PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA
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Jr. College Index No. J 22.04.002

SYLLABUS OF ALL PROGRAMS

(TO INTEGRATES CROSS-CUTTING ISSUES)

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.A. Part-III

English

Syllabus to be implemented from

June, 2020 onwards.

Shivaji University, Kolhapur
B. A.III
Compulsory English
Ability Enhancement Compulsory Course (CBCS)
ENGLISH FOR COMMUNICATION
From June 2020 Onwards

Course Objectives:

- To enhance students' communication skills
- To impart employability skills to students
- To prepare students for competitive examinations
- To enable students to acquire professional skills such as media writing
- To enable students to learn manners and etiquettes required at workplace
- To enhance students' reading comprehension skills
- To create interest in English literature among students
- To inculcate human values and ethics in order to enable students' to become good citizens of the country

Course Outcomes: After the completion of the course, the students will be able to:

- Communicate in English, in oral and written modes, in their day-to-day lives as well as at workplaces.
- Face job interviews confidently and efficiently.
- Acquire soft skills required at workplaces and in real life.
- Learn group behavior and team work.
- Learn to value and respect others' opinions and views and develop democratic attitude.
- Face competitive examinations confidently and efficiently with adequate linguistic confidence.
- Acquire professional skills required in media writing such as writing editorials.
- Learn to appreciate and enjoy reading poetry and prose passages.
- Acquire human values and develop cultured outlook.

SEMESTER V AECC 5

MODULE I

A. Interview Skills
B. The Interview -V.V. John

MODULE II

A. Grammar for Competitive Examinations
B. The Lottery - Shirley Jackson

MODULE III

A. Writing Skills for Competitive Examinations
B. After Twenty Years - O' Henry

MODULE IV

A. I Shall Return To This Bengal - Jibananda Das
B.(i) Song of Youth - A. P. J. Abdul Kalam
(ii) The Orphan Girl - Henry Derezio

***Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR**

SEMESTER VI AECC 6

MODULE V

A. Group Discussion

B. The Lighthouse Keeper of Aspinwall - Henry Sienkiewicz

MODULE VI

A. Note Making and Note Taking

B. Three Questions - Leo Tolstoy

MODULE VII

A. Media Writing

B. Eight Rupees - Murli Das Melwani

MODULE VII

A. The Mystic Drum - Gabriel Okara

B. (i) Two Dead Soldiers- Jean Arasanayagam

(ii) Bora Ring - Judith Wright

***Note: Semester VI: 10 Marks for Internal Evaluation: STUDENTS' GROUP PROJECT**

Division of Teaching Hours 8 Modules x 15 Hours = 120 Hours

Shivaji University, Kolhapur
B. A.III
Compulsory English
Ability Enhancement Compulsory Course (CBCS)
ENGLISH FOR COMMUNICATION

***PATTERN OF QUESTION PAPER* (June 2020 Onwards)**

Semester V (Paper E) **Total Marks: 40**

Q. No	Sub Q.	Type of Question	Based on	Marks
Q. 1	A.	Four multiple choice questions with four alternatives to be set	Prose and Poetry	03
	B.	Answer in one word/phrase/sentence each.	Prose and Poetry	03
	C.	Two different **Vocabulary Exercises** to be set for 1 mark each	Prose and Poetry	02
Q.2	A.	Answer the following questions in 3-4 sentences each. (2 out of 3)	2 on Prose and 1 on Poetry	04
	B.	Write **Short Note** on the following in about 7-8 sentences each. (1 out of 2)	1 on Prose and 1 on Poetry	04
Q.3	--	Questions to be set on **Interview Skills (A or B)**	Module I A	08
Q.4	--	Question to be set on **Grammar for Competitive Examinations (A or B)**	Module II A	08
Q.5	--	Question to set on **Writing Skills for Competitive Examinations(A or B)**	Module III A	08

Semester VI (Paper F) **Total Marks: 40**

Q. No	Sub Q.	Type of Question	Based on	Marks
Q. 1	A.	Four multiple choice questions with four alternatives to be set	Prose and Poetry	03
	B.	Answer in one word/phrase/sentence each.	Prose and Poetry	03
	C.	Two different **Vocabulary Exercises** to be set for 1 mark each.	Prose and Poetry	02
Q.2	A.	Answer the following questions in 3-4 sentences each. (2 out of 3)	2 on Prose and 1 on Poetry	04
	B.	Write **Short Note** on the following in about 7-8 sentences each. (1 out of 2)	1 on Prose and 1 on Poetry	04
Q.3	--	Question to be set on **Group Discussion(A or B)**	Module V A	08
Q.4	--	Question to be set on **Note Making and Note Taking(A or B)**	Module VI A	08
Q.5	--	Question to set on **Media Writing(A or B)**	Module VII A	08

Shivaji University, Kolhapur
B. A. Part III
Special English
INTRODUCTION TO LITERARY CRITICISM (CBCS)
Discipline Specific Elective
Semester V (Paper VII) (DSE- E11) & Semester VI (Paper XII) (DSE- E136)
From June 2020 onwards

Course Objectives:

- To introduce students to the major trends in literary criticism.
- To familiarize students with the major critical concepts.
- To help students to study the original contributions made in the field of literary criticism.
- To acquaint students with the various literary and critical movements.
- To train students to write critical appreciation of poetry.

Course Outcomes:

- Students are able to understand the major trends in criticism.
- Students are able to interpret critical concepts.
- Students are able to study the original contributions to literary criticism.
- Students are acquainted with literary and critical movements.
- Students are able to understand the meaning and appreciate the poems critically.

Semester V(Paper VII) (DSE- E11)	
Module I	**Introduction to Literary Criticism:** 1. Nature of Criticism 2. Function of Criticism
Module II	**Classical Criticism:** 1. The Concept of Tragedy 2. The Ideal Tragic Hero (From **Aristotle's *Poetics***)
Module III	**Neo-classical Criticism:** Dr. Samuel Johnson's *Preface to Shakespeare* (1765)
Module IV	**Literary Terms:** 1. Symbolism 2. Realism 3. Humour 4. Paradox
Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR	
Semester VI (Paper XII) (DSE- E136)	
Module V	**Romantic Criticism:** William Wordsworth's Theory of Poetic Diction (From **William Wordsworth's *Preface to Lyrical Ballads***)
Module VI	**Victorian Criticism:** Matthew Arnold's Touchstone Method (From **Matthew Arnold's *The Study of Poetry***)
Module VII	**Modern Criticism:**

	T S Eliot's *Tradition and Individual Talent* (1919)
Module VIII	**Practical Criticism:** Poetry
Note: Semester VI: 10 Marks for Internal Evaluation: STUDENTS' GROUP PROJECT	

Division of Teaching Hours 8 Modules x 15 Hours = 120 Hours

Recommended Reading: Semester V and Semester VI

Abrams, M. H. *A Glossary of Literary Terms* (8th Edition). New Delhi: Akash Press, 2007.

Alexander, L. G. *Prose and Poetry Appreciation for Overseas Students*. London: Longman Green and Comp. Ltd., 1966.

Allex,Latter & Rachel, Teubner. *William Wordsworth's Preface to the Lyrical Ballads*. London: Macat Library, 2018.

Bliss, Perry. *A Study of Poetry*. Kindle Edition, 22 Feb., 2018.

Butcher, S. C. *Poetics.* New Delhi: Kalyani Publishers, 1978.

Bywater, Ingram. *Aristotle's Poetics*. Oxford: Atthe Clarendon Press, 1976.

Cuddon, J. A. *The Penguin Dictionary of Literary Terms and Literary Theory* (4th Edition). London and New York: Penguin, 2000.

Davis, Joseph, K. Pathea, R Broughton and Michael Wood. *Literature*. Illinois: Scott, Foresman and Comp. Glenviews, 1977.

Eliot, T.S. *The Sacred Wood – Essays on Poetry and Criticism*. (Seventh edition),1950.

Enright, D.J. & Ernst De Chickera. *English Critical Texts: 16th Century to 20th Century*.OUP, 1968.

Fyfe, Hamilton. *Aristotle's Art of Poetry*. London: OUP, 1940.

Gray, Martin. *A Dictionary of Literary Terms* (York Handbooks), Pearson Education, 2009.

Hudson, W. H. *An Introduction to the Study of Literature*. New Delhi: Atlantic, 2007.

Richards, I. A. *Practical Criticism: A Study of Literary Judgment.* New Delhi: UBS Publishers, 2002.

Scott James, R. A. *The Making of Literature*. Mumbai: Allied Publishers Pvt. Ltd., 1963.

Sherbo, Arthur(ed.). *The Yale edition of the works of Samuel Johnson*.Vol.7. New haven: Yale University Press,1968.

S. Ramaswami & V. S. Seturaman (ed.) *The English Critical Tradition: An Anthology of English Literary Criticism*, Volume 1,. New Delhi: Macmillan Publishers India Ltd. 1977/2009.

Seturaman, V. S., C. T. Indra and T. Siraman. *Practical Criticism*. Madras: Macmillan India Ltd., 1995.

Waugh, Patricia (ed.) *Literary Theory and Criticism: An Oxford Guide*. New York: Oxford University Press, 2006.

Wimsatt, W. K. and Cleanth Brooks. *Literary Criticism: A Short History*. New Delhi: Oxford and IBH Publishing Company Pvt. Ltd., 1957.

Wellek, Rene and Austin Warren. *Theory of Literature.* London: Jonathan Cape, 1949.

Shivaji University, Kolhapur
B. A. Part III
Special English
INTRODUCTION TO LITERARY CRITICISM (CBCS)
Discipline Specific Elective
Semester V (Paper VII) (DSE- E11)
PATTERN OF QUESTION PAPER
From June 2020 onwards

Total Marks: 40

Q1. Objective type Question
A) Multiple choice questions with four alternatives. 4
B) Answer the following questions in one word/phrase/sentence each. 4
(Q1 A and B to be set on topics covering **Module I to IV**)
(At least one item to be set on each Module)
Q2. Answer the questions in about 250-300 words each.
(A or B to be set on **Module I, II, and III**) 10
Q3. Answer the questions in about 250-300 words each.
(A or B to be set on **Module I, II, and III**) 10
Q3 A. Write short notes on the following: (Any 3 out of 5) 12
(3 to be set on **Module IV** and 2 on **Module I, II, III** not covered in question 2 and 3)

INTRODUCTION TO LITERARY CRITICISM (CBCS)
Semester VI (Paper XII) (DSE- E136)
PATTERN OF QUESTION PAPER
From June 2020 onwards

Total Marks: 40

Q1. Objective type Question
A) Multiple choice questions with four alternatives. 4
B) Answer the following questions in one word/phrase/sentence each. 4
(Q1. A and B to be set on topics covering **Module V to VII**)
(At least one item to be set on each Module)
. Q2. Answer in the questions 250-300 words each. 10
(A or B to be set on **Module V, VI, and VII**)
Q3. Answer the questions in about 250-300 words each. 10
(A or B to be set on **Module V, VI, and VII**)
Q4. Write critical appreciation of the given poem. 12
(with the help of points such as title, theme, content, devices, message, style, rhyme-scheme, diction, type of poem, tone, stanza-pattern, metre, etc. (**Based on Module VIII**)

EQUIVALENCE

Old Title	New Title
LITERARY CRITICISM AND LITERARY APPRECIATION	**INTRODUCTION TO LITERARY CRITICISM**

Shivaji University, Kolhapur

B. A.III

English Special

ENGLISH POETRY (CBCS)

Discipline Specific Elective

Semester V (Paper VIII) (DSE – E12) and Semester VI (Paper XIII) (DSE – E137)

(From June 2020 Onwards)

Course Objectives:

- To make students engaged and curious readers of poetry
- To introduce students to poetry from various cultures and traditions
- To make students understand that poetry gives intellectual, moral and linguistic pleasures
- To make students hear and read poems aloud and to memorize lines

Course Outcomes:

- Students will be able to trace the development of the poetry in English from the days of Shakespeare to the contemporary India.
- Students will be able to appreciate and analyze the poems properly.
- Students will have a fairly comprehensive view of the Western and Eastern poetic tradition and they will be able to relate it to various literary movements.
- Students will have an insight into poetry and they will be able to make a lively and interesting reading.

SEMESTER V (Paper VIII) (DSE – E12)			
MODULE NO.		**TITLE OF THE MODULE**	**NAME OF THE POET**
I.		**Topics For Background Readings:**	
	1.	Elizabethan Poetry	
	2.	Metaphysical Poetry	
	3.	Romantic Poetry	
II. Selections from Elizabethan Poetry:			
	1.	Sweet Warrior (Sonnet 57)	Edmund Spenser
	2.	Sonnet To The Moon	Sir Philip Sydney
	3.	Full Many A Glorious Morning… (Sonnet 33)	William Shakespeare
III. Selections from Metaphysical Poetry:			
	1.	The Sun Rising	John Donne
	2.	The Retreat	Henry Vaugham
	3.	The Collar	George Herbert
IV. Selections from Romantic Poetry:			
	1.	My Heart Leaps Up	William Wordsworth
	2.	The Rime of the Ancient Mariner	S. T. Coleridge
	3.	Ozymandias	P. B. Shelley
	4.	When We Two Parted	Lord Byron
***Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR**			

SEMESTER VI (Paper XIII) (DSE – E137)			
MODULE NO.		**TITLE OF THE MODULE**	**NAME OF THE POET**
V. Topics For Background Readings:			
	1.	Victorian Poetry	
	2.	Modern English Poetry	
	3.	Modern Indian English Poetry	
VI. Selections from Victorian Poetry:			
	1.	The Lady Of Shallot	Alfred Lord Tennyson
	2.	My Last Duchess	Robert Browning
	3.	Love Came Down At Christmas	Christiana Rossetti
VII. Selections from Modern English Poetry:			
	1.	No Second Troy	W. B. Yeats
	2.	The Hollow Men	T. S. Eliot
	3.	Tonight I Can Write	Pablo Neruda
VIII. Selections from Modern Indian English Poetry:			
	1.	The Professor	Nissim Ezekiel
	2.	A Hot Noon in Malabar	Kamala Das
	3.	A River	A. K. Ramanujan
	4.	A Kind of Happiness	Jayanta Mahapatra
***Note: Semester VI: 10 Marks for internal Evaluation: STUDENTS' GROUP PROJECT**			

Division of Teaching Hours: 8 Modules x 15 Hours each= 120 Hours

Recommended Reading: Semester V and Semester VI

Appelbaum, Stanley. *English Romantic Poetry: An anthology*. Dover Publications Inc. 1996.
Burrow, Colin. *Metaphysical Poetry.* Penguin Classics. 2006.
Chaudhuri, Roshinka. *A History of Indian Poetry in English.* Cambridge University press. 2016.
Chaudhuri, Sukanta. *Modern Indian Literature*, New Delhi: OUP, 2004.
Courthope, W.J. *A History of English Poetry*. Vol.I Macmillan, 1995.
Craig, W.J. (ed.). *The Complete works of William Shakespeare*. Oxford: OUP., 1905.
Fenton,James. *An Introduction to English Poetry*. New York: Farrar, Strauss and Giroux, 2004.
Gardner, Martin, *The Annotated Ancient Mariner,* New York:Clarkson Potter,1965.
Harold Bloom and Lionel Trilling. (ed.) *Romantic Prose and Poetry,* New York: OUP, 1973.
Mitra, Zinia(ed.). Indian *Poetry in English:Critical Essays*. New Delhi: PHI Learning Pvt Ltd.,2012.
Naik, M.K. *A History of Indian English Literature*. Delhi, 1982.
Narasimhaiah, C.D., (ed.) *An Anthology of Commonwealth Poetry,*Delhi: Macmillan, 1990.
Negri,Paul. *English Victorian poetry.* Dover Publications Inc. 1998
Ramanan, M.G. *Modern English Poetry: A Selection*. New Delhi:Orient Blackswan,2013.
Samuel Taylor Coleridge, *Biographia Literaria,* ed. George Watson. London: Everyman, 1993.

Shivaji University, Kolhapur

B. A.III

English Special

ENGLISH POETRY (CBCS)

Discipline Specific Elective

Semester V (Paper VIII) (DSE – E12)

PATTERN OF QUESTION PAPER **From June 2020 Onwards**

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)

B) Answer the following questions in one word/ phrase/sentence each. (4)

(Q. 1 A and B to be set on **Module II, III and IV**)

Q.2. Answer the following questions in about 250-300 words. (10)

(A or B to be set on **Module I**)

Q.3. Answer the following questions in about 250-300 words. (10)

(A or B to be set on **Module II, III or IV**)

Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)

(Two be set on **Module I** and two be on **Module II, III or IV**)

ENGLISH POETRY (CBCS)

Discipline Specific Elective

Semester VI (Paper XIII) (DSE – E137)

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)

B) Answer the following questions in one word/ phrase/sentence each. (4)

(Q. 1 A and B to be set on **Module VI, VII and VIII**)

Q.2. Answer the following questions in about 250-300 words. (10)

(A or B to be set on **Module V**)

Q.3. Answer the following questions in about 250-300 words. (10)

(A or B to be set on **VI, VII or VIII**)

Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)

(Two be set on **Module V** and two be on **Module VI, VII or VIII**)

EQUIVALENCE

Old Title	New Title
Understanding Poetry	**English Poetry**

Shivaji University, Kolhapur
B. A. Part III
Special English

ENGLISH DRAMA (CBCS)

Discipline Specific Elective
Semester V (Paper IX) ((DSE – E13) & Semester VI (Paper XIV) (DSE – E138)
From June 2020 onwards

Course Objectives:

- To make students understand different forms of drama
- To enable students to relate drama to their ideological or socio-political contexts
- To help students improve their creative and imaginative faculties through the reading of drama
- To enable students to know about various aspects of the drama

Course Outcomes:

- Students are able to understand different forms of drama.
- Students are able to relate drama to their ideological or socio-political contexts.
- Students are able to improve their creative and imaginative faculties through the reading of drama.
- Students are able to know about various aspects of the drama.

Semester V (Paper IX) ((DSE – E13)

MODULE I
Definition and Elements of Drama
MODULE II
Tragedy as a Form
MODULE III
The Importance of Being Earnest - Oscar Wilde
MODULE IV
Hamlet – William Shakespeare

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods

Prescribed Texts:

Wilde, Oscar. *The Importance of Being Earnest.* New Delhi: General Press, 2018.
Shakespeare, William. *Hamlet*. Penguin Books, 1980.

***Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR**

Semester VI (Paper XIV) (DSE – E138)

MODULE V
Types of Drama
MODULE VI
Comedy as a Form
MODULE VII
Nagmandala – Girish Karnad
MODULE VIII
Harvest – Manjula Padmanabhan

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods
Prescribed Texts:
Karnad, Girish. *Nagmandala.* Oxford University Press, 1990.
Padmanabhan, Manjula. *Harvest.* Delhi: Penguin, 1997.

***Note: Semester VI: 10 Marks for Internal Evaluation: STUDENTS' GROUP PROJECT**

Recommended Reading: Semester V and Semester VI

Aasand, Hardin L. *Stage Directions in Hamlet: New Essays and New Directions*. NJ: Fairleigh Dickinson University Press, 2003.
Babu, Munchi Sarat. *Indian Drama.* New delhi: Prestige Books, 1997.
Bhatt, S.K. *Indian English Drama: A Critical Study.* New Delhi: Sterling Publishers Pvt. Ltd., 1987.
Bloom, Harold. *The Importance of Being Earnest: Modern Critical Interpretations.* Chelsea House Pub., 1988.
Driver, T.F. *Drama and History*. New York: Columbia University Press, 1967.
Ddiya, Jaydipsinh. (ed.) *The Plays of Girish Karnad: Critical Perspectives*. New Delhi: Prestige Books, 1999.
Gargy, Balwant. *Folk Theatre of India*. Culcutta: Rupa & Co., 1991.
Gillespie, Michael Patrick. *The Importance of Being Earnest.*(Norton Critical Editions). W.W.Norton and Co., 2006.
Hibbard, G.R. (ed.) *Hamlet*. OUP: 1988.
Hirsh, James. Shakespeare and the History of Soliloquies. NJ: Farleigh Dickinson University Press, 2003.
Joshi, R.G. *Myth in Indian Drama.* Delhi: B.R. Publishing Corporation, 1984.
Kumar, Nand. *Indian English Drama: A Study in Myths*. New Delhi: Sarup and sons, 2003.
MacCary, Thomas. *Hamlet: A Guide to the Play*. London: Greenwood Press, 1988.
Martin, James. *The Meaning of the 21st Century.* New York: Riverhead Penguin, 2007.
Priestley, J.B. *The Art of the Dramatist*. London: Heinemann, 1957.
Rajkumar, K. *Socio-Political Realities in Harvest*. Purna:RHI,Mahmul, 2012.
Robertson, Ronald. *Globalization: Social Theory and Global Culture*. London: Sage, 1992.
Sen,B. *The Importance of Being Earnest.* Unique Publishers,2015.
Styan, J.L. *The Elements of Drama*. Cambridge: Cambridge University Press, 1967.
Vaidyanathan, G. *The Importance of Being Earnest.* New Delhi: Narain Publications, 2018.
Worthen, W.B. (ed.). *Anthology of Drama* (Fourth edition). London: Cengage Learning EMEA, 2004.

Shivaji University, Kolhapur
B. A. Part III
Special English

ENGLISH DRAMA (CBCS)

Discipline Specific Elective
Semester V (Paper IX) ((DSE – E13)

PATTERN OF QUESTION PAPER **(From June 2020 onwards)**

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)
B) Answer the following questions in one word/ phrase/sentence each. (4)
(Q. 1 A and B to be set on **Module III and IV**)
Q.2. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module I and II**)
Q.3. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module III and IV**)
Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)
(Two be set on **Module I and II** and two be on **Module III and IV**)

ENGLISH DRAMA (CBCS)

Discipline Specific Elective
Semester VI (Paper XIV) (DSE – E138)

PATTERN OF QUESTION PAPER **(From June 2020 onwards)**

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)
B) Answer the following questions in one word/ phrase/sentence each. (4)
(Q. 1 A and B to be set on **Module VII and VIII**)
Q.2. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module V and VI**)
Q.3. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **VII and VIII**)
Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)
(Two be set on **Module V and VI** and two be on **Module VII and VIII**)

EQUIVALENCE

Old Title	New Title
Understanding Drama	**English Drama**

Shivaji University, Kolhapur
B. A. Part III Special English
ENGLISH NOVEL (CBCS)
Discipline Specific Elective
Semester V (Paper X) ((DSE – E14) & Semester VI (Paper XV) (DSE – E139)
From June 2020 onwards

Course Objectives:

- To make students understand different forms of novel.
- To enable students to relate novels to their ideological or socio-political contexts.
- To help students to improve their creative and imaginative faculties through the reading of novels.
- To enable students to know about various aspects of the novel.

Course Outcomes:

- Students are able to understand different forms of novel.
- Students are able to relate novels to their ideological or socio-political contexts.
- Students are able to improve their creative and imaginative faculties through the reading of novels.
- Students are able to know about various aspects of the novel.

SEMESTER V (Paper X) (DSE – E14)

MODULE I
Rise and Development of the Novel
MODULE II
Aspects of the Novel
MODULE III
The Old Man and the Sea **–** Ernest Hemingway
MODULE IV
The Power and the Glory – Graham Greene

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods

Prescribed Texts:

Hemingway, Ernest. *The Old Man and the Sea.* New York: Simon & Schuster, 1952.
Greene, Graham. *The Power and the Glory.* New York: Time Reading Special Edition. 1940, 1962.

***Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR**

SEMESTER VI (Paper XV) (DSE – E139)

MODULE V
Historical and Psychological Novel
MODULE VI
Satirical Novel and Epistolary novel
MODULE VII
Animal Farm: A Fairy Tale - George Orwell
MODULE VIII
The Guide - R. K. Narayan

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods

Prescribed Texts:

Orwell, George. *Animal Farm: A Fairy Tale*. New York: Signet Classic, 1996.

Narayan, R. K. *The Guide*. US: Viking Press, 1958.

***Note: Semester VI: 10 Marks for internal Evaluation: STUDENTS' GROUP PROJECT**

Suggested Reading: for Semester V and Semester VI

Auden,W.H. *The Enchafed Flood: The Romantic Econography of the Sea*. New York: Random, 1950.

Abrams, M. H. *A Glossary of Literary Terms* (8th Edition) New Delhi, Akash Press – 2007

Bender, Bert. *Sea Brothers: The Tradition of American Sea Fiction from Moby-Dick to the Present.* Philadelphia: University of Pennsylvania Press, 1988.

Bloom, Harold. *Ernest Hemingway's The Old Man and the Sea: Modern Critical Interpretations*.Cheasea House Publications, 2008.

Bradbury, Malcolm. *The Novel Today*. Glasgow: F. C. Paperbacks, 1982.

Brooks and Warren. *Understanding Fiction*. Prentice Hall, 1959.

Dedria, Bryfonski & Hall, Sharon. *Twentieth Century Literary Criticism: George Orwell.* Michigan: Book Tower, 1979.

Edel, Leon. *The Psychological Novel: 1900-1950*. Ludhiana: Kalyani, 1997.

Forster, E. M. *Aspects of Novel*. London. 1949.

Hynes, Samuel, ed. *Graham Greene: A Collection of Critical Essays.* New Jersy: Prentice Hall.Inc. 1973.

Jones, David P. *Graham Greene.* Edinburgh: Oliver and Boyd. 1963.

Kerala, Calling. *From Eric Blair to George Orwell, Biography.* London: Sage, 2003.

Kermode, Frank. *Sense of an Ending*. OUP, 1967.

Lall, Pamji. *Graham Greene: The Power and the Glory: A Critical Study.* New Delhi: Roma Brothers India Pvt. Ltd. 2005.

Lewis,R.w.B. & Conn, Petr J.ed. *Graham Greene: The Power and the Glory: Text and Criticism.* New York: The Viking Press, 1970.

Lubbock, Percy. *The Craft of Fiction*. London: Jonahan Cape, 1965.

Matz, Jesse. *The Modern Novel*: A Short Introduction. Oxford Blackwell, 2004.

Meyers, Jeffery. *George Orwell: The Critical Heritage*. Routledge, 1997.

Rimmon-Kennan, Shlomith. *Narrative Fiction*. London and New York: Routledge, 2005.

Roy, Ruby. *A Critical Study of R.K. Narayan's Swami and Friends and The Guide*. Delhi: Kalpaz Publications, 2015.

Rees, R. J. *Introduction to English Literature*. London: Macmillan, 1966/1968.

Singh, P.K. *The Novels of R. K. Narayan :A Critical Study.* New Delhi: Atlantic Publishers.

Stade, George, ed. *Six Contemporary British Novelists.* New York: Colombia University Press, 1976.

Subramaniam, K.S. *Graham Greene: A Study of Graham Greene's Works.* Bareilly: Prakash Book Depot, 1978.

Vinson, James, ed. *Contemporary Novelists*. London: St. James Press, 1972.

Watt, Ian.. *Rise of the Novel*. London: Penguin, 1957.

Woodcock, George. *20th Century Fiction*. London: The Macmillan Press Ltd., 1983.

Shivaji University, Kolhapur
B. A. Part III
Special English
ENGLISH NOVEL (CBCS)
From June 2020 onwards
PATTERN OF QUESTION PAPER FOR
(Semester V Paper X DSE – E14)

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)
B) Answer the following questions in one word/ phrase/sentence each. (4)
(Q. 1 A and B to be set on **Module III and IV**)
Q.2. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module I and II**)
Q.3. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module III and IV**)
Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)
(Two be set on **Module I and II** and two be on **Module III and IV**)

PATTERN OF QUESTION PAPER FOR
(Semester VI Paper XV DSE – E139)

Marks: 40

Q1. A) Four multiple choice questions with four alternatives (4)
B) Answer the following questions in one word/ phrase/sentence each. (4)
(Q. 1 A and B to be set on **Module VII and VIII**)
Q.2. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **Module V and VI**)
Q.3. Answer the following questions in about 250-300 words. (10)
(A or B to be set on **VII and VIII**)
Q.4. Write Short Notes in about 100-150 words each (3out of 4) (12)
(Two be set on **Module V and VI** and two be on **Module VII and VIII**)

EQUIVALENCE

Old Title	New Title
Understanding Novel	**English Novel**

Shivaji University, Kolhapur
B.A. III
English Special
LANGUAGE AND LINGUISTICS (CBCS)
Discipline Specific Elective
Semester V –Paper XI (DSE - E15) & Semester VI – Paper XVI (DSE - E140)
From June 2020 onwards

LANGUAGE AND LINGUISTICS
Semester V –Paper XI (DSE -E 15)

Course Objectives:

- To orient students to the concept of communication.
- To make the students familiar with varieties of the English language.
- To acquaint students with different levels of the study of language.
- To study the basic units of grammar.

Course Outcomes:

- Students know the concept of communication.
- Students are familiar with varieties of the English language.
- Students know different levels of study of the English language.
- Students know basic units of grammar.

Semester V –Paper XI DSE - E 15

MODULE I

Language and Communication

i. Definitions and characteristics of language

ii. Human and Animal communication systems (Special reference to Hockett's 7 characteristics of language)

MODULE II

Phonology

MODULE III

Morphology

MODULE IV

Words

***Note: Semester V: 10 Marks for Internal Evaluation: STUDENTS' SEMINAR**

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods

Reference Books :

Balasubramaniam, T. *A Textbook of English Phonetics for Indian Students*, Delhi: McMillan, 1981.

Bansal, R.K. & Harrison, J.B., *Spoken English,* Hyderabad: Orient Longman, 2000.

Hockett, C.F., *A Course in Modern Linguistics*, MacMillan, . 1963.

Hudson, Richard, *Sociolinguistics,*Cambridge: Cambridge University Press, 1996.

Jones, Daniel, *English Pronouncing Dictionary,* ELBS Edition.

Leech et al, *English Grammar Today: a New Introduction*, Hyderabad: McMillan, 2010.

Lyons, John, *Language and Linguistics: An Introduction,* Cambridge: Cambridge University Press, 1981.

Quirk, R., Greenbaum, S., Leech, G. &Svartvik, J., *A Comprehensive Grammar of English*, New Delhi: Pearson, 2010.

Quirk, Randolph &Greenbaum, Sidney, *A University Grammar of English*, New Delhi: Pearson, 2015.

Radford, A., Atkinson, M., Britain, D., Clahsen, H. & Spencer, A., *Linguistics: An Introduction*, Cambridge: Cambridge University Press, 1999.

Trask, R. L, *Key Concepts in Language and Linguistics*, London: Routledge, 1999.

Verma, S.K. &Krishnaswamy, N., *Modern Linguistics,* Hyderabad: Oxford University Press, 1989.

Velayudhan, S. &Mohanan, K. P., *An Introduction to the Phonetics and Structure of English*, New Delhi: Somaiya Pub. Pvt. Ltd., 1977

QUESTION PAPER PATTERN **From June 2020 onwards**

LANGUAGE AND LINGUISTICS (CBCS)
Discipline Specific Elective
Semester V –Paper XI (DSE - E15)

Q. 1	Objective type	
	a) Three term labels	(3)
	b) Transcription of words with primary stress	(3)
	c) Conversion of the given transcriptions into the conventional spellings	(2)
Q.2	a) Write short notes (2/3) (to be set on **Module I**)	(10)
	b) Morphological Analysis giving labels (2/4)	(4)
Q.3	a) Identification of word formation/morphological processes	(4)
	d) Identification of word classes	(4)
Q.4.	Write short notes (2/4) (2 each to be set on **Module II & IV)**	(10)

Shivaji University, Kolhapur
B.A. III
English Special
LANGUAGE AND LINGUISTICS (CBCS)
Discipline Specific Elective
Semester VI – Paper XVI (DSE - E140)
From June 2020 onwards

Course Objectives:

- To acquaint students with structures and functions of words and phrases.
- To enable students to know and identify elements and types of clauses.
- To study Subordination and Coordination.
- To study different ways of structuring clauses.

Course Outcomes:

- Students know words and phrases.
- Students know and identify elements and types of clauses.
- Students know types of sentences.
- Students know the different ways of structuring clauses

.

Semester VI – Paper XVI (DSE - E140)

MODULE V

Phrases

MODULE VI

Clauses

MODULE VII

Subordination and Coordination

MODULE VIII

Basic and Derived Structures

i) Inversion / Fronting
ii. Negation
iii. Interrogation
iv. Exclamation
v. Omission of Certain Elements
(Relative Pronouns, Comparative Clauses, Tag Questions)
vi. Passivisation
vii. Subject Raising
viii. Style Transformation

Note: Semester VI: 10 Marks for Internal Evaluation: STUDENTS' GROUP PROJECT

Division of Teaching Hours: 4 Modules X 15 Periods = 60 Periods

Reference Books :

Crystal, David, *Linguistics*, London: Penguin Books Ltd., 1974.

Hockett, C.F., *A Course in Modern Linguistics*, MacMillan, 1963.

Hudson, Richard, *Sociolinguistics,*Cambridge: Cambridge University Press, 1996.

Leech et al, *English Grammar Today: A New Introduction*, Hyderabad: McMillan, 2010.

Lyons, John, *Language and Linguistics: An Introduction,* Cambridge: Cambridge University Press, 1981.

Palmer, F. G., *Grammar*, London: Penguin Books Ltd., 1973.

Quirk, R., Greenbaum, S., Leech, G. &Svartvik, J., *A Comprehensive Grammar of English*, New Delhi: Pearson, 2010.

Quirk, Randolph &Greenbaum, Sidney, *A University Grammar of English*, New Delhi: Pearson, 2015.

Radford, A., Atkinson, M., Britain, D., Clahsen, H. & Spencer, A., *Linguistics: An Introduction*, Cambridge: Cambridge University Press,1999.

Verma, S.K. &Krishnaswamy, N., *Modern Linguistics,* Hyderabad: Oxford University Press, 1989.

QUESTION PAPER PATTERN

From June 2020 onwards

LANGUAGE AND LINGUISTICS (CBCS)
Discipline Specific Elective
Semester VI – Paper XVI (DSE - E140)

Q. 1	a) Identify elements of clause (S, P, O, C, A)	(4/6)	(4)
	b)Transformation of sentence (to be set on **Module VIII**)	(4/6)	(4)
Q.2	a) Write short notes. (2 each to be set on **Module V & VI**)	(2/4)	(10)
	b) Give form and function labels to the underlined phrases.	(4/6)	(4)
Q.3	a) Write short notes (To be set on **Module VII**)	(2/3)	(10)
	b) Identify the subordinate clauses and state their form and function.	(4/6)	(4)
Q. 4.	Do as directed. (to be set on **Module VIII**)	(4/6)	(4)

EQUIVALENCE

OLD TITLE	NEW TITLE
THE STRUCTURE AND FUNCTION OF MODERN ENGLISH	LANGUAGE AND LINGUISTICS

B. A. Part II
ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)
(CBCS)

ENGLISH FOR COMMUNICATION

(Compulsory English)
(June 2019 Onwards)

Course Objectives:

- To enable the students to develop communication skills in English, both oral and written.
- To equip the students with the language skills for use in their personal, academic and professional lives.
- To develop the students essential employability skills.
- To help the students to enter the job market with confidence and the ability to work effectively.
- To help the students to learn and practice both language and soft skills.
- To encourage the active involvement of the students in learning process.
- To enable the students to cultivate a broad, human and cultured outlook.

CONTENTS

Semester III

Module I
A) Oral Skills
B) A Real Good Smile – **Bill Naughton**
C) Mending Wall – **Robert Frost**
Module II
A) Conversation Skills
B) The Highway – **Ray Bradbury**
Module III
A) Developing Writing Skills
B) Whitewashing the Fence – **Mark Twain**
Module IV
A) Father Returning Home –**Dilip Chitre**
B) There is a Garden in Her Face – **Thomas Campion**

Semester IV

Module V
A) E-Communication
B) Preparation for England – **M.K. Gandhi**
Module VI
A) Information Transfer and Interpretation of Data
B) The Selfish Giant – **Oscar Wilde**
C) Auto Wreck – **Karl Shapiro**
Module VII
A) English for Banking and Industries
B) The Journey – **Mary Oliver**
Module VIII
A) An Old Man's Wisdom – **Sudha Murty**
B) My Soul has a Hat – **Mário de Andrade**

- **PATTERN OF QUESTION PAPER**

B.A. II

ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)

ENGLISH FOR COMMUNICATION

(Compulsory English)

PATTERN OF QUESTION PAPER (June 2019 Onwards)

Semester III (Paper C) **Total Marks: 50**

Q. No	Sub Q.	Type of Question	Based on	Marks
Q. 1	A.	Four multiple choice questions with four alternatives to be set	Prose and Poetry	04
	B.	Answer in one word/phrase/sentence each.	Prose and Poetry	04
Q.2	A.	Answer the following questions in 3-4 sentences each. (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write **Short Notes** on the following in about 7-8 sentences each. (2 out of 3)	1 on Prose and 2 on Poetry	08
	C.	Two different **Vocabulary Exercises** to be set for 1 mark each	Prose and Poetry	02
Q.3	A.	Question to be set on ORAL SKILLS	Module I A	04
	B.	Question to be set on ORAL SKILLS	Module I A	05
Q.4	A.	Question to be set on CONVERSATION SKILLS	Module II A	04
	B.	Question to be set on CONVERSATION SKILLS	Module II A	04
Q.5	A.	Question to set on DEVELOPING WRITING SKILLS	Module III A	05
	B.	Question to set on DEVELOPING WRITING SKILLS	Module III A	04

Semester IV (Paper D) **Total Marks: 50**

Q. No	Sub Q.	Type of Question	Based on	Marks
Q. 1	A.	Four multiple choice questions with four alternatives to be set	Prose and Poetry	04
	B.	Answer in one word/phrase/sentence each.	Prose and Poetry	04
Q.2	A.	Answer the following questions in 3-4 sentences each. (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write **Short Notes** on the following in about 7-8 sentences each. (2 out of 3)	1 on Prose and 2 on Poetry	08
	C.	Two different **Vocabulary Exercises** to be set for 1 mark each.	Prose and Poetry	02
Q.3	A.	Question to be set on E-COMMUNICATION	Module V A	05
	B.	Question to be set on E-COMMUNICATION	Module V A	04
Q.4	A.	Question to be set on INFORMATION TRANSFER AND INTERPRETATION OF DATA	Module VI A	04
	B.	Question to be set on INFORMATION TRANSFER AND INTERPRETATION OF DATA	Module VI A	04
Q.5	A.	Question to set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	05
	B.	Question to set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	04

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B. A. PART II
LINGUISTICS (I.D.S)
(Paper I) (Semester III)
LANGUAGE AND LINGUISTICS (CBCS)

Detailed Syllabi (June 2019 Onwards)

Course Objectives:

- To acquaint the students with Language and Linguistics in general.
- To acquaint the students with Phonetics and Phonology.
- To acquaint the students with Morphology and Syntax.
- To acquaint the students with the concepts of Semantics and Pragmatics.

Module: I Introduction to Language

I) Definitions
II) Characteristics of Language
III) Difference between Human and Animal Communication System

Module: II Introduction to Linguistics

I) What is Linguistics?
II) Linguistics as a Science
III) Diachronic and Synchronic Linguistics
IV) The Concepts of 'Signifier' and 'Signified'

Module: III Phonetics

I) Speech Mechanism:

i) Organs of Speech: lips, teeth, tongue, palate (the roof of the mouth), uvula, and vocal-cords etc.
ii) Description of English Consonants and Vowels with three-term labels
iii) Active and Passive Articulators

II) Phonetics:

i) Difference between Speech Sounds and Letters
ii) What is Phonetics?
iii) Branches of Phonetics: The Articulatory Phonetics, Acoustic Phonetics and Auditory Phonetics.
iv) Phonetic Transcription of Simple Words

Module: IV Phonology

I) Difference between Phonetics and Phonology
II) Phonemes and Allophones
III) Minimal Pairs,

Reference Books:

Gleason, H.A. *An Introduction to Descriptive Linguistics*. Amerind Publishing Co. (Chapter 1). 1961.

Langacker, R.W. *Language and its Structure*.New York: Harcourt Brace Jovanovich. Inc.1973.

Hockett, C.F. *A Course in Modern Linguistics*. Oxford & IBH Publishing Company (chapter 64). 1958.

Robins, R.H. *General Linguistics*: *An Introductory Survey*. Longman. 1964.

Verma, S.K. and Krishnaswamy, N. *Modern Linguistics: An Introduction to Modern Linguistics*. Oxford University Press. 1989.

Velayudhan, S. & Mohanan, K.P. *An Introduction to the Phonetics and Structure of English*. Somaiya Publications Pvt. Ltd. New Delhi. 1977.

Bansal, R.K. & Harrison, J.B. *Spoken English for India*. Orient Longman. 1972.

Sethi. J. & Dhamija, P.V. *A Course in Phonetics and Spoken English.* Prentice Hall of India, New Delhi. 1989.

Balasubramanian, T. *A Textbook of English Phonetics for Indian Students*. Macmillan. 1981.

Hornby, A.S. *Oxford Advanced Learner's Dictionary of Current English*. 1974.

Varshney, R.L... *An Introductory Textbook of Linguistics and Phonetics*. Students store, Bareilly. 1986.

B. A. PART II
LINGUISTICS (I.D.S) (Paper I) (Semester III)
LANGUAGE AND LINGUISTICS (CBCS)

QUESTION PAPER PATTERN **June 2019 Onwards**

Total Marks: 50

Q. 1. Five multiple choice questions with four alternatives to be set on all modules [5]
Q. 2. Short notes in about 5 - 6 sentences each: (5 out of 7) [15]
(On Module 1 & 2)
Q. 3. A) Short Answer type questions in about 4 - 5 sentences each: (5 out of 7) [15]

(On Module 3& 4)
B) Description of English phonemes/ speech sounds with three-term labels: [5]

(5 out of 7)

Q. 4. A) Conventional spellings of the transcribed words: (5 out of 7) [5]

B) Identification of the different phonemes from the minimal pairs given [5]
(5 out of 7)

B. A. PART II
LINGUISTICS (I.D.S)
(Paper II) (Semester IV)
LANGUAGE AND LINGUISTICS (CBCS)

Detailed Syllabi (June 2019 Onwards)

Module: I Morphology

I) The Concept of Morpheme
II) Types of Morpheme
III) Allomorphs
IV) Morphological Analysis
V) Morphological Processes: Affixation, Conversion, Compounding, Reduplication, Blending, Clipping etc.

Module: II Syntax

I) What is Syntax?
II) Elements of Clause [SPOCA]
III) Basic Clause Patterns
IV) Simple Sentences and Complex Sentences
V) Immediate Constituent Analysis [IC Analysis]

Module: III Semantics

I) What is Semantics?
II) Lexical Relations**:** Synonymy, Antonymy, Polysemy, Homonymy, Hyponymy and Collocation

Module: IV Pragmatics

I) What is Pragmatics**?**
II) Difference between Semantics and Pragmatics
III) Deixis: Person, Place, Time, Discourse and Social
IV) Adjacency Pairs
V) Cooperative Principle (CP)

Reference Books:

Leech, G.N. *English Grammar for Today: An Introduction*. The Macmillan: London. 1984.

Hockett Charles, *A Course in Modern Linguistics*. Oxford & IBH Publishing Company, Bombay. 1970.

Palmer, F.R. *Semantics.* Cambridge University Press. 1981.

Leech, G.N. *Semantics.* Penguin Books, London. 1981.

Levinson S.C. *Pragmatics*. Cambridge: CUP. 1983.

Leech, G.N. *Principles of Pragmatics*. Longman Group Ltd, London. 1986.

Yule, George. *Pragmatics*. Oxford University Press. 2004.

Onions, C.T. & Miller B.D.H. *Modern English Syntax*. Rutledge, London. 1971.

Jupp, T.C. & Milne J.L. *English Sentence Structure*. The English Book Society and Heinemann Educational Books. 1968.

B. A. PART II LINGUISTICS (I.D.S)
(Paper II) (Semester IV)
LANGUAGE AND LINGUISTICS (CBCS)

QUESTION PAPER PATTERN
June 2019 Onwards

Total Marks: 50

Q. 1. Five multiple choice questions with four alternatives to be set on all modules [5]

Q. 2. A) Short notes in about 5 - 6 sentences each: (5 out of 7) [15]
(On Module I & II)

B) Morphological analysis of the words using tree diagrams.
(5 out of 7) [5]

Q. 3. A) Short Answer type questions in about 4 - 5 sentences each (5 out of 7)
(On Module III & IV) [15]

B) I C Analysis of the sentences (5 out of 7) [5]

Q. 4. A) Identification of different deixis given in the passage/dialogue: [5]

B. A. Part II
(Discipline Specific Core) (DSC-C5)
English (Paper III) (Semester III)
LITERATURE AND CINEMA (CBCS)

Course Objectives:

- To introduce film and its relationship to literature to the students
- To acquire film literacy through a working knowledge of basic film terminology
- To develop critical approaches to engage with film adaptations
- To establish a clear understanding of literature through film adaptations of literary texts
- To introduce the students to the issues and practices of cinematic adaptations

Detailed Syllabi
June 2019 Onwards

Module I
Theories of Adaptation
Module II
Adaptation as Interpretation
Module III
William Shakespeare's *Comedy of Errors* and its Adaptation *Angoor* (dir. Gulzar, 1982)
Module IV
William Shakespeare's *Comedy of Errors* and its Adaptation *Angoor* (dir. Gulzar, 1982)

Division of Teaching: 4 Modules X 15 Periods = 60 Periods

Prescribed Texts:
Shakespeare, William. *The Comedy of Errors*, ed. Wells (Oxford, 1995).
William Shakespeare's *Comedy of Errors* and its Adaptation *Angoor* (dir. Gulzar, 1982)

Suggested Reading:
Linda Hutcheon, 'On the Art of Adaptation', *Daedalus*, vol. 133, (2004).
Thomas Leitch, 'Adaptation Studies at Crossroads', *Adaptation*, 2008, vol.1, no.1, pp. 63–77.
Poonam Trivedi, 'Filmi Shakespeare', *Litfilm Quarterly*, vol. 35, issue 2, 2007.
Tony Bennett and Janet Woollacott, 'Figures of Bond', in *Popular Fiction: Technology, Ideology, Production, Reading*, ed. Tony Bennet (London and New York: Routledge, 1990).
Deborah Cartmell and Imelda Whelehan, eds., *The Cambridge Companion to Literature on Screen* (Cambridge: Cambridge University Press, 2007).
John M. Desmond and Peter Hawkes, *Adaptation: Studying Film and Literature* (New York: McGraw-Hill, 2005).
Linda Hutcheon, *A Theory of Adaptation* (New York: Routledge, 2006).
J.G. Boyum, *Double Exposure* (Calcutta: Seagull, 1989).
B. Mcfarlens, *Novel to Film: An Introduction to the Theory of Adaptation* (Clarendon University Press, 1996).

B. A. Part II
(Discipline Specific Core) (DSC-C5)
English (Paper III) (Semester III)
LITERATURE AND CINEMA
(CBCS)
June 2019 Onwards

Pattern of Question Paper

Marks: 50

Q1. A) Five multiple choice questions with four alternatives (5)
B) Answer the following questions in one word/ phrase/sentence each.
(Q. 1 A and B to be set on Module III and IV) (5)
Q.2. Answer the following questions in about 250-300 words (10)
(A or B on Module I and II)
Q.3. Answer the following questions in about 250-300 words (10)
(A or B on Module III and IV)
Q.4. Write Short Notes in about 100-150 words each (4 out of 6) (20)
(three to be set on Module I, II, and three on Module III, IV)

Suggestions for Q.3 and Q.4:

- A film/book review of the prescribed film/text
- Comparative study of the text and film adaptation based on technique, cinematic liberty, distortion, plot, characterization, language, theme, etc.
- From page to stage difference between the textual aesthetics and film aesthetics
- Questions based on the theory of adaptation
- Structural elements of the text and the film
- Questions based on text and context

B. A. Part II
(Discipline Specific Core) (DSC-C29)
English (Paper V) (Semester IV)
LITERATURE AND CINEMA
(CBCS)

Course Objectives:

- To introduce film and its relationship to literature to the students
- To acquire film literacy through a working knowledge of basic film terminology
- To develop critical approaches to engage with film adaptations
- To establish a clear understanding of literature through film adaptations of literary texts
- To introduce students to the issues and practices of cinematic adaptations

Detailed Syllabi
June 2019 Onwards

Module I
Transformation and Transposition
Module II
Hollywood and 'Bollywood'
Module III
Chetan Bhagat's *Five Point Someone* and its Adaptation *3 Idiots* (dir. Rajkumar Hirani, 2009)
Module IV
Chetan Bhagat's *Five Point Someone* and its Adaptation *3 Idiots* (dir. Rajkumar Hirani, 2009)

Division of Teaching: 4 X 15 Periods = 60 Periods

Prescribed Text:
Bhagat, Chetan, *Five Points Someone*. New Delhi: Rupa & Co. 2004.
Chetan Bhagat's *Five Point Someone* and its Adaptation *3 Idiots* (dir. Rajkumar Hirani, 2009)

Suggested Reading:

Linda Hutcheon, 'On the Art of Adaptation', *Daedalus*, vol. 133, (2004).
Thomas Leitch, 'Adaptation Studies at Crossroads', *Adaptation*, 2008, vol.1, no.1, pp. 63–77.
Poonam Trivedi, 'Filmi Shakespeare', *Litfilm Quarterly*, vol. 35, issue 2, 2007.
Tony Bennett and Janet Woollacott, 'Figures of Bond', in *Popular Fiction: Technology, Ideology, Production, Reading*, ed. Tony Bennet (London and New York: Routledge, 1990).
Deborah Cartmell and Imelda Whelehan, eds., *The Cambridge Companion to Literature on Screen* (Cambridge: Cambridge University Press, 2007).
John M. Desmond and Peter Hawkes, *Adaptation: Studying Film and Literature* (New York: McGraw-Hill, 2005).
Linda Hutcheon, *A Theory of Adaptation* (New York: Routledge, 2006).
J.G. Boyum, *Double Exposure* (Calcutta: Seagull, 1989).

B. Mcfarlens, *Novel to Film: An Introduction to the Theory of Adaptation* (Clarendon University Press, 1996).
Biswas Mun Mun Das, "Depiction of Youth Culture in Chetan Bhagat's *Five Point Someone*" The Criterion: An International Journal in English, Vo.4, Issue-II, April 2013, http://www.the-criterion.com/V4/n2/Mun.pdf

B. A. Part II
(Discipline Specific Core) (DSC-C29)
English (Paper V) (Semester IV)
LITERATURE AND CINEMA (CBCS)

June 2019 Onwards

Pattern of Question Paper

Marks: 50

Q1. A) Five multiple choice questions with four alternatives (5)
B) Answer the following questions in one word/ phrase/sentence
(Q. 1 A and B to be set on Module III and IV) (5)
Q2. Answer the following questions in about 250-300 words [10]
(A or B on Module I and II)
Q3. Answer the following questions in about 250-300 words [10]
(A or B on Module III and IV)
Q4. Write Short Notes in about 100-150 words each (4 out of 6) [20]
(three to be set on Module I, II, & three on Module III, IV)

Suggestions for Q.3 and Q.4:

- A film/book review of the prescribed film/text
- Comparative study of the text and film adaptation based on technique, cinematic liberty, distortion, plot, characterization, language, theme, etc.
- From page to stage difference between the textual aesthetics and film aesthetics
- Questions based on the theory of adaptation
- Structural elements of the text and the film
- Questions based on text and context

B. A. Part II
(Discipline Specific Core) (DSC-C6)
English (Paper IV) (Semester III)
PARTITION LITERATURE (CBCS)

Course Objectives:

- To create an awareness of the partition scenario among the students
- To explain the hidden human dimensions of the partition to the students
- To elaborate on the impact of partition on society

Detailed Syllabi
June 2019 Onwards

Module I

Partition: Causes and Effects

Module II

Communal conflicts and Violence

Module III

Khushwant Singh's *A Train to Pakistan*

Module IV

Khushwant Singh's *A Train to Pakistan*

Division of Teaching: 4 Modules X 15 Periods = 60 Periods

Prescribed Text:

Singh, Khushwant. *A Train to Pakistan*. New Delhi: Ravi Dayal Publishers, 1956.

Suggested Reading:

Ritu Menon and Kamala Bhasin, 'Introduction', in *Borders and Boundaries* (New Delhi: Kali for Women, 1998).

Sukirta P. Kumar, *Narrating Partition* (Delhi: Indialog 2004).

Urvashi Butalia, *The Other Side of Silence: Voices from the Partition of India* (New Delhi: Kali for Women,2000).

More, D.R. *The Novels on the Indian Partition*, Jaipur, Shruti Publication, 2008.

Sigmund Freud, 'Mourning and Melancholia', in *The Complete Psychological Works of Sigmund Freud,* tr. James Strachey (London: Hogarth Press,1953) pp.3041-53**.**

Beniwal, Anup. *Representing Partition: History, Violence and Narration*. Delhi: Shakti Book House. 2005.

Bhalla, Alok.*Partition Dialogues: Memories of a Lost Home*. New Delhi: Oxford University Press. 2006.

Sharma, V.P. "Communalism and its Motifs in three Post Independence Novels: Khushwant Singh's *A Train to Pakistan*, Bhisham Sahni's *Tamas* and Chaman Nahal's *Azadi*," *Recent Indian English Literature.* Ed. S.D. Sharma, Karnal: Natraj Publishing House, 1998. Print.

Shyam. M. Asnani. "The Theme of Partition in the Indo-English Novel." *New Dimensions of Indian English Novel*. New Delhi: Doaba House Publication, 1988.38-50. Print.

B. A. Part II
(Discipline Specific Core) (DSC-C30)
English (Paper VI) (Semester IV)
PARTITION LITERATURE (CBCS)
Detailed Syllabi
June 2019 Onwards

Module I

Impact of Partition on Women

Module II

Home and Exile

Module III

Short Stories:

Toba Tek Singh	- Saadat Hasan Manto
The Final Solution	- Manik Bandopadhyay

Module IV

Short Stories:

Defend Yourself Against Me	- Bapsi Sidhwa
A Leaf in the Storm	- Lalithambika Antharjanam

Division of Teaching: 4 Modules X 15 Periods = 60 Periods

Short Stories Prescribed From:

Saadat Hasan Manto, "Toba Tek Singh", in *Black Margins: Manto*, tr. M. Asaduddin (New Delhi: Katha, 2003) pp. 212–20.

Manik Bandhopadhya, 'The Final Solution', tr. Rani Ray, *Mapmaking: Partition Stories from Two Bengals*, ed. Debjani Sengupta (New Delhi: Srishti, 2003) pp. 23–39.

Sidhwa, Bapsi. "Defend Yourself Against Me." in *And the World Changed: Contemporary Stories by Pakistani Women*, ed. M. Shamsie, 27–52. New York: The Feminist Press, 2008.

Lalithambika Antharjanam, "A Leaf in the Storm", tr. K. Narayana Chandran, in *Stories about the Partition of India*. ed. Alok Bhalla (New Delhi: Manohar, 2012) pp. 137–45.

Suggested Reading:

Ritu Menon and Kamala Bhasin, 'Introduction', in *Borders and Boundaries* (New Delhi: Kali for Women, 1998).

Sukirta P. Kumar, *Narrating Partition* (Delhi: Indialog 2004).

Urvashi Butalia, *The Other Side of Silence: Voices from the Partition of India* (New Delhi: Kali for Women,2000).

More, D.R. *The Novels on the Indian Partition*, Jaipur, Shruti Publication, 2008.

Sigmund Freud, 'Mourning and Melancholia', in *The Complete Psychological Works of Sigmund Freud,* tr. James Strachey (London: Hogarth Press,1953) pp.3041-53**.**
Beniwal, Anup. *Representing Partition: History, Violence and Narration.* Delhi: Shakti Book House. 2005.
Bhalla, Alok. *Partition Dialogues: Memories of a Lost Home*. New Delhi: Oxford University Press. 2006.
Sharma, V.P. "Communalism and its Motifs in three Post Independence Novels: Khushwant Singh's *A Train to Pakistan*, Bhisham Sahni's *Tamas* and Chaman Nahal's *Azadi*," *Recent Indian English Literature.* Ed. S.D. Sharma, Karnal: Natraj Publishing House, 1998. Print.
Shyam. M. Asnani. "The Theme of Partition in the Indo-English Novel." *New Dimensions of Indian English Novel.* New Delhi: Doaba House Publication, 1988.38-50. Print.

B. A. Part II
(Discipline Specific Core) (DSC-C6 and C30)
Semester III (Paper IV) and Semester IV (Paper IV)
PARTITION LITERATURE
(CBCS)
June 2019 Onwards

Pattern of Question Paper for (Paper IV) and (Paper IV)

Q.1. A) Multiple Choice Questions with four alternatives. (5)
B) Answer the following questions in one word/ phrase/sentence each. (5)
(Q.1 A and B to be set on Module III and IV)
Q.2.A) Answer the following question in about 250-300words. (10)
OR
B) Answer the following question in about 250-300words. (10)
(A and B to be set on Module I and II)
Q.3. A) Answer the following question in about 250-300words. (10)
OR
B) Answer the following question in about 250-300words. (10)
(A and B to be set on Module III and IV)
Q.4 A) Write short notes in about 100-150words each: (4 out of 6) (20)
(3 to be set on Module I and II and 3 to be set on Module III and IV)

B. A. Part II
(Discipline Specific Core) (DSC-D17)
LINGUISTICS (Paper III) (Semester III)
INTRODUCTION TO MODERN GRAMMAR (CBCS)

Course Objectives:

- To acquaint the students with basic concepts in Linguistics in general
- To acquaint the students with units of language – Words, Phrases, Clauses, and Sentences
- To acquaint the students with the form and function of units of language
- To acquaint the students with basic concepts in Semantics
- To acquaint the students with basic concepts in Socio-linguistics

Detailed Syllabi
June 2019 Onwards

Module I

Orientation:

1. What is Grammar?
2. Prescriptive and Descriptive Grammar

Module II

Word Classes:

1. Open Class Words
2. Closed Class Words

Module III

Phrases:

1. Noun Phrase
2. Prepositional Phrase
3. Adjective Phrase

Module IV

Phrases:

1. Adverb Phrase
2. Genitive Phrase
3. Verb Phrase

Reference Books:

Kanbarkar R.K. and Kulkarni R. A. *A Grammar of English.*Unique Publisher House,1978.

Leech G. N. et.al *English Grammar for Today*.Macmillan,1973.

Shastri S.V. & Shaikh M.A. *A Course in English Grammar and Composition,* Kolhapur, Phadake Publications, 1978.

Thomson and Martinet. *A Practical English Grammar.* Oxford University Press, 1960.

Suggested Reading:

Balasubramaniam, T. *A Textbook of English Phonetics for Indian Students*. Macmillan, 1981.

Bolinger, Dwight. Aspects of Language. Harcourt Brace Javonovich, New York,1968

Quirk Randolph, *A University Grammar of English.*Oxford University Press.1973.

Crystal, David. *Linguistics*. Penguin Books, England.1982

Hockett ,Charles F. *A Course in Modern Linguistics*. New York: Macmillan, 1958

Rajimwale, Sharad. *Elements of General Linguistics Vol. I, II* Rama Brothers, New Delhi.2001

Ullman S.*The Principals of Semantics*.Oxford, Blackwell.1957

Yule, George. *Pragmatics*. Oxford OUP. 1996

B. A. Part II
(Discipline Specific Core) (DSC-D17)
LINGUISTICS (Paper III) (Semester III)
INTRODUCTION TO MODERN GRAMMAR (CBCS)
The Pattern of Question Paper
June 2019 Onwards

Total Marks 50

Q. 1. Five Multiple Choice questions based on all Modules	[5]
Q. 2. Short answer type questions on Module I and II (2 out of 3)	[10]
Q. 3. Short Notes on Module III and IV (3 out of 4)	[15]
Q. 4. Give form and function labels on Module III (5 out of 6)	[10]
Q. 5.Correction of Sentences (based on articles, preposition, adverbs. Concord, number, voice, etc) (10 out of 10)	[10]

B. A. Part II
(Discipline Specific Core) (DSC-D45)
LINGUISTICS (Paper V) (Semester IV)
INTRODUCTION TO MODERN GRAMMAR (CBCS)

Course Objectives:

- To acquaint the students with Clauses
- To acquaint the students with different type of Sentences
- To acquaint the students with basic concepts in Stylistics and Sociolinguistics
- To acquaint the students with Varieties of Language

Detailed Syllabi (June 2019 Onwards)

Module I

Clauses:

1. Finite Clauses
2. Non-finite Clauses
3. Main Clauses

Module II

1. Subordinate Clauses
2. Co-ordination

Module III

Sentences:

1. Statements
2. Interrogative
3. Exclamatory
4. Imperative
5. Negative
6. Affirmative

Module IV

Sentences:

1. Simple
2. Compound
3. Complex
4. Active
5. Passive

Reference Books:

Kanbarkar R.K. and Kulkarni R. A. *A Grammar of English.* Unique Publisher House,1978.

Leech G. N. et.al *English Grammar for Today*.Macmillan, 1973.

Shastri S.V. & Shaikh M.A. *A Course in English Grammar and Composition,* Kolhapur, Phadake Publications, 1978.
Thomson and Martinet. *A Practical English Grammar.* Oxford University Press, 1960.

Suggested Reading:

Balasubramaniam, T. *A Textbook of English Phonetics for Indian Students*. Macmillan, 1981.
Bolinger, Dwight. Aspects of Language. Harcourt Brace Javonovich, New York,1968.
Quirk Randolph, *A University Grammar of English.*Oxford University Press.1973.
Crystal, David. *Linguistics*. Penguin Books, England.1982.
Hockett, Charles F. *A Course in Modern Linguistics*. New York: Macmillan, 1958.
Sharad. *Elements of General Linguistics Vol. I, II* Rama Brothers, New Delhi.2001.
Ullman S.*The Principals of Semantics*.Oxford, Blackwell.1957.
Yule, George. *Pragmatics*. Oxford OUP. 1996.

B. A. Part II
(Discipline Specific Core) (DSC-D45)
LINGUISTICS (Paper V) (Semester IV)
INTRODUCTION TO MODERN GRAMMAR (CBCS)
PATTERN OF QUESTION PAPER
June 2019 Onwards

Total Marks 50

Q. 1. Five Multiple Choice questions based on all Modules.	[5]
Q. 2. Short answer type question on Module 1 and 2 (2 out of 3)	[10]
Q. 3. Short Note on Module 3 & 4 (3 out of 4)	[15]
Q. 4. Give form and function labels (on Module III) (5 out of 6)	[10]
Q. 5. Correction of Sentences (based on articles, preposition, adverbs, Concord, number, voice etc) (10 out of 10)	[10]

B. A. Part II
(Discipline Specific Core) (DSC-D18)
LINGUISTICS (Paper IV) (Semester III)
PERSPECTIVES ON MODERN LINGUISTICS (CBCS)

Detailed Syllabi
June 2019 Onwards

Module I

Orientation:

1. What is Linguistics?
2. Branches of Linguistics
3. What is Semantics?

Module II

Orientation:

1. What is style?
2. What is stylistics?
3. What is sociolinguistics?

Module III

Linguistics:

1. History of Linguistics?
2. Langue and Parole
3. Language as a System of Sign:
   (Sign- Signifier-Signified.)
4. Diachronic and Synchronic Linguistics

Module IV

Semantics:

1. Synonymy
2. Antonymy
3. Polysemy

Reference Books:

Crystal, David. *Linguistics.* Penguin Books, England.1982
Hudson R. A. *Sociolinguistics*. Cambridge, C.U.P. 1980
Leech, G. N. *A Linguistic Guide to English Poetry.* Longman, London.1969
Palmar, F. R. *Semantics*. Cambridge University Press.1996
Rajimwale, Sharad. *Elements of General Linguistics* Vol. I, II Rama Brothers, New Delhi. 2001.

Suggested Reading:

Balasubramaniam, T. *A Textbook of English Phonetics for Indian Students.*

Macmillan. 1981.
Bolinger, Dwight. *Aspects of Language.* Harcourt Brace Javonovich, New York,1968.

Corder, S. Pit. *Introducing Applied Linguistics.* Harmondsworth, Penguin 1973.
Hockett, Charles F. *A Course in Modern Linguistics*. New York: Macmillan, 1958.
Ullman S. *The Principals of Semantics.*Oxford, Blackwell.1957.

B. A. Part II
(Discipline Specific Core) (DSC-D18)
LINGUISTICS (Paper IV) (Semester III)
PERSPECTIVES ON MODERN LINGUISTICS (CBCS)

PATTERN OF QUESTION PAPER
June 2019 Onwards

Total Marks 50

Q. 1. Five Multiple Choice questions based on all Modules	[5]
Q. 2. Short answer type questions on Module I and II (2 out of 3)	[10]
Q. 3. Short Notes on Module III and IV (2 out of 3)	[10]
Q. 4. Short Answer type questions on Module II and III (5 out of 7)	[10]
Q. 5. Essay type question on Module III and IV (1 out of 2)	[15]

B. A. Part II (Discipline Specific Core) (DSC-D46)
LINGUISTICS (Paper VI) (Semester IV)
PERSPECTIVES ON MODERN LINGUISTICS
(CBCS)

Detailed Syllabi
June 2019 Onwards

Module I

1. Hyponymy
2. Homonymy
3. Collocation

Module II

Stylistics:

1. Ordinary and Literary Language
2. Poetic Devices:
   a) Sense Devices
      Figures of Speech
   b) Sound Devices:
      Rhyme & Rhythm, Alliteration, Onomatopoeia
3. Stylistic Analysis of a Short Poem.

Module III

Sociolinguistics:

a. Varieties of Language
b. Dialect: Regional & Social
c. Standard Language

Module IV

Varieties of Language:

a. Code-mixing and code-switching
a. Pidgin and Creole

Reference Books:

1. Crystal, David. *Linguistics.* Penguin Books, England.1982
2. Hudson R. A. *Sociolinguistics*. Cambridge, C.U.P. 1980
3. Leech, G. N. *A Linguistic Guide to English Poetry.* Longman, London.1969
4. Palmar, F. R. *Semantics*. Cambridge University Press.1996
5. Rajimwale, Sharad. *Elements of General Linguistics* Vol. I, II Rama Brothers, New Delhi.2001

Suggested Reading:

1. Balasubramaniam, T. *A Textbook of English Phonetics for Indian Students*. Macmillan, 1981.
2. Bolinger, Dwight. Aspects of Language. Harcourt Brace Javonovich, New York,1968

3. Quirk Randolph, *A University Grammar of English.*Oxford University Press.1973.
4. Crystal, David. *Linguistics*. Penguin Books, England.1982
5. Hockett, Charles F. *A Course in Modern Linguistics*. New York: Macmillan, 1958
6. Rajimwale, Sharad. *Elements of General Linguistics Vol. I, II* Rama Brothers, New Delhi.2001
7. Ullman S.*The Principals of Semantics*.Oxford, Blackwell.1957
8. Yule, George. *Pragmatics*. Oxford OUP. 1996

B. A. Part II (Discipline Specific Core) (DSC-D46)
Linguistics (Paper VI) (Semester IV)
PERSPECTIVES ON MODERN LINGUISTICS
(CBCS)
Pattern of Question Paper
June 2019 Onwards

Total Marks 50

Q. 1 Five Multiple Choice questions based on all Modules	[5]
Q 2 Short answer type questions on Module 1 & 2 (2 out of 3)	[10]
Q 3 Short Note on Module 3 & 4 (2 out of 3)	[10]
Q 4 Short Answer type questions on Module 2 to 3 (5 out of 7)	[10]
Q. 5 Essay type question on Unit- 3 to 4 (1 out of 2)	[15]

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A++' Grade

(CBCS Syllabus with MEME in accordance with NEP)

Syllabus For

B.A. Part-I

English

(Ability Enhancement Compulsory Course)

(Syllabus to be implemented from June, 2022 onwards.)

B.A. Part I – Ability Enhancement Compulsory Course (AECC1)

(Compulsory English)

(CBCS with MEME in accordance with NEP)

English for Communication Detailed Syllabus

June 2022onwards

Course Objectives:

1. **To acquaint students with communication skills.**
2. **To inculcate human values among the students through poems and prose.**
3. **To improve the language competence of the students**

Semester–I AECC1 (Paper-A)

Module I

A) Developing Vocabulary

B) On Saying Please-A. G. Gardiner

Module II

A) Narration

B) **In Passion's Shadow**-Mohan Rakesh

Module III

A. English for General Purposes

B. **The Solitary Reaper**-William Wordsworth

Module IV

A. **My School**, by Rabindranath Tagore

B. **All the World is a Stage**-William Shakespeare

C. **The Street-**Kusumagraj

Division of Teaching hours (Total 60 Periods)

1. CommunicationSkills:3X12=36periods
2. ReadingComprehension:6X4=24periods

***Note: Semester I: 10 Marks for Internal Evaluation: Home Assignment**

Pattern of Question Paper

SEMESTERI (AECC1) (Paper–A)

TotalMarks:40

Q. No	Sub. Q.	Type of Question	Based On Unit	Marks
Q.1	A	Four multiple choice questions with four alternatives to be set.	**Prose and poetry units.**	04
	B	Answer in one word/ phrase/ sentence each.	**Prose and poetry units.**	03
Q.2	A	Answer the following questions in three to four sentences each (3out of 5)	**Prose and poetry units**	06
	B	Write short notes on the following in about seven to eight sentences each (2 outof 3)	**Prose and poetry units**	06
Q.3	---	Do as directed: (Based on **Module I A Developing Vocabulary)** Four different exercises to be set for 2 marks each.	**Module I A**	08
Q.4	A	Question to be set on **English for General Purposes**	**Module III A**	06
	B	Question to be set on **Narration**	**Module II A**	**07**

B.A. Part I– Ability Enhancement Compulsory Course (AECC2)

(Compulsory English)
(CBCS with MEME in accordance with NEP)
English for Communication Detailed Syllabus
June 2022 onwards

Semester –II (AECC2) (Paper–B)

Module V

A. Making Inquiries
B. **The Lost Child**-Mulk Raj Anand

Module VI

A. Telephonic Communication
B. **To My Countrymen**- A P J Abdul Kalam

Module VII

A. Description
B. **A Village Girl**-Mohan Singh

Module VIII

A. **My Elder Brother**-Premchand
B. **The Tiger**-William Blake
C. **A Poet**-ChandrakantPatil

Division of Teaching hours(Total 60 Periods)

1. CommunicationSkills:3X12=36periods
2. ReadingComprehension:6X4=24periods

***Note: Semester II: 10 Marks for Internal Evaluation: Unit Test**

Pattern of Question Paper

SEMESTERII (AECC2) (Paper–B)

Total Marks:40

Q. No	Sub. Q.	Type of Question	Based On Unit	Marks
Q.1	A	Four multiple choice questions with four alternatives to be set.	**Prose and poetry units.**	04
	B	Answer in one word/phrase/sentence each.	**Prose and poetry units.**	03
Q.2	A	Answer the following questions in three to four sentences each (3out of 5)	**Prose and poetry units**	06
	B	Write short notes on the following in about seven to eight sentences each (2out of 3)	**Prose and poetry units**	06
Q.3	A	Question to be set on **Making Inquiries**	**Module VA**	06
	B	Question to be set on **Telephonic Communication**	**Module VI A**	05
Q.4	A	Question to be set on **Description** Describing objects **or** persons	**Module VII A**	05
	B	Question to be set on **Description** Describing places **or** Daily Routine	**Module VII A**	**05**

SHIVAJI UNIVERSITY, KOLHAPUR.

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(CBCS Syllabus with MEME in accordance with NEP)

For

B.A. Part - I

English (Discipline Specific Core)

(Syllabus to be implemented fromJune,2022 onwards.)

B.A. Part I (Discipline Specific Core) (DSC-A3)
(English Paper–I) (Semester–I)

Modern Indian Writing in English Translation

(CBCS with MEME in accordance with NEP)

Detailed Syllabus

Course Objectives:

1. To acquaint the students with translated Modern Indian literature in English.
2. Tointroducethestudentstoshortstoryasaformofliteraturewithreferencetothetextsprescribed.
3. To develop literary competence among students.

Short Stories-

Unit1. Short Story as a Minor Form of Literature: Characteristic Features

Unit2. Short Story as a Minor Form of Literature:Types

Unit3.A) Premchand's 'The Shroud'

B)Saratchandra Chatterji's 'Laloo'

Unit4.A)Gurdial Singh'A Season of No Return'

B) Fakir Mohan Senapati 'Rebati'

Division of Teaching:4 X 15 Periods =60 Periods

***Note: Semester I: 10 Marks for Internal Evaluation: Home Assignment**

Short Stories Prescribed from:

Premchand'The Shroud'in *Penguin Book of Classic Urdu Stories*,ed. M. Assaduddin (New Dehli: Penguin/Viking,2006).

Saratchandra Chatterji 'Laloo',in *Indian Short Stories, ed.* Manmohan Saksena (Oxford University Press, Amen Hous e, London E.C.4,1951).

Gurdial Singh'ASeason of No Return',in *Earthy Tones* tr. Rana Nayar(Delhi Fiction House,2002).

Fakir Mohan Senapati 'Rebati',in *Oriya Stories*, ed. Vidya Das,tr,Kishori Charan Das (Delhi:ShrishtiPublishers,2000).

References: Venugopal,C.V.*The Indian Short Story in English: A Survey*. Bareilly: Prakash Book Depot. 1976. Prasad,B.A.*A Background to the Study of English Literature*.Madras:MacMillanIndia,1965.

Mehta,Kamal.*The Twentieth Century Indian Short Story in English*. New Delhi: Creative Books, 1997.

Hunter,Adrian. *The Cambridge Introduction to the Short Story in English*. NewDelhi: Cambridge UniversityPress,2007.

Shaw,Valerie. *The Short Story: A Critical Introduction*, NewYork: Longman Group Limited.1983.

Warren, Robert Penn,Erskine, Albert.(Ed.).*ShortStoryMasterpieces*,NewYork:DellPublishingCo.,1954.

Pattern of Question Paper
Semester I
(DSC-A3)
(English Paper–I)
Total Marks–40

Q. 1. Multiple choice questions with four alternatives. (08)

(To be set on Unit 3&4)

Q.2 A) Answer the following questions in about250-300 words. (08)

A or B on Unit 1&2)

Q.3 Answer the following questions in about 250-300 words. (08)

(A or B on Unit 3or4)

Q.4. Write short notes in about 100-150 words each.(4out of 6) (16)

(3 short notes on Unit1,2 and3on Unit3,4 to be set)

B.A. Part I (Discipline Specific Core) (DSC–A15)

(English Paper–II) (Semester–II)

Modern Indian Writing in English Translation

(CBCS with MEME in accordance with NEP)

Detailed Syllabus

June 2022 onwards

Course Objectives:

1. To acquaint the students with translated Modern Indian literature in English.
2. To introduce the students to poetry and play as forms of literature with reference to the texts prescribed.
3. To develop literary competence among students.

Poems–

Unit1.

Rabindranath Tagore:

i) Light, Oh Where is the Light?

ii) When My Play Was With Thee

Amrita Pritam:

i)I Say Unto Waris Shah

Unit2.G.M.Muktibodh:

i) The Void
ii) So Very Far

Play-

Unit 3. Satish Alekar– *The Dread Departure (Mahanirvan).*

Unit 4. Satish Alekar– *The Dread Departure(Mahanirvan).*

DivisionofTeaching:4X15Periods=60Periods

***Note: Semester II: 10 Marks for Internal Evaluation: Unit Test**

Poems/ Play Prescribed from:

Rabindranath Tagore i) ' Light, Oh Where is the Light?' and ii) 'When My Play Was With Thee'in *Gitanjali: Anew Translation with an Introduction* by William Radice,(NewDelhi:Pen giunIndia,2011).

G.M.Muktibodhi) 'The Void',(tr.Vinay Dharwadker) and) ii 'So Very Far', (tr.VishnuKhare and Adil Jussawala), in *The Oxford Anthology of Modern Indian Poetry*, ed.Vinay Dharwadker and A.K.Ramanujan (NewDelhi:OUP,2000).

AmritaPritam'I Say Unto Waris Shah',(tr.N.S.Tasneem) in *Modern Indian Literature: An Anthology, Plays and Prose Surveys and Poems*, ed. K. M. George, Vol. 3 (Delhi SahityaAcademy,1992).

References:

Prasad,B.A. *A Background to the Study of English Literature*. Madras:Mac Millan India,1965.

Ramamurti K.S. (Editor).*Twenty Five Indian Poets in English (*Edited with Introduction andnotes),Macmillan PublishersPvt.IndiaLtd.NewDelhi.2012.

Mehrotra,Arvind Krishna(Editor).*TheOxfordIndiaAnthologyofTwelveModernIndianPoets*,Oxford UniversityPressNewDelhi.2004.

Alekar,Satish.*The Dread Departure (Mahanirvan)*. Kolkata:Seagull Books.2007.

Pattern of Question Paper

(DSC–A15)
(English Paper–II) (Semester–II)

TotalMarks–40

Que 1. Multiple choice questions with four alternatives. (08)
(4 on Poems & 4on *Mahanirvan* to be set)

Que. 2 Answer the following questions in about 250-300 words.
(A or B on Unit1&2) (08)

Que 3. Answer the following questions in about 250-300 words. (08)
(A or B on *Mahanirvan*)

Que 4. Write short notes in about100-150 words each.(4out of 6) (16)

(3on Poems & 3on *Mahanirvan* to be set)

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A++' Grade

Detailed Syllabus

(CBCS Syllabus with MEME in accordance with NEP)

June 2022 onwards

Syllabus For

B.A. Part I English

(Core Generic Elective)

(Syllabus to be implemented from June, 2022 onwards.)

B.A. Part I Core Generic Elective (CGE-15)
(Additional English)
(Semester–I) (Paper–I)

An Introduction to Literature: Poetry

Detailed Syllabus
(CBCS with MEME in accordance with NEP)
June 2022onwards

Module- I

A:Definitions,Nature,Origin and function of Poetry

B:PoeticalTypes:Lyric,Ode,Sonnet,Elegy,Ballad,Idyll

Module-II

1. One Day I Wrote Her Name**– Edmund Spenser**

2. Let Me Not to the Marriage of True Minds**–William Shakespeare**

3. On His Blindness **–John Milton**

4. Ozymandias- **P.B. Shelley**

5. Module- III

1. Daffodils**–William Wordsworth**

2. Stopping by Woods on a Snowy Evening**–Robert Frost**

3. Leisure**– W.H. Davis**

4. Grandma's Ways**–Anna McLean**

5. Module- IV

1. O Captain! My Captain**–Walt Whitman**

2. Break, Break, Break **–A. L. Tennyson**

3. O What is that Sound**– W.H. Auden**

4. Ode on Solitude**–Alexander Pope**

***Note: Semester I: 10 Marks for Internal Evaluation: Home Assignment**

B.A. Part I Core Generic Elective (CGE-15)
(Additional English)
(Semester–I) (Paper–I)
An Introduction to Literature: Poetry
Detailed Syllabus
(CBCS with MEME in accordance with NEP)
June 2022 onwards

Pattern of Question Paper

Marks:40

Que.1:Rewrite the following sentences by choosing the correct alternatives (08)

8 items with 4 alternatives based on Module No. 2, 3,4

Que.2: Answer any two of the following questions in about 250 to 300 words each: (16)

Three questions one each on Module No.2, 3, 4 out of which **two** to be attempted

Que.3A:Write short notes on the following in about 100 to 150 words each: (08)

Three items one each on ModuleNo.2,3,4 out of which **two** to be attempted

(Not covered in Question No.2)

B: Write short notes on the following in about 100 to150words each: (08)

Three items on Module No.1(i.e. Poetry as a form of literature) out of which**two** to be attempted

B.A. Part I Core Generic Elective (CGE-16)
(Additional English)
(Semester–II) (Paper–II)
An Introduction to Literature: Short Story
Detailed Syllabus
(CBCS with MEME in accordance with NEP)
June 2022 onwards

Module- V

A : Definitions, Origin and Characteristics of Short Story

B: Elements of Short Story

Module-VI

1. A Day's Wait **–Earnest Hemingway**

2. A Grain as Big as a Hen's Egg**- Leo Tolstoy**

Module- VII

1. Wrong Man in Workers' Paradise**-Rabindranath Tagore**

2. Carpet**–Jyotika Elhance**

Module-VIII

1. The Childless One**–Jai Nimkar**

2. The Only American from our Village**–Arun Joshi**

***Note: Semester II: 10 Marks for Internal Evaluation: Unit Test**

B.A. Part I Core Generic Elective (CGE-16)
(Additional English)
(Semester–II) (Paper–II)
An Introduction to Literature: Short Story
Detailed Syllabus
(CBCS with MEME in accordance with NEP)
June 2022 onwards

Pattern of Question Paper

Marks: 40

Que.1: Rewrite the following sentences by choosing the correct alternatives (08)

8 items with 4 alternatives based on Module No. 6,7,8

Que.2: Answer any two of the following questions in about 250 to 300 words each: (16)

Three questions one each on Module No.6,7,8 out of which **two** to be attempted

Que3A: Write short notes on the following in about 100 to150 words each: (08)

Three items one each on Module No.6,7,8 out of which **two** to be attempted
(Not covered in Question No.2)

B: Write short notes on the following inabout100 to150wordseach: (08)

Three items on ModuleNo.5 (i.e. Short Story as a form of literature) out of which **two** to be attempted

*****

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004,
MAHARASHTRA
PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

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जा.क्र./शिवाजी वि./अ.मं./हिंदी/६०

दि.०५/११/२०२२

प्रति,

मा. प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/मान्यताप्राप्त संस्था,
शिवाजी विद्यापीठ, कोल्हापूर

विषय : बी. ए. भाग १ हिंदी (ऐच्छिक) कोर्सच्या अभ्यासक्रमाबाबत...

महोदय,

उपरोक्त संदर्भिय विषयास अनुसरुन आपणास आदेशान्वये कळविण्यात येते की, शैक्षणिक वर्ष २०२२–२३ पासून लागू करण्यात आलेल्या **बी. ए. भाग १ हिंदी (ऐच्छिक) कोर्सच्या** अभ्यासक्रमामध्ये किरकोळ दुरुस्ती करण्यात आलेली आहे. सोबत सदर अभ्यासक्रमाची प्रत जोडली आहे. तसेच विद्यापीठाच्या www.unishivaji.ac.in (Online Syllabus) या संकेतस्थळावर ठेवण्यात आला आहे.

सदर अभ्यासक्रम सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणून द्यावी ही विनंती.

कळावे,

आपला विश्वासू,

उपकुलसचिव

सोबत : अभ्यासक्रमाची प्रत.

प्रत : १. अधिष्ठाता, मानवविज्ञान विद्याशाखा.
२. समन्वयक, हिंदी अभ्यास मंडळ.
३. संचालक, परीक्षा व मुल्यमापन मंडळ कार्यालयास.
४. परिक्षक नियुक्ती ए व बी विभागास.
५. बी. ए. परीक्षा विभागास.
६. संगणक केंद्र/आय. टी. सेल विभागास.
७. दूरस्थ व ऑनलाईन शिक्षण विभाग.

माहितीसाठी व पुढील कार्यवाहीसाठी.

शिवाजी विश्वविद्यालय, कोल्हापुर

SHIVAJI UNIVERSITY, KOLHAPUR

हिंदी अध्ययन मण्डल

BOARD OF STUDIES

हिंदी (विशेष ऐच्छिक)

कला विद्याशाखा

बी. ए. भाग –I

सत्र परीक्षा –I/II

(सत्र परीक्षा, श्रेणी तथा एनईपी २०२०)

(Semester, Credit and **NEP 2020** System)

शैक्षिक वर्ष 2022-23

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

कला– हिंदी (विशेष ऐच्छिक)

DISIPLINE SPECIFIC ELECTIVE COURSE (DSEC)

(शैक्षिक वर्ष : 2022–23)

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (NEP) के आलोक में किया गया है।)

उद्देश्य :

1. छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना।
2. छात्रों को हिंदी के प्रतिनिधि गद्यकारों एवं कवियों से परिचित कराना।
3. छात्रों में हिंदी भाषा के श्रवण, पठन एवं लेखन की क्षमताओं को विकसित कराना।
4. निबंध, कहानी, रेखाचित्र, एकांकी, रिपोर्ताज, संस्मरण, व्यंग्य आदि विधाओं के माध्यम से छात्रों का भावात्मक विकास कराना।
5. छात्रों में नैतिक मूल्य, राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण करना।
6. छात्रों में राष्ट्र के प्रति प्रेम, राष्ट्रीय ऐक्य स्थापना एवं सामाजिक प्रतिबद्धता हेतु राष्ट्रभाषा हिंदी का प्रचार–प्रसार करना।
7. छात्रों की विचार क्षमता तथा कल्पनाशीलता को बढ़ावा देना।

अध्यापन पद्धति :

1. व्याख्यान तथा विश्लेषण।
2. सस्वर काव्य पाठ, प्रकट वाचन, संवाद।
3. ग्रंथालयों के माध्यम से संबंधित लेखकों, कवियों की मौलिक कृतियों से छात्रों का परिचय।
4. दृक–श्राव्य साधनों/माध्यमों का प्रयोग।
5. संगोष्ठी, स्वाध्याय तथा गुटचर्चा।
6. पी.पी.टी./भाषा प्रयोगशाला का प्रयोग।
7. विशेषज्ञों के व्याख्यान, साक्षात्कार तथा प्रश्नावली।

पाठ्यपुस्तक – साहित्य जगत

संपादक एवं प्रकाशक,

शिवाजी विश्वविद्यालय, कोल्हापुर।

प्रथम सत्र : विशेष ऐच्छिक प्रश्नपत्र–**I**

हिंदी कविता

अध्ययनार्थ पद्य :		Credit	Periods
इकाई –**I**	1. भिक्षुक – निराला	01	15
	2. बालिका का परिचय– सुभद्राकुमारी चौहान		
	3. तेरी खोपडी के अंदर – नागार्जुन		
	4. वसंत आ गया– अज्ञेय		
इकाई –**II**	5. अजीब–सी मुश्किल – कुंवर नारायण	01	15
	6. पैदल आदमी– रघुवीर सहाय		

	7. बीस साल बाद – धूमिल		
	8. घर की याद – राजेश जोशी		
इकाई –III	9. हो गई है पीर – दुष्यंतकुमार	01	15
	10. माँ जब खाना परोसती थी – चंद्रकांत देवताले		
	11. एकलव्य – कीर्ति चौधरी		
	12. बेजगह – अनामिका		
इकाई –IV	13. नया बैंक – मंगलेश डबराल	01	15
	14. सत्ता – उदय प्रकाश		
	15. स्त्री मुक्ति की मशाल – रजनी तिलक		
	16. बाजार – जया जादवानी		

प्रश्नपत्र का स्वरूप तथा अंक विभाजन :		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर आठ बहुविकल्पी प्रश्न	08
प्रश्न 2 –	समग्र पाठ्यक्रम पर ससंदर्भ स्पष्टीकरण (तीन में से दो)	08
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न (तीन में से दो)	08
प्रश्न 4 –	अ) इकाई I और II पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08
	ब) इकाई III और IV पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08

* अंतर्गत मूल्यमापन परीक्षा– युनिट टेस्ट 10

द्वितीय सत्र : विशेष ऐच्छिक प्रश्नपत्र –**II**

हिंदी गद्य साहित्य

अध्ययनार्थ गद्य :		Credit	Periods
इकाई –**I**	1. जीवन और शिक्षण (निबंध) – विनोबा भावे	01	15
	2. सूरदास (निबंध) – बाबू श्यामसुंदर दास		
	3. विज्ञापन युग (निबंध) – मोहन राकेश		
इकाई –**II**	4. भगत की गत (व्यंग्य) – हरिशंकर परसाई	01	15
	5. फुटपाथ के कलाकार (व्यंग्य) – शरद जोशी		
	6. गोशाला चारा और सरपंच (व्यंग्य) – शंकर पुणतांबेकर		
इकाई –**III**	7. पंचलाईट (कहानी) – फणीश्वरनाथ 'रेणु'	01	15
	8. चीफ की दावत (कहानी) – भीष्म सहानी		
	9. अकेली (कहानी) – मन्नू भंडारी		
इकाई –**IV**	10. संस्कार और भावना (एकांकी) – विष्णू प्रभाकर	01	15
	11. रजिया (रेखाचित्र) – रामवृक्ष बेनीपुरी		
	12. किसान के घर से (यात्रा संवाद) – मधु कांकरिया		

प्रश्नपत्र का स्वरूप तथा अंक विभाजन :		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर आठ बहुविकल्पी प्रश्न	08
प्रश्न 2 –	समग्र पाठ्यक्रम पर ससंदर्भ स्पष्टीकरण (तीन में से दो)	08
प्रश्न 3 –	समग्र पाठ्यक्रम पर टिप्पणियाँ (तीन में से दो)	08
प्रश्न 4 –	अ) इकाई I और II पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08
	ब) इकाई III और IV पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08
* अंतर्गत मूल्यमापन परीक्षा– युनिट टेस्ट		10

संदर्भ ग्रंथ–

1. हिंदी निबंधों का शैलीगत अध्ययन – डॉ.मु.ब.शहा
2. कहानी स्वरूप और संवेदना – राजेंद्र यादव
3. शरद जोशी का व्यंग्य साहित्य – डॉ.सूर्यकांत शिंदे
4. रेणु का कथा साहित्य – सुरेश चंद्र मेहरोत्रा
5. कथाकार भीष्म सहानी – डॉ.कृष्णा पटेल
6. मोहन राकेश और उनका साहित्य – डॉ.कविता शनवारे
7. एकांकीकार विष्णु प्रभाकर – डॉ.संजय चोपडे
8. हिंदी व्यंग्य परंपरा में शंकर पुणतांबेकर का योगदान – डॉ.अनुपमा प्रभुणे
9. रामवृक्ष बेनीपुरी और उनका साहित्य – डॉ.गजानन चव्हाण
10. हिंदी के आधुनिक प्रतिनिधि कवि – द्वारिकाप्रसाद सक्सेना
11. नागार्जुन की कविता – अजय तिवारी
12. क्रांतिकारी कवि निराला – डॉ.बच्चनसिंह

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

2022 से पुनर्रचित पाठ्यक्रम की समकक्षता			
प्रथम वर्ष (कला, वाणिज्य, विज्ञान एवं अन्य विद्याशाखा)			
	हिंदी (आवश्यक)		हिंदी (अनिवार्य) (GEC)
अ.क्र.	पुराना पाठ्यक्रम	अ.क्र.	नया पाठ्यक्रम
1	सत्र – 1 अभ्यासपत्रिका क्र. A प्रयोजनमूलक हिंदी और कहानी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. A सर्जनात्मक लेखन
2	सत्र – 2 अभ्यासपत्रिका क्र. B प्रयोजनमूलक हिंदी और कहानी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. B व्यावहारिक लेखन
बी.ए. भाग – 1			
	हिंदी (ऐच्छिक)		हिंदी (विशेष ऐच्छिक) (DSEC)
1	सत्र – 1 अभ्यासपत्रिका क्र. 1 आधुनिक हिंदी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. 1 हिंदी कविता
2	सत्र – 2 अभ्यासपत्रिका क्र. 2 आधुनिक हिंदी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. 2 हिंदी गद्य साहित्य

SHIVAJI UNIVERSITY, KOLHAPUR

Under Graduate Programme Structure for Faculty of Humanities

Programme Structure for Bachelor of Arts (160 Credits)

SEM	Discipline Specific Core Courses (DSC) (Credits)	DSE/GEC/ OEC/IDS (Credits)	Ability Enhancement Compulsory Courses (AECC) / Languages (Credits)	Skill Enhancement Courses		Total Credits
				Skill Based Courses (Credits)	Value Based Courses (Credits)	
I	4 x 4 **(16 Credits)**	1 x 4 **(4 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -1 **(1 Credit)** Multidisciplinary	VBC **(1 Credit)**	**26**
II	4 x 4 **(16 Credits)**	1 x 4 **(4 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -2 **(2 Credits)** Multidisciplinary	---	**26**
Option 1: Exit with Certificate Course in Arts (With completion of courses equal to a minimum of 52 credits)						
III	4 x 4 **(16 Credits)**	(IDS) 1 x 4 **(4 Credits)**	2 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -3 **(2 Credits)** Multidisciplinary	---	**26**
IV	4 x 4 **(16 Credits)**	(IDS) 1 x 4 **(4 Credits)**	2 AECC (Comp. Eng.& EVS) 2 x 4 **(8 Credits)**	SEC -4 **(2 Credits)** Multidisciplinary	---	**30**
Option 2: Exit with Diploma Course in Arts (With completion of courses equal to a minimum of 108 credits)						
V	---	5 x 4 **(20 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -5 **(2 Credits)** Multidisciplinary	---	**26**
VI	---	5 x 4 **(20 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -6 **(2 Credits)** Multidisciplinary	---	**26**
Total Credits : 160						

DSC = Discipline Specific Core Course

DSE = Discipline Specific Elective (Elective courses offered under the main discipline/subject of study are referred to as *Discipline Specific Elective* course)

AECC = Ability Enhancement Compulsory Courses

SEC = Skill Enhancement Compulsory Courses SEC courses are value-based and / or skill-based and are aimed at providing hands-on- training, competencies, skills, etc.; These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

IDS = Inter Disciplinary Studies.

GEC = Generic Elective Course.

VBC = Value-Based Course.

B.A. Programme Structure Semester I & II

Structure for Level 5 of B.A.

Semester I

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max*	Min
1.	DSC –I	4	3.2+0.8*	4	If applicable	2	40	14	Assignment	10	04
2.	DSC –I	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –I	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -I	4	3.2+0.8*	4		2	40	14		10	04
5.	GEC- 1	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-1	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -I	1	1	1		0.5	12.5	4.5		--	---
8.	VBC-I	1	1	1		0.5	12.5	4.5		--	---
Total		26	20.2+5.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	

Semester II

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSC –II	4	3.2+0.8*	4	If applicable	2	40	14	Unit Test	10	04
2.	DSC –II	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –II	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -II	4	3.2+0.8*	4		2	40	14		10	04
5.	GEC- II	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-II	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -II	2	2	2		1	25	9		--	---
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	
Grand Total		52	52	52		---	530	--	---	SEE+IA=530+120 = 650	
Total Credits Required for Completing Level 5 : 52 Credits											

(*Independent Students' Workload)

DSC: Discipline Specific Core Course - Students can opt four courses (Subjects) from DSC.(B) However, Students shall have to opt for at least one language course (subject) from DSC.(A)
GEC: Generic Elective Course - Students can opt any one course (Subject).
AECC: Ability Enhancement Core Course (Compulsory English).
(A) Non-Credit Self-Study Course : Compulsory Civic Courses (CCC) For Sem I: CCC – I : Democracy, Elections and Good Governance
(B) Non-Credit Self-Study Course : Skill Development Courses (SDC) For Sem II: SDC – I : Any one from following (i) to (v) i) Business Communication & Presentation ii) Event management iii) Personality Development, iv) Yoga & Physical Management v) Resume, Report & Proposal writing
SEC: Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BOS letter dt. 12 Sep., 2022) or from the basket of SEC made available by Shivaji University, Kolhapur.
VBC: Value-Based Course , Students have to Complete one VBC in Semester I of one credit.

B.A. Programme Structure Semester III & IV

Structure for Level 6 of B.A.											
Semester III											
Teaching Scheme						**Examination Scheme**					
Sr. NO.	**Theory (TH)**				**Practical (PR)**	**Semester-end Examination (SEE)**			**Internal Assessment (IA)**		
	Course Type	**No. of Lectures**	**Hours**	**Credits**	**---**	**Paper Hours**	**Max**	**Min**	**Internal**	**Max**	**Min**
1.	**DSC –III**	**4**	**3.2+0.8***	**4**	**If applicable**	**2**	**40**	**14**	**Group Activity**	**10**	**04**
2.	**DSC -IV**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
3.	**DSC –III**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
4.	**DSC -IV**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
5.	**IDS- 1**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
6.	**AECC-III**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
7.	**AECC- EVS**	**--**	**--**	**--**		**--**	**--**	**--**		**--**	**---**
8.	**SEC -III**	**2**	**2**	**2**		**1**	**25**	**9**		**--**	**---**
Total		**26**	**19.2+6.8* = 26**	**26**		---	**265**	---		**60**	
										SEE+IA=265+60= 325	

Semester IV											
Teaching Scheme						**Examination Scheme**					
Sr. NO.	**Theory (TH)**				**Practical (PR)**	**Semester-end Examination (SEE)**			**Internal Assessment (IA)**		
	Course Type	**No. of Lectures**	**Hours**	**Credits**	**---**	**Paper Hours**	**Max**	**Min**	**Internal**	**Max**	**Min**
1.	**DSC –V**	**4**	**3.2+0.8***	**4**	**If applicable**	**2**	**40**	**14**	**Case Study/Oral Examination**	**10**	**04**
2.	**DSC –VI**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
3.	**DSC –V**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
4.	**DSC -VI**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
5.	**IDS- II**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
6.	**AECC-IV**	**4**	**3.2+0.8***	**4**		**2**	**40**	**14**		**10**	**04**
7.	**AECC-EVS**	**4**	**3.2+0.8***	**4**		**3**	**70+30#**	**25+10**		**--**	**---**
8.	**SEC -IV**	**2**	**2**	**2**		**1**	**25**	**9**			
Total		**30**	**22.4+7.6* = 30**	**30**		---	**365**	---		**60**	
										SEE+IA=365+60 = 425	
Grand Total		**56**	**56**	**56**		**---**	**750**	**--**		**SEE+IA=630+120 = 750**	
Total Credits Required for Completing Level 6: 56 Credits											

(*Independent Students Workload, # 30 Marks Project Total 100 Marks)

DSC: Discipline Specific Core Course : Students can opt any two courses (Subjects) from DSC - C & DSC - D {Courses (subjects) which were opted in Part I (Sem I & Sem II)}
IDS : Inter Disciplinary Studies - Students can opt any one course (Subject) as per group chart of IDS.
AECC : Ability Enhancement Core Course **(Compulsory English)**&**AECC – EVS** : Ability Enhancement Compulsory Course – **Environmental Studies**
SEC : Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BoS letter dt. 12 Sep., 2022)

B.A. Programme Structure Semester V & VI

Structure for Level 7 of B.A.

Semester V

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSE –VII	4	3.2+0.8*	4	If applicable	2	40	14	Field Work/ Project Work	10	04
2.	DSE –VIII	4	3.2+0.8*	4		2	40	14		10	04
3.	DSE –IX	4	3.2+0.8*	4		2	40	14		10	04
4.	DSE –X	4	3.2+0.8*	4		2	40	14		10	04
5.	DSE -XI	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-V	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -V	2	2	2		1	25	9		--	---
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	

Semester VI

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSE-XII	4	3.2+0.8*	4	If applicable	2	40	14	Field Work/ Project Work/ Seminar	10	04
2.	DSE-XIII	4	3.2+0.8*	4		2	40	14		10	04
3.	DSE-XIV	4	3.2+0.8*	4		2	40	14		10	04
4.	DSE-XV	4	3.2+0.8*	4		2	40	14		10	04
5.	DSE-XVI	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-VI	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -VI	2	2	2		1	25	9			
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265 +60 = 325	
Grand Total		52	52	52		---	530	--		SEE+IA=530 + 120 = 650	
Total Credits Required for Completing Level 7: 52 Credits											
Total Credits for Completing Level 5, 6 & 7 of Bachelor of Arts Programme : 52+56+52=160											

(*Independent Students Workload)

DSE: Discipline Specific Elective - Students can opt any one course (Subject) from DSC {Course (subject) which was opted in Part II (Sem III & Sem IV)}(**Note : DSE paper No. VII to XVI are elective papers whereas, DSC Paper No. I to VI are core courses. Hence, DSE paper VII to XVI should be considered in continuation of DSC I to VI.)**

AECC : Ability Enhancement Core Course (**Compulsory English)**

(A) Non-Credit Self Study Course : Compulsory Civic Courses (CCC) For Sem V: CCC – II : Constitution of India and Local Self Government

(B) Non-Credit Self Study Course : Skill Development Courses (SDC) For Sem VI: SDC – II: Any one from following (vi) to (x) vi) Interview & Personal Presentation Skill, vii) Entrepreneurship Development Skill, viii) Travel & Tourism, ix) E-Banking & Financial Services, x) RTI & Human Right Education (HRE), IPR & Patents

SEC:Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BoS letter dt. 12 Sep., 2022)

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004,
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

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जा.क्र./शिवाजी वि./अ.मं./हिंदी/५९ दि.०५/११/२०२२

प्रति,

मा. प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/मान्यताप्राप्त संस्था,
शिवाजी विद्यापीठ, कोल्हापूर

विषय : बी. ए. व बी. कॉम भाग १ हिंदी (सक्तीचा) कोर्सच्या अभ्यासक्रमाबाबत...

महोदय,

उपरोक्त संदर्भिय विषयास अनुसरुन आपणास आदेशान्वये कळविण्यात येते की, शैक्षणिक वर्ष २०२२–२३ पासून लागू करण्यात आलेल्या **बी. ए. भाग १ हिंदी (सक्तीचा) कोर्सच्या** अभ्यासक्रमामध्ये किरकोळ दुरुस्ती करण्यात आलेली आहे. सोबत सदर अभ्यासक्रमाची प्रत जोडली आहे. तसेच विद्यापीठाच्या www.unishivaji.ac.in (Online Syllabus) या संकेतस्थळावर ठेवण्यात आला आहे.

सदर अभ्यासक्रम सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणून द्यावी ही विनंती.

कळावे,

आपला विश्वासू,

उपकुलसचिव

सोबत : अभ्यासक्रमाची प्रत.

प्रत : १. अधिष्ठाता, मानवविज्ञान विद्याशाखा.
२. समन्वयक, हिंदी अभ्यास मंडळ.
३. संचालक, परीक्षा व मुल्यमापन मंडळ कार्यालयास.
४. परिक्षक नियुक्ती ए व बी विभागास.
५. बी. ए. परीक्षा विभागास.
६. संगणक केंद्र/आय. टी. सेल विभागास.
७. दूरस्थ व ऑनलाईन शिक्षण विभाग.

माहितीसाठी व पुढील कार्यवाहीसाठी.

शिवाजी विश्वविद्यालय, कोल्हापुर

SHIVAJI UNIVERSITY, KOLHAPUR

हिंदी अध्ययन मण्डल

BOARD OF STUDIES

हिंदी (अनिवार्य)

कला, वाणिज्य विद्याशाखा

बी. ए. भाग –I

सत्र परीक्षा –I/II

(सत्र परीक्षा, श्रेणी तथा एनईपी २०२०)

(Semester, Credit and **2020 NEP** System)

शैक्षिक वर्ष 2022-23

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

प्रथम वर्ष (कला, वाणिज्य, विज्ञान एवं अन्य विद्याशाखा)

GENERIC ELECTIVE COURSE (GEC)

सृजनात्मक और व्यावहारिक हिंदी लेखन

हिंदी (अनिवार्य)

(शैक्षिक वर्ष : 2022–23)

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (NEP) के आलोक में किया गया है।)

प्रथम सत्र

प्रश्नपत्र – A : सृजनात्मक लेखन

उद्देश्य :

- हिंदी भाषा तथा व्याकरण का अध्ययन कराना।
- सृजनात्मक लेखन की विविध विधाओं–कविता, कहानी, यात्रावृत्त, रिपोर्ताज, साक्षात्कार, दृश्य–साहित्य, पत्रकारिता से परिचित कराना।
- सृजनात्मक लेखन के विविध क्षेत्रों का परिचय कराना।
- सृजनात्मक लेखन के विविध क्षेत्रों के महत्त्व तथा उपयोगिता से परिचित कराना।

अध्यापन पध्दति :

- व्याख्यान विश्लेषण।
- चर्चा–संगोष्ठी।
- संपादकों, उपसंपादकों तथा विद्वानों से साक्षात्कार।
- आई.सी.टी. का प्रयोग।

अध्ययनार्थ विषय :		Credit	Periods
इकाई –I	हिंदी भाषा तथा व्याकरण : सामान्य परिचय	01	15
	व्याकरण : लिंग, वचन, कारक, विरामचिह्न, वाक्य के प्रकार, मानक वर्तनी		
इकाई –II	कविता, कहानी तथा यात्रावृत्त लेखन स्वरूप, महत्त्व तथा उपयोगिता।	01	15
	कविता, कहानी तथा यात्रावृत्त के क्षेत्र– सामाजिक, राजनीतिक, सांस्कृतिक।		
इकाई –III	रिपोर्ताज और साक्षात्कार लेखन, स्वरूप, महत्त्व तथा उपयोगिता।	01	15
	रिपोर्ताज के क्षेत्र– वाणिज्य, विज्ञान, तकनीकी।		
	रिपोर्ताज के क्षेत्र– साहित्य तथा सामाजिक।		
इकाई –IV	दृश्य साहित्य लेखन तथा पत्रकारिता : स्वरूप, महत्त्व तथा उपयोगिता।	01	15
	दृश्य साहित्य लेखन के क्षेत्र– छायाचित्र, कार्टून (प्रश्नपत्र में संबंधित मद्दों पर चित्र दिया जाएगा)।		
	पत्रकारिता के प्रकार : खेल पत्रकारिता, सिनेमा पत्रकारिता, ग्रामीण पत्रकारिता।		

प्रश्नपत्र का स्वरूप तथा अंक विभाजन – अंक

प्रश्न 1 –	समग्र पाठ्यक्रम पर आठ बहुविकल्पी प्रश्न	08
प्रश्न 2 –	समग्र पाठ्यक्रम पर टिप्पणियॉ (तीन में से दो)	08
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न (तीन में से दो)	08
प्रश्न 4 –	अ) इकाई I और II पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08
	ब) इकाई III और IV पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08

* अंतर्गत मूल्यमापन परीक्षा– स्वाध्याय / युनिट टेस्ट / क्षेत्र भेट / मौखिकी 10

संदर्भ ग्रंथ :

- मानक हिंदी – ब्रजमोहन, वाणी प्रकाशन, नई दिल्ली ।
- संक्षिप्त हिंदी व्याकरण – कामता प्रसाद गुरू, साहित्य अकादमी, नई दिल्ली ।
- व्यावहारिक हिंदी व्याकरण– डॉ.हरदेव बाहरी, वाणी प्रकाशन, नई दिल्ली ।
- आधुनिक हिंदी साहित्य का इतिहास– बच्चनसिंह, वाणी प्रकाशन, नई दिल्ली ।
- साहित्यिक विधाएँ : सैद्धांतिक पक्ष – डॉ.मधु धवन, वाणी प्रकाशन, नई दिल्ली ।
- सुगम हिंदी व्याकरण – धर्मपाल शास्त्री, राजपाल एन्ड सन्स, नई दिल्ली ।
- व्यावहारिक हिंदी शुद्ध प्रयोग– डॉ.ओमप्रकाश, राजपाल एन्ड सन्स, नई दिल्ली।

द्वितीय सत्र

प्रश्नपत्र – **B** : व्यावहारिक लेखन

उद्देश्य :

- हिंदी के विविध रुपों का परिचय कराना।
- प्रयोजनमूलक हिंदी का परिचय कराना।
- पत्राचार का स्वरूप तथा प्रकारों का परिचय कराना।
- अनुवाद, विज्ञापन और समाचार लेखन से परिचित कराना।
- व्यावहारिक लेखन का महत्त्व तथा उपयोगिता से परिचित कराना।

अध्ययनार्थ विषय :		Credit	Periods
इकाई –**I**	हिंदी के विविध रुप तथा प्रयोजनमूलक हिंदी : मातृभाषा, संपर्क भाषा, राजभाषा, सर्जनात्मक भाषा, कार्यालयीन हिंदी, वाणिज्यिक हिंदी, विज्ञापन की हिंदी, वैज्ञानिक तथा तकनीकी साहित्य की हिंदी।	01	15
इकाई –**II**	पत्राचार : सामान्य परिचय रोजगार प्राप्ति हेतु आवेदन पत्र (सरकारी, अर्ध सरकारी तथा गैर सरकारी)	01	15
इकाई –**III**	अनुवाद और विज्ञापन : स्वरूप, प्रकार, महत्त्व, उपयोगिता।	01	15

	अनुवाद कार्य तथा विज्ञापन लेखन (विज्ञापन से संबंधित)		
इकाई –IV	समाचार लेखन तथा पत्रकारिता	01	15
	स्वरूप, उद्देश्य तथा तत्त्व		
	समाचार लेखन तथा पत्रकारिता : संपादन तथा साजसज्जा।		

प्रश्नपत्र का स्वरूप तथा अंक विभाजन –		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर आठ बहुविकल्पी प्रश्न।	08
प्रश्न 2 –	समग्र पाठ्यक्रम पर टिप्पणियॉ। (तीन में से दो)	08
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न। (तीन में से दो)	08
प्रश्न 4 –	अ) इकाई I और II पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08
	ब) इकाई III और IV पर दीर्घोत्तरी प्रश्न। (अंतर्गत विकल्प के साथ)	08

* अंतर्गत मूल्यमापन परीक्षा– स्वाध्याय / युनिट टेस्ट / क्षेत्र भेट / मौखिकी 10

संदर्भ ग्रंथ –

- समाचार एवं प्रारूप लेखन – डॉ.दिनेश गुप्त, राजकमल प्रकाशन, नई दिल्ली ।
- समाचार स्पंदन – कमल दीक्षित, महेश दर्पण, साहित्य अकादमी, नई दिल्ली ।
- प्रयोजनमूलक हिंदी विविध आयाम – डॉ.मनोज पांडेय, अकादमी प्रतिभा, नई दिल्ली ।

- व्यावसायिक संप्रेषण – डॉ.अनुपचंद्र पु. भयाणी, राजपाल एन्ड सन्स, कश्मिरी गेट, दिल्ली ।
- भाषा विज्ञान एवं हिंदी – डॉ.नरेश मिश्र, राजपाल एन्ड सन्स, कश्मिरी गेट, दिल्ली ।
- प्रामाणिक आलेखन और टिप्पण – प्रो.एम. ए. विराज, राजपाल एन्ड सन्स, कश्मिरी गेट, दिल्ली ।

SHIVAJI UNIVERSITY, KOLHAPUR

Under Graduate Programme Structure for Faculty of Humanities

Programme Structure for Bachelor of Arts (160 Credits)

SEM	Discipline Specific Core Courses (DSC) (Credits)	DSE/GEC/ OEC/IDS (Credits)	Ability Enhancement Compulsory Courses (AECC) / Languages (Credits)	Skill Enhancement Courses		Total Credits
				Skill Based Courses (Credits)	Value Based Courses (Credits)	
I	4 x 4 **(16 Credits)**	1 x 4 **(4 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -1 **(1 Credit)** Multidisciplinary	VBC **(1 Credit)**	**26**
II	4 x 4 **(16 Credits)**	1 x 4 **(4 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -2 **(2 Credits)** Multidisciplinary	---	**26**
Option 1: Exit with Certificate Course in Arts (With completion of courses equal to a minimum of 52 credits)						
III	4 x 4 **(16 Credits)**	(IDS) 1 x 4 **(4 Credits)**	2 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -3 **(2 Credits)** Multidisciplinary	---	**26**
IV	4 x 4 **(16 Credits)**	(IDS) 1 x 4 **(4 Credits)**	2 AECC (Comp. Eng.& EVS) 2 x 4 **(8 Credits)**	SEC -4 **(2 Credits)** Multidisciplinary	---	**30**
Option 2: Exit with Diploma Course in Arts (With completion of courses equal to a minimum of 108 credits)						
V	---	5 x 4 **(20 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -5 **(2 Credits)** Multidisciplinary	---	**26**
VI	---	5 x 4 **(20 Credits)**	1 AECC (Comp. Eng.) 1 x 4 **(4 Credits)**	SEC -6 **(2 Credits)** Multidisciplinary	---	**26**
Total Credits : 160						

DSC = Discipline Specific Core Course

DSE = Discipline Specific Elective (Elective courses offered under the main discipline/subject of study are referred to as *Discipline Specific Elective* course)

AECC = Ability Enhancement Compulsory Courses

SEC = Skill Enhancement Compulsory Courses SEC courses are value-based and / or skill-based and are aimed at providing hands-on- training, competencies, skills, etc.; These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

IDS = Inter Disciplinary Studies.

GEC = Generic Elective Course.

VBC = Value-Based Course.

B.A. Programme Structure Semester I & II

Structure for Level 5 of B.A.

Semester I

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max*	Min
1.	DSC –I	4	3.2+0.8*	4	If applicable	2	40	14	Assignment	10	04
2.	DSC –I	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –I	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -I	4	3.2+0.8*	4		2	40	14		10	04
5.	GEC- 1	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-1	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -I	1	1	1		0.5	12.5	4.5		--	---
8.	VBC-I	1	1	1		0.5	12.5	4.5		--	---
Total		26	20.2+5.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	

Semester II

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSC –II	4	3.2+0.8*	4	If applicable	2	40	14	Unit Test	10	04
2.	DSC –II	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –II	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -II	4	3.2+0.8*	4		2	40	14		10	04
5.	GEC- II	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-II	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -II	2	2	2		1	25	9		--	---
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	
Grand Total		52	52	52		---	530	--	---	SEE+IA=530+120 = 650	
Total Credits Required for Completing Level 5 : 52 Credits											

(*Independent Students' Workload)

DSC: Discipline Specific Core Course - Students can opt four courses (Subjects) from DSC.(B)

However, Students shall have to opt for at least one language course (subject) from DSC.(A)
GEC: Generic Elective Course - Students can opt any one course (Subject).
AECC: Ability Enhancement Core Course (Compulsory English).
(A) Non-Credit Self-Study Course : Compulsory Civic Courses (CCC) For Sem I: CCC – I : Democracy, Elections and Good Governance
(B) Non-Credit Self-Study Course : Skill Development Courses (SDC) For Sem II: SDC – I : Any one from following (i) to (v) i) Business Communication & Presentation ii) Event management iii) Personality Development, iv) Yoga & Physical Management v) Resume, Report & Proposal writing
SEC: Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BOS letter dt. 12 Sep., 2022) or from the basket of SEC made available by Shivaji University, Kolhapur.
VBC: Value-Based Course , Students have to Complete one VBC in Semester I of one credit.

B.A. Programme Structure Semester III & IV

Structure for Level 6 of B.A.

Semester III

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSC –III	4	3.2+0.8*	4	If applicable	2	40	14	Group Activity	10	04
2.	DSC -IV	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –III	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -IV	4	3.2+0.8*	4		2	40	14		10	04
5.	IDS- 1	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-III	4	3.2+0.8*	4		2	40	14		10	04
7.	AECC- EVS	--	--	--		--	--	--		--	---
8.	SEC -III	2	2	2		1	25	9		--	---
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265+60= 325	

Semester IV

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSC –V	4	3.2+0.8*	4	If applicable	2	40	14	Case Study/Oral Examination	10	04
2.	DSC –VI	4	3.2+0.8*	4		2	40	14		10	04
3.	DSC –V	4	3.2+0.8*	4		2	40	14		10	04
4.	DSC -VI	4	3.2+0.8*	4		2	40	14		10	04
5.	IDS- II	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-IV	4	3.2+0.8*	4		2	40	14		10	04
7.	AECC-EVS	4	3.2+0.8*	4		3	70+30#	25+10		--	---
8.	SEC -IV	2	2	2		1	25	9			
Total		30	22.4+7.6* = 30	30		---	365	---		60	
										SEE+IA=365+60 = 425	
Grand Total		56	56	56		---	750	--		SEE+IA=630+120 = 750	
Total Credits Required for Completing Level 6: 56 Credits											

(*Independent Students Workload, # 30 Marks Project Total 100 Marks)

DSC: Discipline Specific Core Course : Students can opt any two courses (Subjects) from DSC - C & DSC - D {Courses (subjects) which were opted in Part I (Sem I & Sem II)}
IDS : Inter Disciplinary Studies - Students can opt any one course (Subject) as per group chart of IDS.
AECC : Ability Enhancement Core Course **(Compulsory English)**&**AECC – EVS** : Ability Enhancement Compulsory Course – **Environmental Studies**
SEC : Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BoS letter dt. 12 Sep., 2022)

B.A. Programme Structure Semester V & VI

Structure for Level 7 of B.A.

Semester V

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSE –VII	4	3.2+0.8*	4	If applicable	2	40	14	Field Work/ Project Work	10	04
2.	DSE –VIII	4	3.2+0.8*	4		2	40	14		10	04
3.	DSE –IX	4	3.2+0.8*	4		2	40	14		10	04
4.	DSE –X	4	3.2+0.8*	4		2	40	14		10	04
5.	DSE -XI	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-V	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -V	2	2	2		1	25	9		--	---
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265+60 = 325	

Semester VI

Teaching Scheme						Examination Scheme					
Sr. NO.	Theory (TH)				Practical (PR)	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course Type	No. of Lectures	Hours	Credits	---	Paper Hours	Max	Min	Internal	Max	Min
1.	DSE-XII	4	3.2+0.8*	4	If applicable	2	40	14	Field Work/ Project Work/ Seminar	10	04
2.	DSE-XIII	4	3.2+0.8*	4		2	40	14		10	04
3.	DSE-XIV	4	3.2+0.8*	4		2	40	14		10	04
4.	DSE-XV	4	3.2+0.8*	4		2	40	14		10	04
5.	DSE-XVI	4	3.2+0.8*	4		2	40	14		10	04
6.	AECC-VI	4	3.2+0.8*	4		2	40	14		10	04
7.	SEC -VI	2	2	2		1	25	9			
Total		26	19.2+6.8* = 26	26		---	265	---		60	
										SEE+IA=265 +60 = 325	
Grand Total		52	52	52		---	530	--		SEE+IA=530 + 120 = 650	
Total Credits Required for Completing Level 7: 52 Credits											
Total Credits for Completing Level 5, 6 & 7 of Bachelor of Arts Programme : 52+56+52=160											

(*Independent Students Workload)

DSE: Discipline Specific Elective - Students can opt any one course (Subject) from DSC {Course

(subject) which was opted in Part II (Sem III & Sem IV)}(**Note : DSE paper No. VII to XVI are elective papers whereas, DSC Paper No. I to VI are core courses. Hence, DSE paper VII to XVI should be considered in continuation of DSC I to VI.)**
AECC : Ability Enhancement Core Course (**Compulsory English)**
(A) Non-Credit Self Study Course : Compulsory Civic Courses (CCC) For Sem V: CCC – II : Constitution of India and Local Self Government
(B) Non-Credit Self Study Course : Skill Development Courses (SDC) For Sem VI: SDC – II: Any one from following (vi) to (x) vi) Interview & Personal Presentation Skill, vii) Entrepreneurship Development Skill, viii) Travel & Tourism, ix) E-Banking & Financial Services, x) RTI & Human Right Education (HRE), IPR & Patents
SEC:Skill Enhancement Course , Students have to complete one SEC each in both Semesters selecting from the platforms suggested in NEP Regulations of Shivaji University, Kolhapur (Refer SUK BoS letter dt. 12 Sep., 2022)

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

2022 से पुनर्रचित पाठ्यक्रम की समकक्षता			
प्रथम वर्ष (कला, वाणिज्य, विज्ञान एवं अन्य विद्याशाखा)			
	हिंदी (आवश्यक)		हिंदी (अनिवार्य) (GEC)
अ.क्र.	पुराना पाठ्यक्रम	अ.क्र.	नया पाठ्यक्रम
1	सत्र – 1 अभ्यासपत्रिका क्र. A प्रयोजनमूलक हिंदी और कहानी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. A सर्जनात्मक लेखन
2	सत्र – 2 अभ्यासपत्रिका क्र. B प्रयोजनमूलक हिंदी और कहानी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. B व्यावहारिक लेखन
बी.ए. भाग – 1			
	हिंदी (ऐच्छिक)		हिंदी (विशेष ऐच्छिक) (DSEC)
1	सत्र – 1 अभ्यासपत्रिका क्र. 1 आधुनिक हिंदी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. 1 हिंदी कविता
2	सत्र – 2 अभ्यासपत्रिका क्र. 2 आधुनिक हिंदी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. 2 हिंदी गद्य साहित्य

शिवाजी विश्वविद्यालय, कोल्हापुर
हिंदी अध्ययन मंडल
द्वितीय वर्ष (कला विद्या शाखा)
Discipline Specific Elective course
हिंदी (ऐच्छिक)
(शैक्षिक वर्ष 2019–20, 2020–21, 2021–22)
(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (**CBCS**) के आलोक में किया गया है।)

तृतीय सत्र
प्रश्नपत्र – **3** अस्मितामूलक विमर्श और हिंदी गद्य साहित्य

उद्देश्य –

- कथा साहित्य का स्वरूप, तत्व एवं प्रकारों का अध्ययन कराना।
- समीक्षा मानदंडों के आधार पर कथा साहित्य का अध्ययन कराना।
- कथेतर साहित्य का समीक्षात्मक अध्ययन कराना।
- कथा और कथेतर साहित्य का वर्तमान प्रासंगिकता के साथ अध्ययन कराना।

अध्यापन पद्धति –

- व्याख्यान विश्लेषण।
- संपादकों, उपसंपादकों तथा विद्वानों से साक्षात्कार।
- चर्चा एवं संगोष्ठी।
- आई. सी. टी. का प्रयोग।

पाठ्यपुस्तक – गद्य संचयन – संपादक, हिंदी अध्ययन मंडल, शिवाजी विश्वविदयालय, कोल्हापुर, वाणी प्रकाशन, नई दिल्ली.

पाठ्य विषय–

- नारी विमर्श।
- दलित एवं अस्मिता मूलक विमर्श।
- विभाजन की त्रासदी ।

- **महान चरित्रों का परिचय।**
- **हिंदी विविध विधाओं का परिचय।**

इकाई–I कथा साहित्य –

1. जीती बाजी की हार – मन्नू भंडारी
2. गृह– प्रवेश – मिथिलेश्वर
3. घर की तलाश – राजेंद्र यादव

इकाई–II कथा साहित्य –

4. जॉर्ज पंचम की नाक – कमलेश्वर
5. पहाड – निर्मल वर्मा
6. सिक्का बदल गया – कृष्णा सोबती

इकाई–III कथेतर साहित्य –

7. अकेलापन और पार्थक्य (डायरी अंश) – गजानन माधव 'मुक्तिबोध'
8. घर लौटते हुए (आत्मकथा अंश) – हरिवंशराय बच्चन
9. धरती और धान (जीवनी अंश) – पाण्डेय बैचन शर्मा 'उग्र'

इकाई–IV कथेतर साहित्य –

10. अखबारी विज्ञापन(रेडियो नाटक) – चिरंजीत
11. वकील साहब (रेखाचित्र) – विनय मोहन शर्मा
12. महात्मा गांधी (संस्मरण) – रामकुमार वर्मा

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

		अंक
प्रश्न 1	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	कथा साहित्य पर ससंदर्भ स्पष्टीकरण (3 में से 2)	10

प्रश्न 3	पूरे पाठ्यक्रम लघुत्तरी प्रश्न (5 में से 3) (कथा साहित्य 2 और कथेतर साहित्य पर 3 प्रश्न)	15
प्रश्न 4	समग्र पाठ्यक्रम पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ) (कथा साहित्य 1 और कथेतर साहित्य पर 1 प्रश्न)	15

संदर्भ – ग्रंथ सूची

1. कथा साहित्य के प्रतिमान – डॉ. रोहिताश्व, अमन प्रकाशन, कानपुर।
2. निर्मल वर्मा का कथा साहित्य – डॉ. रघुनाथ शिरगावकर, अमन प्रकाशन,कानपुर।
3. कहानीकार कमलेश्वर : संदर्भ और प्रकृति – डॉ. सूर्यनारायण रणसुभे, विकास प्रकाशन, कानपुर।
4. साठोत्तरी कहानी में परिवार – डॉ. इंन्दु विरेन्द्रा, विकास प्रकाशन, कानपुर।
5. साहित्यिक विधाएँ : सैद्धातिक पक्ष – डॉ. धवन मधु, वाणी प्रकाशन, नई दिल्ली।
6. मन्नू भंडारी के साहित्य में चित्रित समस्याएँ – डॉ.सौ. माधवी जाधव, विद्या प्रकाशन, कानपुर।
7. कहानी स्वरूप और संवेदना– राजेंद्र यादव, नॅशनल पब्लिशिंग हाऊस, नई दिल्ली।
8. राजेंद्र यादव के कहानियों में चित्रित समस्याएँ– डॉ. अर्जुन चव्हाण, पूजा पब्लिकेशन, कानपुर ।
9. मिथिलेश्वर का कहानी जगत– डॉ. संजय चिंदगे, स्वच्छंद प्रकाशन, कोल्हापुर ।
10. मिथिलेश्वर की कहानियों में ग्रामीण यथार्थ –डॉ. वर्षा मिश्र, क्वालीटी बुक्स, कानपुर।
11. साहित्यिक विधाएँ : पुनर्विचार – डॉ. हरिमोहन, वाणी प्रकाशन, नई दिल्ली।
12. डॉ. हरिवंशराय बच्चन का आत्मकथात्मक साहित्य – डॉ. श्रीनिवास, विनय प्रकाशन, कानपुर।

13. गद्य की विविध विधाएँ– डॉ. बापूराव देसाई, विनय प्रकाशन, कानपुर।

14. राजेंद्र यादव का उखडे हुए लोग संवेदना एवं शिल्प – डॉ. मोहन सावंत, ए. बी.एस. पब्लिकेशन, वाराणसी।

15. हिंदी कहानी का समकालीन परिदृश्य – डॉ. वेदप्रकाश अमिताभ, विनय प्रकाशन, कानपुर।

शिवाजी विश्वविद्यालय, कोल्हापुर
हिंदी अध्ययन मंडल
द्वितीय वर्ष (कला विद्या शाखा)
Discipline Specific Elective course
हिंदी (ऐच्छिक)
(शैक्षिक वर्ष 2019–20, 2020–21, 2021–22)
(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (**CBCS**) के आलोक में किया गया है।)

तृतीय सत्र
प्रश्नपत्र – **4** हिंदी संतकाव्य तथा राष्ट्रीय काव्यधारा

उद्देश्य –

- छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना।
- छात्रों को मध्यकालीन हिंदी कवियों से परिचित कराना।
- छात्रों में नैतिक मूल्य, राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण करना।
- छात्रों को आधुनिक हिंदी कविता में चित्रित विविध विमर्शों से परिचित कराना ।

अध्यापन पद्धति –

1. व्याख्यान तथा विश्लेषण।
2. सस्वर काव्य पाठ, प्रकट वाचन, संवाद।
3. ग्रंथालयों के माध्यम से संबंधित लेखकों, कवियों की मौलिक कृतियों से छात्रों का परिचय।
4. दृक–श्राव्य साधनों/माध्यमों का प्रयोग।

पाठ्यपुस्तक – काव्यामृत, संपादक– हिंदी अध्ययन मंडल, शिवाजी विश्वविद्यालय, कोल्हापुर, वाणी प्रकाशन, नई दिल्ली।

पाठ्य विषय –

1. पठित दोहे एवं पदों की सटीक व्याख्या करना ।

2. मध्यकालीन संत कवियों का कार्य उजागर करना।
3. आधुनिक कविता के सामाजिक संदर्भ स्पष्ट करना।
4. आधुनिक कविता का समीक्षात्मक विश्लेषण करना ।

इकाई– मध्यकालीन काव्य–

1. कबीर के दोहे – 10
2. सूरदास के पद – 03
3. मीरा के पद – 03

इकाई–II मध्यकालीन काव्य–

4. घनानंद के पद – 03
5. रहीम के दोहे – 10
6. भूषण के पद – 03

इकाई–III आधुनिक हिंदी कविता –

7. तुकडोजी के पद – 02
8. यह तो शर्म की बात है – सुशीला टाकभौरे
9. तीली – उदय प्रकाश

इकाई–IV आधुनिक हिंदी कविता–

10. प्यार – सुधाकर मिश्र
11. गज़ल – हस्तिमल हस्ति
12. लता की शायरी – प्रकाश भोसले

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

		अंक
प्रश्न 1	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	आधुनिक हिंदी कविता पर ससंदर्भ स्पष्टीकरण (3 में से 2)	10
प्रश्न 3	पूरे पाठ्यक्रम पर लघुत्तरी प्रश्न (5 में से 3) (मध्यकालीन काव्य पर 03, आधुनिक हिंदी कविता पर 02)	15
प्रश्न 4	समग्र पाठ्यक्रम दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ) (मध्यकालीन काव्य पर 1 और आधुनिक हिंदी कविता पर 1 प्रश्न)	15

संदर्भ सूची

1. राष्ट्रसंत तुकडोजी के राष्ट्रीय विचार –डॉ. सौ. माधवी जाधव, विद्या प्रकाशन, कानपुर।
2. प्यार का पहला खत (प्रतिनिधि गजले) – हस्तीमल 'हस्ती', वाणी प्रकाशन, नई दिल्ली ।
3. मनीप्लांट और फूल– डॉ. सुधाकर मिश्र, नारायण प्रकाशन, वाराणसी।
4. लता की शायरी– प्रकाश रावसाहेब भोसले, अन्नपुर्णा प्रकाशन, कानपुर।
5. 'अनभै' – सं. रतनकुमार पाण्डेय, 31 जुलाई – सितम्बर 2011, (विशेष अंक सुधाकर मिश्र)
6. 'अनभै' – सं. रतनकुमार पाण्डेय जनवरी – जून 2017(विशेष अंक हस्तीमल 'हस्ती').
7. इक्कीसवीं सदी का हिंदी काव्य – डॉ. सौ. माधवी जाधव, विद्या प्रकाशन, कानपुर।

8. युगदृष्टा राष्ट्रसंत तुकडोजी का राष्ट्रीय जीवन निर्माण में योगदान – डॉ. दिनकर येवलेकर, विनय प्रकाशन, कानपुर।

9. विवके सरिता – राष्ट्रसंत श्री. तुकडोजी महाराज, श्री. गुरूदेव प्रकाशन, अमरावती।

10. हिंदी के प्रतिनिधि कवि – द्वारिकाप्रसाद सक्सेना, हिंदी बुक सेंटर, नई दिल्ली।

11. सुधाकर मिश्र की काव्य संवेदना – डॉ अवनीश सिंह, विनय प्रकाशन,कानपुर।

12. कुसुम अंसल के काव्य साहित्य मे चित्रित नारी – जीवन के विमर्श–डॉ. आर. पी. भोसले, पूजा प्रकाशन, कानपुर।

13. राष्ट्रीय भजनावली – राष्ट्रसंत श्री. तुकडोजी महाराज, श्री. गुरूदेव प्रकाशन, अमरावती।

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DISCIPLINE SPECIFIC ELECTIVE COURSE (DSEC)

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(- 2019-20, 2020-21 2021-22)

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1-100 तक मानक रूप में हिंदी गिनती

भारत की राजभाषा हिंदी देवनागरी लिपि में लिखी हुई होनी चाहिए, लेकिन गिनती अरेबिक अंक (1, 2, 3 u) में होनी चाहिए, देवनागरी (1 , 2, 3 u) में नहीं ।

(परिशिष्ट – 2)

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1. Auditorium -
2. Ability -
3. Art gallery -
4. Classic drama -
5. Colour photography-
6. Actor -
7. Children's song -
8. Comical song -
9. Casting director -
10.Puppet -
11.Hero -
12.Clown/ Zony - /
13.Advantage - ,
14.Blue chip company -
15.Broker - ,
16.Bear -
17.Artificial dearness -
18.Black marketing -
19.Bonus -
20.Custom -
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23.Advance -
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शिवाजी विश्वविद्यालय, कोल्हापुर
हिंदी अध्ययन मंडल
द्वितीय वर्ष (कला विद्या शाखा)
Discipline Specific Elective course
हिंदी (ऐच्छिक)
(शैक्षिक वर्ष 2019–20, 2020–21, 2021–22)
(प्रस्तुत पाठयक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (**CBCS**) के आलोक में किया गया है।)

चतुर्थ सत्र
प्रश्नपत्र – 6 अस्मितामूलक विमर्श और हिंदी पद्य साहित्य

पाठ्यपुस्तक –

- **कितने प्रश्न करूँ (खण्डकाव्य) – ममता कालिया**

उद्देश्य –

1. छात्रों को हिंदी कवियों से परिचित कराना।
2. छात्रों में हिंदी भाषा के श्रवण, पठन एवं लेखन की क्षमता को विकसित कराना।
3. छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना।
4. छात्रों में नैतिक मूल्य, राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण कराना।

अध्यापन पद्धति –

- व्याख्यान तथा विश्लेषण।
- सस्वर काव्य पाठ, प्रकट वाचन, संवाद।
- ग्रंथालयों के माध्यम से संबंधित कवि की मौलिक कृतियों से छात्रों का परिचय।
- दृक–श्राव्य साधनों/माध्यमों का प्रयोग।

पाठ्य पुस्तक – कितने प्रश्न करूँ (खण्डकाव्य) – ममता कालिया, वाणी प्रकाशन, नई दिल्ली।

पाठ्य विषय –

1. **पात्रों की चारित्रिक विशेषताओं को समझाना ।**
2. **आधुनिक बोध से अवगत कराना ।**
3. **खंडकाव्य का समीक्षात्मक विवेचन।**
4. **समानता की दृष्टि वृध्दिगत करना ।**

इकाई–I ममता कालिया का व्यक्तित्व एवं कृतित्व :–

1. ममता कालिया का जीवन परिचय।
2. ममता कालिया का व्यक्तित्व का परिचय।
3. ममता कालिया का कृतित्व।

इकाई–II

1. ' कितने प्रश्न करूँ' खण्डकाव्य का कथानक।
2. ' कितने प्रश्न करूँ' खण्डकाव्य में चित्रित पात्र एवं चरित्र चित्रण।
3. ' कितने प्रश्न करूँ' खण्डकाव्य के संवाद।

इकाई–III

1. ' कितने प्रश्न करूँ' खण्डकाव्य का देशकाल तथा वातावरण।
2. ' कितने प्रश्न करूँ' खण्डकाव्य की भाषा–शैली।
3. ' कितने प्रश्न करूँ' खण्डकाव्य का उद्देश्य।

इकाई–IV

1. ' कितने प्रश्न करूँ' 'खण्डकाव्य में चित्रित समसामायिकता।
2. ' कितने प्रश्न करूँ' खंण्डकाव्य की शीर्षक की सार्थकता।
3. ' कितने प्रश्न करूँ' खण्डकाव्य में चित्रित समस्याएँ।

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

		अंक
प्रश्न 1	' कितने प्रश्न करूँ' खण्डकाव्य पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	' कितने प्रश्न करूँ' खडकाव्य पर ससंदर्भ स्पष्टीकरण (3 में से 2)	10
प्रश्न 3	' कितने प्रश्न करूँ' खण्डकाव्य पर लघुत्तरी प्रश्न(5 में से 3)	15
प्रश्न 4	' कितने प्रश्न करूँ' खण्डकाव्य पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15

संदर्भ सूची

1. कविता के नए प्रतिमान – डॉ. नामवर सिंह
2. कविता का प्रतिसंसार – निर्मला जैन
3. आधुनिक खण्डकाव्यों में युग चेतना – डॉ. एन. डी. पाटील, विनय प्रकाशन, कानपुर।
4. ममता कालिया : व्यक्तित्व एवं कृतित्व – डॉ. फैमिदा बीजापुरे, विनय प्रकाशन, कानपुर।

शिवाजी विश्वविद्यालय, कोल्हापुर
हिंदी अध्ययन मंडल
द्वितीय वर्ष (आंतर विद्या शाखा)I.D.S.
तृतीय सत्र
प्रयोजनमूलक हिंदी
प्रश्नपत्र 1
(शैक्षिक वर्ष 2019–20, 2020–21, 2021–22)
(प्रस्तुत पाठयक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।)

उद्देश्य –

- हिंदी के व्यावहारिक पक्ष से परिचित कराना।
- वाणिज्यिक व्यवहार में हिंदी भाषा को प्रज्वलित कराना।
- हिंदी में कार्य करने की रूचि विकसित कराना।
- रोजगारोन्मुख शिक्षा प्रदान करना।
- राष्ट्रभाषा के प्रति रूचि उत्पन्न करना।
- कार्यालय और व्यवसाय में हिंदी प्रयोग का कौशल विकास विकसित करना।

अध्ययनार्थ विषय –

इकाई–I कार्यालयीन पत्राचार–

1. नौकरी के लिए आवेदन पत्र।
2. पदाधिकारियों के नाम पत्र।
3. छुट्टी के लिए प्रार्थना पत्र।
4. परिपत्र।

इकाई–II अनुवाद : सैद्धांतिक पक्ष –

1. अनुवाद की परिभाषा।
2. अनुवाद का स्वरूप।
3. अनुवाद की उपयोगिता।
4. अनुवादक के गुण।

इकाई–III समाचार का अनुवाद –

1. समाचार का अनुवाद।

2. अंग्रेजी एवं हिंदी अनुच्छेदों में से किसी एक का अनुवाद।

3. अंग्रेजी से हिंदी में अनुवाद(दो में से एक)

4. हिंदी से अंग्रेजी में अनुवाद (दो में से एक)

इकाई–IVमुद्रित संचार माध्यमों का सामान्य परिचय –

1. दै. समाचार पत्र 2.पत्र–पत्रिकाएँ

3.विज्ञापन 4.उद्घोषणा का सामान्य परिचय।

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

		अंक
प्रश्न 1	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न।	10
प्रश्न 2	इकाई **I** पर पत्रलेखन प्रश्न(3 में से 2)	10
प्रश्न 3	इकाई **IV** पर लघुत्तरी प्रश्न(3 में से 2)	15
प्रश्न 4	(अ) इकाई **II** पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10
	(आ) इकाई **III** पर अनुवाद लेखन। (हिंदी और अंग्रेजी अनुच्छेदों में से किसी एक का अनुवाद।)	05

❖ **संदर्भ ग्रंथ सूची –**

- हिंदी और उसका व्यवहार – डॉ. व्ही. के. मोरे – फडके प्रकाशन, कोल्हापुर।
- पत्रकारिता के सिद्धांत – डॉ. रमेशचंद्र त्रिपाठी, नमन प्रकाशन, नई दिल्ली।
- अनुवाद चिंतन – डॉ. अर्जुन चव्हाण, अमन प्रकाशन, कानपुर।
- प्रयोजनमूलक हिंदी – डॉ. विनोद गोदरे, वाणी प्रकाशन, नई दिल्ली।
- आधुनिक जनसंचार और हिंदी – प्रो. हरिमोहन, तक्षशिला प्रकाशन, नई दिल्ली।
- प्रयोजनमूलक हिंदी व्याकरण एवं पत्रलेखन – डॉ. बापूराव देसाई, विनय प्रकाशन, कानपुर।
- रोजगारोन्मुख हिंदी – डॉ. गणेश ठाकुर, विजय प्रकाशन, कानपुर।

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शिवाजी विश्वविद्यालय, कोल्हापुर
हिंदी अध्ययन मंडल
द्वितीय वर्ष (आंतर विद्या शाखा)I.D.S.
चतुर्थ सत्र
प्रयोजनमूलक हिंदी
प्रश्नपत्र 2
(शैक्षिक वर्ष 2019–20, 2020–21, 2021–22)
(प्रस्तुत पाठयक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।)

उद्देश्य –

- हिंदी के व्यावहारिक पक्ष से परिचित कराना।
- वाणिज्यिक व्यवहार में हिंदी भाषा को प्रज्वलित करना।
- हिंदी में कार्य करने की रूचि विकसित करना।
- रोजगारोन्मुख शिक्षा प्रदान करना।
- राष्ट्रभाषा के प्रति रूचि उत्पन्न करना।
- कार्यालय और व्यवसाय में हिंदी प्रयोग का कौशल विकास विकसित करना।

अध्ययनार्थ विषय –

इकाई–Iसंगणक का परिचय।

1. संगणक का सामान्य परिचय।
2. संगणक के उपयोग।
3. इंटरनेट सेवा । (प्रयोग विधि)
4. ई–मेल सेवा(प्रेषण एवं प्राप्ति)

इकाई–IIवृत्तांत लेखन।

1. महाविद्यालयीन समारोह का वृत्तांत लेखन।
2. सामाजिक समारोह का वृत्तांत लेखन।
3. प्राकृतिक आपदाओं का वृत्तांत लेखन।
4. दुर्घटनाओं का वृत्तांत लेखन।

इकाई–III वाणिज्य पत्राचार।

1. पूछताछ के पत्र।
2. क्रयादेश के पत्र।
3. संदर्भ के पत्र।
4. शिकायती पत्र।

इकाई–IVइलेक्ट्रॉनिक संचार माध्यम का सामान्य परिचय।

1. रेडिओ 2.दूरदर्शन 3. टेलीकॉफ्रेंस 4.डाक्यूमेंट्री का सामान्य परिचय। (तकनीकी जानकारी अपेक्षित नहीं है।)

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

		अंक
प्रश्न 1	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न।	10
प्रश्न 2	इकाई **I** विभाग पर प्रश्न (3 में से 2)	10
प्रश्न 3	इकाई **II** विभाग पर लघुत्तरी प्रश्न (3 में से 2)	15
प्रश्न 4	(अ) इकाई **III** पर पत्रलेखन (3 में से 2)	08
	(आ) इकाई **IV** पर प्रश्न (3 में से 2)	07

❖ **संदर्भ ग्रंथ सूची –**

- हिंदी और उसका व्यवहार – डॉ. व्ही. के. मोरे – फडके प्रकाशन, कोल्हापुर।
- पत्रकारिता के सिद्धांत – डॉ. रमेशचंद्र त्रिपाठी, नमन प्रकाशन, नई दिल्ली।
- अनुवाद चिंतन – डॉ. अर्जुन चव्हाण, अमन प्रकाशन, कानपुर।
- प्रयोजनमूलक हिंदी – डॉ. विनोद गोदरे, वाणी प्रकाशन, नई दिल्ली।
- आधुनिक जनसंचार और हिंदी – प्रो. हरिमोहन, तक्षशिला प्रकाशन, नई दिल्ली।
- प्रयोजनमूलक हिंदी विविध परिदृश्य – डॉ रमेशचंद्र त्रिपाठी, विनय प्रकाशन, कानपुर।

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शिवाजी विश्वविद्यालय, कोल्हापुर

D.S.E.C.

बी.ए.भाग–2 (हिंदी)

C.B.C.S.

जून 2019 पासून सुरू होणा-या सुधारित अभ्यासक्रम समकक्षता

अ.क्र.	जुना अभ्यासक्रम	नवीन अभ्यासक्रम
1	तीसरे सत्र अभ्यासप्रत्रिका क्रामांक 3 आधुनिक गद्य साहित्य	तीसरे सत्र अभ्यासपत्रिका क्रमांक 3 अस्मितामूलक विमर्श और हिंदी गद्य साहित्य
2	तीसरे सत्र अभ्यासपत्रिका क्रमांक 4 मध्यकालीन एवं आधुनिक काव्य	तीसरे सत्र अभ्यासपत्रिका क्रमांक 4 हिंदी संतकाव्य तथा राष्ट्रीय काव्य
3	चौथे सत्र अभ्यासपत्रिका क्रमांक 5 आधुनिक गद्य साहित्य	चौथे सत्र अभ्यासपत्रिका क्रमांक 5 हिंदी में रोजगार के अवसर
4	चौथे सत्र अभ्यासपत्रिका क्रमांक 6 आधुनिक काव्य	चौथे सत्र अभ्यासपत्रिका क्र. 6 अस्मितामूलक विमर्श और हिंदी पद्य साहित्य
5	प्रश्नपत्र –1,2 I.D.S. प्रयोजनमूलक हिंदी	प्रश्नपत्र –1,2 I.D.S. प्रयोजनमूलक हिंदी

SHIVAJI UNIVERSITY, KOLHAPUR.

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Syllabus For

B.A. Part - I

Hindi

(Syllabus to be implemented from June, 2018 onwards.)

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

प्रथम वर्ष (कला, वाणिज्य एवं अन्य विद्या शाखा)

GENERIC ELECTIVE COURSE (GEC)

हिंदी (अनिवार्य)

(शैक्षिक वर्ष : 2018–19, 2019–20 तथा 2020–21)

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।)

प्रथम सत्र

प्रश्नपत्र – A : सृजनात्मक लेखन

उद्देश्य :

- हिंदी भाषा तथा व्याकरण का अध्ययन कराना।
- सृजनात्मक लेखन की विविध विधाओं (कविता, कहानी, यात्रावृत्त, रिपोर्ताज, साक्षात्कार, दृश्य–साहित्य, पत्रकारिता) से परिचित कराना।
- सृजनात्मक लेखन के विविध क्षेत्रों का परिचय कराना।
- सृजनात्मक लेखन के विविध क्षेत्रों के महत्त्व तथा उपयोगिता से परिचित कराना।

अध्यापन पद्धति :–

- व्याख्यान विश्लेषण।
- चर्चा–संगोष्ठी।
- संपादकों, उपसंपादकों तथा विद्वानों से साक्षात्कार।
- आई.सी.टी. का प्रयोग।

अध्ययनार्थ विषय :

इकाई –I हिंदी भाषा तथा व्याकरण : सामान्य परिचय

व्याकरण : लिंग, वचन, कारक, विराम चिह्न, वाक्य के प्रकार, मानक वर्तनी

इकाई –II कविता, कहानी तथा यात्रावृत्त लेखनः स्वरूप, महत्त्व तथा उपयोगिता।

कविता, कहानी तथा यात्रावृत्त के क्षेत्र– सामाजिक, राजनीतिक, सांस्कृतिक।

इकाई –III रिपोर्ताज और साक्षात्कार लेखनः स्वरूप, महत्त्व तथा उपयोगिता।

रिपोर्ताज के क्षेत्र– वाणिज्य, विज्ञान, तकनीकी।

रिपोर्ताज के क्षेत्र– साहित्य तथा सामाजिक।

इकाई –IV दृश्य साहित्य लेखन तथा पत्रकारिता : स्वरूप, महत्त्व तथा उपयोगिता।

दृश्य साहित्य लेखन के क्षेत्र– छायाचित्र, कार्टून (प्रश्नपत्र में संबंधित मद्दों पर चित्र दिया जाएगा)।

पत्रकारिता के प्रकार : खेल पत्रकारिता, सिनेमा पत्रकारिता, ग्रामीण पत्रकारिता।

प्रश्नपत्र का स्वरूप तथा अंक विभाजन – अंक

प्रश्न 1 –	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2 –	समग्र पाठ्यक्रम पर टिप्पणियाँ (तीन में से दो)	10
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न (पाँच में से तीन)	15
प्रश्न 4 –	समग्र पाठ्यक्रम पर दीर्घोत्तरी प्रश्नः अ तथा ब – दोनों अनिवार्य (अंतर्गत विकल्प के साथ)	15

संदर्भ ग्रंथ :

- हिंदी भाषा – महावीर प्रसाद द्विवेदी
- हिंदी भाषा – इतिहास और स्वरूप– राजमाठी शर्मा
- मानक हिंदी – ब्रजमोहन
- संक्षिप्त हिंदी व्याकरण – कामता प्रसाद गुरू
- व्यावहारिक हिंदी व्याकरण– डॉ.हरदेव बाहरी
- आधुनिक हिंदी साहित्य का इतिहास– बच्चनसिंह
- साहित्यिक विधाएँ : पुनर्विचार – डॉ.हरिमोहन
- साहित्यिक विधाएँ : सैद्धांतिक पक्ष – डॉ.मधु धवन
- सुगम हिंदी व्याकरण – धर्मपाल शास्त्री
- हिंदी पत्रकारिता : स्वरूप एवं संदर्भ– डॉ.विनोद गोदरे
- व्यावहारिक हिंदी शुद्ध प्रयोग– डॉ.ओमप्रकाश
- व्यावहारिक हिंदी – रवींद्रनाथ श्रीवास्तव, भोलानाथ तिवारी
- खेल पत्रकारिता – सुशील दोशी, सुरेश कौशिक

द्वितीय सत्र

प्रश्नपत्र – B : व्यावहारिक लेखन

उद्देश्य :

- हिंदी के विविध रूपों का परिचय कराना।
- प्रयोजनमूलक हिंदी का परिचय कराना।
- पत्राचार का स्वरूप तथा प्रकारों का परिचय कराना।
- अनुवाद, विज्ञापन और समाचार लेखन से परिचित कराना।
- व्यावहारिक लेखन का महत्त्व तथा उपयोगिता से परिचित कराना।

अध्ययनार्थ विषय :

इकाई –I हिंदी के विविध रुप तथा प्रयोजनमूलक हिंदी : मातृभाषा, संपर्क भाषा, राजभाषा, सर्जनात्मक भाषा।

कार्यालयीन हिंदी, वाणिज्यिक हिंदी, विज्ञापन की हिंदी, वैज्ञानिक तथा तकनीकी साहित्य की हिंदी।

इकाई –II पत्राचार : सामान्य परिचय

रोजगार प्राप्ति हेतु आवेदन पत्र (सरकारी, अर्ध सरकारी तथा गैर सरकारी)।

इकाई –III अनुवाद और विज्ञापन : स्वरूप, प्रकार, महत्त्व, उपयोगिता।

अनुवाद कार्य तथा विज्ञापन लेखन (विज्ञापन से संबंधित)

इकाई –IV समाचार लेखन तथा पत्रकारिताः स्वरूप, उद्देश्य तथा तत्त्व।

समाचार लेखन और पत्रकारिता : संपादन तथा साजसज्जा।

प्रश्नपत्र का स्वरूप तथा अंक विभाजन –		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2 –	समग्र पाठ्यक्रम पर टिप्पणियाँ (तीन में से दो)	10
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न (पाँच में से तीन)	15
प्रश्न 4 –	समग्र पाठ्यक्रम पर दीर्घोत्तरी प्रश्न अ तथा ब – दोनों अनिवार्य	15

– संदर्भ ग्रंथ

- समाचार एवं प्रारूप लेखन – डॉ.रामप्रकाश, डॉ.दिनेश गुप्त
- प्रशासनिक एवं कार्यालयीन हिंदी – डॉ.रामप्रकाश, डॉ.दिनेश गुप्त
- समाचार संपादन – कमल दीक्षित, महेश दर्पण
- अनुवाद एवं संचार – डॉ. पूरनचंद टंडन
- विज्ञापन कला– डॉ.मधु धवन
- आधुनिक विज्ञापन – प्रेमचंद पातंजलि
- आधुनिक विज्ञापन और जन संपर्क – डॉ.तारेश भाटिया

- व्यावहारिक हिंदी और रचना – डॉ.कृष्णकुमार गोस्वामी
- प्रयोजनमूलक हिंदी विविध आयाम– डॉ.मनोज पांडेय
- व्यावसायिक संप्रेषण – डॉ.अनुपचंद्र पु. भयाणी
- प्रयोजनमूलक हिंदी – डॉ.नरेश मिश्र
- भाषा विज्ञान एवं हिंदी – डॉ.नरेश मिश्र
- प्रामाणिक आलेखन और टिप्पण – प्रो.एम. ए. विराज

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

प्रथम वर्ष कला– हिंदी (विशेष ऐच्छिक)

DISIPLINE SPECIFIC ELECTIVE COURSE (DSEC)

(शैक्षिक वर्ष : 2018–19, 2019–20 तथा 2020–21)

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।)

उद्देश्य :

1. छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना।
2. छात्रों को हिंदी के प्रतिनिधि गद्यकारों एवं कवियों से परिचित कराना।
3. छात्रों में हिंदी भाषा के श्रवण, पठन एवं लेखन की क्षमताओं को विकसित कराना।
4. निबंध, कहानी, रेखाचित्र, एकांकी, रिपोर्ताज, संस्मरण, व्यंग्य आदि विधाओं के माध्यम से छात्रों का भावात्मक विकास कराना।
5. छात्रों में नैतिक मूल्य, राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण करना।
6. छात्रों में राष्ट्र के प्रति प्रेम, राष्ट्रीय ऐक्य स्थापना एवं सामाजिक प्रतिबद्धता हेतु राष्ट्रभाषा हिंदी का प्रचार–प्रसार करना।
7. छात्रों की विचार क्षमता तथा कल्पनाशीलता को बढ़ावा देना।

अध्यापन पद्धति :

1. व्याख्यान तथा विश्लेषण।
2. सस्वर काव्य पाठ, प्रकट वाचन, संवाद।
3. ग्रंथालयों के माध्यम से संबंधित लेखकों, कवियों की मौलिक कृतियों से छात्रों का परिचय।
4. दृक–श्राव्य साधनों/माध्यमों का प्रयोग।
5. संगोष्ठी, स्वाध्याय तथा गुटचर्चा।
6. पी.पी.टी./भाषा प्रयोगशाला का प्रयोग।
7. विशेषज्ञों के व्याख्यान, साक्षात्कार तथा प्रश्नावली।

पाठ्यपुस्तक – साहित्य जगत्

संपादक एवं प्रकाशक,

शिवाजी विश्वविद्यालय, कोल्हापुर।

प्रथम सत्र : विशेष ऐच्छिक प्रश्नपत्र–I

हिंदी कविता

अध्ययनार्थ पद्यपाठ :

इकाई –I
1. भिक्षुक – निराला
2. बालिका का परिचय– सुभद्राकुमारी चौहान
3. तेरी खोपडी के अंदर – नागार्जुन
4. वसंत आ गया– अज्ञेय

इकाई –II 5. अजीब–सी मुश्किल – कुंवर नारायण

6. पैदल आदमी– रघुवीर सहाय

7. बीस साल बाद – धूमिल

8. घर की याद – राजेश जोशी

इकाई –III 9. हो गई है पीर – दुष्यंतकुमार

10. माँ जब खाना परोसती थी – चंद्रकांत देवताले

11. एकलव्य – किर्ति चौधरी

12. बेजगह – अनामिका

इकाई –IV 13. नया बैंक – मंगलेश डबराल

14. सत्ता – उदय प्रकाश

15. स्त्री मुक्ति की मशाल – रजनी तिलक

16. बाजार – जया जादवानी

प्रश्नपत्र का स्वरूप तथा अंक विभाजन :		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2 –	समग्र पाठ्यक्रम पर ससंदर्भ स्पष्टीकरण (तीन में से दो)	10
प्रश्न 3 –	समग्र पाठ्यक्रम पर लघुत्तरी प्रश्न (पाँच में से तीन)	15
प्रश्न 4 –	समग्र पाठ्यक्रम पर दीर्घोत्तरी प्रश्न अ तथा ब – दोनों अनिवार्य (अंतर्गत विकल्प के साथ)	15

द्वितीय सत्र : विशेष ऐच्छिक प्रश्नपत्र –II

हिंदी गद्य साहित्य

अध्ययनार्थ गद्य पाठ :

इकाई –I
1. जीवन और शिक्षण (निबंध) – विनोबा भावे
2. सूरदास (निबंध) – बाबू श्यामसुंदर दास
3. विज्ञापन युग (निबंध) – मोहन राकेश

इकाई –II
4. भगत की गत (व्यंग्य) – हरिशंकर परसाई
5. फुटपाथ के कलाकार (व्यंग्य) – शरद जोशी
6. गोशाला चारा और सरपंच (व्यंग्य) – शंकर पुणतांबेकर

इकाई –III
7. पंचलाईट (कहानी) – फणीश्वरनाथ 'रेणु'
8. चीफ की दावत (कहानी) – भीष्म सहानी
9. अकेली (कहानी) – मन्नू भंडारी

इकाई –IV
10. संस्कार और भावना (एकांकी) – विष्णु प्रभाकर
11. रजिया (रेखाचित्र) – रामवृक्ष बेनीपुरी
12. किसान के घर से (यात्रा संवाद) – मधु कांकरिया

प्रश्नपत्र का स्वरूप तथा अंक विभाजन :		अंक
प्रश्न 1 –	समग्र पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2 –	समग्र पाठ्यक्रम पर ससंदर्भ स्पष्टीकरण (तीन में से दो)	10
प्रश्न 3 –	समग्र पाठ्यक्रम पर टिप्पणियाँ (पाँच में से तीन)	15
प्रश्न 4 –	समग्र पाठ्यक्रम पर प्रश्न अ तथा ब – दोनों अनिवार्य (अंतर्गत विकल्प के साथ)	15

संदर्भ ग्रंथ–

1. हिंदी निबंधों का शैलीगत अध्ययन – डॉ.मु.ब.शहा
2. कहानी स्वरूप और संवेदना – राजेंद्र यादव
3. शरद जोशी का व्यंग्य साहित्य – डॉ.सूर्यकांत शिंदे
4. रेणु का कथा साहित्य – सुरेश चंद्र मेहरोत्रा
5. कथाकार भीष्म सहानी – डॉ.कृष्णा पटेल
6. मोहन राकेश और उनका साहित्य – डॉ.कविता शनवारे
7. एकांकीकार विष्णु प्रभाकर – डॉ.संजय चोपडे
8. हिंदी व्यंग्य परंपरा में शंकर पुणतांबेकर का योगदान – डॉ.अनुपमा प्रभुणे
9. रामवृक्ष बेनीपुरी और उनका साहित्य – डॉ.गजानन चव्हाण
10. हिंदी के आधुनिक प्रतिनिधि कवि – द्वारिकाप्रसाद सक्सेना
11. नागार्जुन की कविता – अजय तिवारी
12. क्रांतिकारी कवि निराला – डॉ.बच्चनसिंह
13. धूमिल की काव्य यात्रा – मंजू अग्रवाल
14. नई कविता के प्रमुख हस्ताक्षर – डॉ.संतोषकुमार तिवारी
15. अज्ञेय की कविता : एक मूल्यांकन – डॉ.चंद्रकांत बांदिवडेकर

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

हिंदी अध्ययन मंडल

जून, 2018 से पुनर्रचित पाठ्यक्रम की समकक्षता			
प्रथम वर्ष (कला, वाणिज्य, विज्ञान एवं अन्य विद्याशाखा)			
	हिंदी (आवश्यक)		हिंदी (अनिवार्य) (GEC)
अ.क्र.	पुराना पाठ्यक्रम	अ.क्र.	नया पाठ्यक्रम
1	सत्र – 1 अभ्यासपत्रिका क्र. A प्रयोजनमूलक हिंदी और कहानी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. A सर्जनात्मक लेखन
2	सत्र – 2 अभ्यासपत्रिका क्र. B प्रयोजनमूलक हिंदी और कहानी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. B व्यावहारिक लेखन
बी.ए. भाग – 1			
	हिंदी (ऐच्छिक)		हिंदी (विशेष ऐच्छिक) (DSEC)
1	सत्र – 1 अभ्यासपत्रिका क्र. 1 आधुनिक हिंदी साहित्य	1	सत्र – 1 अभ्यासपत्रिका क्र. 1 हिंदी कविता
2	सत्र – 2 अभ्यासपत्रिका क्र. 2 आधुनिक हिंदी साहित्य	2	सत्र – 2 अभ्यासपत्रिका क्र. 2 हिंदी गद्य साहित्य

शिवाजी विश्वविद्यालय, कोल्हापुर

बी.ए. भाग 2 हिंदी

सेमिस्टर – III

पेपर नं. 3 - आधुनिक गद्य साहित्य

अध्यापन - जून 2014 से

पाठ्यपुस्तक – साहित्य सौरभ,
संपादन, शिवाजी विश्वविद्यालय, कोल्हापुर
प्रथम संस्करण, जून 2014

युनिट 1		कथा साहित्य	
	1	बडे घर की बेटी	प्रेमचंद
	2	पत्नी	जैनेंद्र
	3	दुखवा मैं कासे कहूँ ?	आचार्य चतुरसेन
युनिट 2		कथा साहित्य	
	4	भेडिये	भुवनेश्वर प्रसाद
	5	शादी का जोकर	अब्दुल बिस्मिल्लाह
	6	जिनावर	ओमप्रकाश वाल्मीकि
युनिट 3		कथेतर साहित्य	
	1	नाखून क्यों बढते हैं ? (निबंध)	हजारीप्रसाद द्विवेदी
	2	नये संसार के अग्रदूत (संस्मरण)	भीष्म सहानी
	3	बहुत दिनों बाद (डायरी)	रामदरश मिश्र
युनिट 4		कथेतर साहित्य	
	4	देशसेवा के अखाडे में (हास्य–व्यंग्य)	सूर्यबाला
	5	विवेकानंद (जीवनी)	रामनाथ 'सुमन'
	6	स्वर्णिम गौरव–गाथा (रेडियो नाटक)	चिरंजीत

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न–1		पूरे पाठ्यक्रम पर पाँच बहुविकल्पी प्रश्न	05
प्रश्न–2		'कथा साहित्य' पर ससंदर्भ प्रश्न (पॉच में से तीन)	15
प्रश्न–3		'कथेतर साहित्य' पर लघुत्तरी प्रश्न (पॉच में से तीन)	15
प्रश्न–4		'कथा साहित्य' और 'कथेतर साहित्य' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15
			50

शिवाजी विश्वविद्यालय, कोल्हापुर

बी.ए. भाग 2 हिंदी

सेमिस्टर – **III**

पेपर नं. 4 - मध्यकालीन एवं आधुनिक काव्य

अध्यापन - जून 2014 से

पाठ्यपुस्तक – हिंदी काव्यधारा
संपादन, शिवाजी विश्वविद्यालय, कोल्हापुर
प्रथम संस्करण - जून 2014

युनिट 1		मध्यकालीन काव्य	
	1	कबीर के पद	
	2	तुलसीदास के पद	
	3	सूरदास के पद	
युनिट 2		मध्यकालीन काव्य	
	4	मीरा के पद	
	5	बिहारी के दोहे	
	6	वृंद के दोहे	
युनिट 3		आधुनिक काव्य	
	1	भारत महिमा	जयशंकर प्रसाद
	2	स्नेह पथ	भवानीप्रसाद मिश्र
	3	अंधियार ढलकर ही रहेगा	नीरज
	4	इत्यादि	राजेश जोशी
युनिट 4		आधुनिक काव्य	
	5	पुत्रमोह	निर्मला गर्ग
	6	गाली	सुशीला टाकभौरे
	7	पानी क्या कर रहा है ?	नरेश सक्सेना
	8	गजल	जहीर कुरेशी

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

	प्रश्न–1	पूरे पाठ्यक्रम पर पाँच बहुविकल्पी प्रश्न	05
	प्रश्न–2	'आधुनिक काव्य' पर ससंदर्भ प्रश्न (पॉच में से तीन)	15
	प्रश्न–3	'मध्यकालीन काव्य' पर लघुत्तरी प्रश्न (पॉच में से तीन)	15
	प्रश्न–4	'मध्यकालीन काव्य' एवं 'आधुनिक काव्य' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15
			50

शिवाजी विश्वविद्यालय, कोल्हापुर

बी.ए. भाग 2 हिंदी

सेमिस्टर –IV

पेपर नं. 5 - आधुनिक गद्य साहित्य

अध्यापन-जून 2014 से

पाठ्यपुस्तकें –

1.	बिना दीवारों के घर (नाटक) - मन्नू भंडारी,	2.	कल दिल्ली की बारी है (नाटक) - श्रवणकुमार गोस्वामी
	राधाकृष्ण प्रकाशन प्रा.लि.		विनय प्रकाशन, 3 A-128,
	अन्सारी रोड दरिया गंज, नई दिल्ली-110002.		हंसपुरम् कानपुर – 21.

युनिट 1		बिना दीवारों के घर	
	1	नाटककार का परिचय एवं कथावस्तु	
	2	चरित्र -चित्रण एवं संवाद	
	3	देशकाल तथा वातावरण	
युनिट 2		बिना दीवारों के घर	
	4	उद्देश्य एवं शीर्षक की सार्थकता	
	5	भाषा -शैली	
	6	अभिनय एवं रस	
युनिट 3		कल दिल्ली की बारी है	
	1	नाटककार का परिचय एवं कथावस्तु	
	2	चरित्र -चित्रण एवं संवाद	
	3	देशकाल तथा वातावरण	
युनिट 4		कल दिल्ली की बारी है	
	4	उद्देश्य एवं शीर्षक की सार्थकता	
	5	भाषा -शैली	
	6	अभिनय एवं रस	

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

	प्रश्न–1	पुरे पाठयक्रम पर पाँच बहुविकल्पी प्रश्न	05
	प्रश्न–2	' बिना दीवारों के घर ' पर ससंदर्भ प्रश्न (पॉच में से तीन)	15
	प्रश्न–3	' कल दिल्ली की बारी है ' पर लघुत्तरी प्रश्न (पॉच में से तीन)	15
	प्रश्न–4	'बिना दीवारों के घर ' ' कल दिल्ली की बारी है ' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15
			50

शिवाजी विश्वविद्यालय, कोल्हापुर

बी.ए. भाग 2 हिंदी

सेमिस्टर –IV

पेपर नं. 6 - आधुनिक काव्य

अध्यापन-जून 2014 से

पाठ्यपुस्तकें –

1	सैरन्ध्री (खण्डकाव्य) –	2	तुलसीदास (लम्बी कविता)
	मैथिलीशरण गुप्त		सूर्यकांत त्रिपाठी 'निराला'
	साहित्य सदन प्रकाशन, चिरगाँव (झाँसी)		भारती भण्डार प्रकाशन,
			लीडर प्रेस, इलाहाबाद

युनिट 1		सैरन्ध्री	
	1	कवि परिचय एवं कथावस्तु	
	2	चरित्र – चित्रण	
	3	संवाद	
युनिट 2		सैरन्ध्री	
	4	देशकाल तथा वातावरण	
	5	रस-वर्णन एवं उद्देश्य	
	6	भाषा -शैली	
युनिट 3		तुलसीदास	
	1	कवि परिचय	
	2	कविता का भावार्थ	
	3	कविता में चित्रित चरित्र	
युनिट 4		तुलसीदास	
	4	कविता का भाषा-शैली	
	5	कविता में चित्रित आधुनिक बोध	
	6	कविता का उद्देश्य	

प्रश्नपत्र का स्वरूप एवं अंक विभाजन			
	प्रश्न–1	पूरे पाठयक्रम पर पाँच बहुविकल्पी प्रश्न	05
	प्रश्न–2	'सैरन्ध्री' पर ससंदर्भ प्रश्न (पॉच में से तीन)	15
	प्रश्न–3	'तुलसीदास' पर लघुत्तरी प्रश्न (पॉच में से तीन)	15
	प्रश्न–4	'सैरन्ध्री' एवं 'तुलसीदास' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15
			50

आधार / संदर्भ ग्रंथ	
1	प्रतिनिधि कहानियॉ – जैनेंद्र
2	शादी के जोकर – अब्दल बिस्मिल्लाह
3	अब्दुल बिस्मिल्लाह का कथा साहित्य – डॉ वसीम मकानी, चंद्रलोक प्रकाशन, कानपुर –208021
4	सलाम – ओमप्रकाश वाल्मीकि, राधाकृष्ण प्रकाशन
5	कल्पकता (निबंध संग्रह) – हजारीप्रसाद द्विवेदी
6	कथा लेखिका सूर्यबाला– डॉ.मोनिका संतोष डावर, विशाल प्रकाशन, गंगा विहार, दिल्ली – 110094
7	हिंदी हास्य – व्यंग्य संकलन – संपादक, श्रीलाल शुक्ल
8	सात राष्ट्रीय रेडिओ नाटक – चिरंजीत, भारतीय प्रकाशन संस्थान, दिल्ली
9	स्कंदगुप्त (नाटक) – जयशंकर प्रसाद
10	आज के लोकप्रिय कविः नीरज – संपादन
11	दो पंक्तियों के बीच (कविता संग्रह) – राजेश जोशी
12	कबाडी का तराजू (कविता संग्रह) – निर्मला गर्ग
13	यह तुम भी जानो (कविता संग्रह) – सुशीला टाकभौरे, स्वराज प्रकाशन, दिल्ली
14	सूनो चारूशीला (कविता संग्रह) – नरेश सक्सेना
15	भीड में सबसे अलग (गजल संग्रह) – जहीर कुरेशी
16	गजलकार जहीर कुरेशी की दृष्टी – डॉ. मधु खराटे, विद्याप्रकाशन, कानपुर
17	आधुनिक हिंदी कविता में गजल – सुश्री लता गुरव, विनय प्रकाशन, कानपूर.
18	कविता आज – ए. अरविंदाक्षन, आनंद प्रकाशन, कोलकाता – 700 007
19	हिंदी महिला काव्य – श्रीमती अनुराधा कुलकर्णी, अन्नपुर्णा प्रकाशन, कानपुर – 208014
20	हिंदी महिला नाटककार – डॉ. भगवान जाधव, ए.बी.एस.प्रकाशन वाराणसी
21	हिंदी मराठी महिला नाटयलेखन में नारीवाद – डॉ.आर.जी.देसाई, ए.बी.एस., वाराणसी – 221007
22	समकालीन हिंदी नाटक – डॉ.जशवंत भाई डी.पंड्या, ज्ञान प्रकाशन, कानपुर
23	मन्नू भंडारी – सृजन के शिखर – किताब घर प्रकाशन, नई दिल्ली
24	मन्नू भंडारी का रचनात्मक अवधान – किताब घर प्रकाशन, नई दिल्ली
25	श्रवणकुमार गोस्वामी का औपन्यासिक समाजशास्त्र –' डॉ. सुनील बनसोडे, विद्या प्रकाशन, कानपूर.
26	हिंदी की लम्बी कविताओं का आलोचना पक्ष – राजेंद्रप्रसाद सिंह, राजकमल प्रकाशन, दिल्ली
27	हिंदी की चुनी हुई लम्बी कविताओं पर बातचीत – राजेंद्रप्रसाद सिंह अमन प्रकाशन, प्रकाशन
28	दीर्घ कविताऍ – सं. सुरेशकुमार जैन

समकक्षता

	बी. ए. भाग 2 हिंदी (ऐच्छिक) समकक्षता		
	सुधारित अभ्यासक्रम		**जुना अभ्यासक्रम**
1	तीसरे सत्र अभ्यासपत्रिका क्रमांक 3 **आधुनिक गद्य साहित्य**	1	तीसरे सत्र अभ्यासपत्रिका क्रमांक 3 **आधुनिक गद्य साहित्य**
2	तीसरे सत्र अभ्यासपत्रिका क्रमांक 4 **मध्यकालीन एवं आधुनिक काव्य**	2	तीसरे सत्र अभ्यासपत्रिका क्रमांक 4 **मध्यकालीन एवं आधुनिक काव्य**
3	चौथे सत्र अभ्यासपत्रिका क्रमांक 5 **आधुनिक गद्य साहित्य**	3	चौथे सत्र अभ्यासपत्रिका क्रमांक 5 **आधुनिक गद्य साहित्य**
4	चौथे सत्र अभ्यासपत्रिका क्रमांक 6 **आधुनिक काव्य**	4	चौथे सत्र अभ्यासपत्रिका क्रमांक 6 **मध्यकालीन एवं आधुनिक काव्य**

बी.ए. भाग – 2 सेमिस्टर III
हिंदी (आंतर विद्याशाखा) I.D.S.
पेपर नं. 1 - प्रयोजनमूलक हिंदी
जून 2011 से

उद्देश्य :–

1.हिंदी के व्यावहारिक पक्ष से परिचित करना।
2.वाणिज्यिक व्यवहार में हिंदी भाषा को प्रज्वलीत करना।
3.हिंदी में कार्य करने की रुची विकसित करना।
4.रोजगारोन्मुख शिक्षा प्रदान करना।
5.राष्ट्रभाषा के प्रति रुचि उत्पन्न करना।
6.कार्यालय और व्यवसाय में हिंदी प्रयोग का कौशल विकसित करना।

अध्ययनार्थ विषय :–

युनिट 1 :– (क) पत्राचार :–

1	नौकरी के लिए आवेदन पत्र।	4	पूछताछ पत्र।
2	पदाधिकारियों के नाम पत्र।	5	क्यादेश पत्र।
3	छुट्टी कें लिए प्रार्थना पत्र।	6	शिकायत पत्र।

युनिट 2 :– (ख) अनुवाद :–

अ) सैध्दान्तिक पक्ष :–

1	अनुवाद – परिभाषा एवं स्वरुप।
2	अनुवाद की उपयोगिता।
3	अनुवाद के गुण।

युनिट 3 :– आ) व्यावहारिक पक्ष

	समाचार का अनुवाद।		अंग्रेजी एवं हिंदी परिच्छेदों में से किसी एक का अनुवाद।
	अंग्रेजी से हिंदी (दो में से एक)		हिंदी से अंग्रेजी (दो में से एक)

युनिट 4 :– (ग) संचार माध्यम :– सामान्य परिचय

अ) मुद्रित संचार माध्यम :– दै.समाचार पत्र तथा पत्र – पत्रिकाओं का सामान्य परिचय।

आ) इलेक्ट्रॉनिक माध्यम :– रेडिओ तथा दूरदर्शन का सामान्य परिचय। (तकनीकी जानकारी अपेक्षित नहीं)

प्रश्नपत्र का स्वरुप :–

	अंक
प्रश्न –1 पूरे पाठ्यक्रम पर पॉच वस्तुनिष्ठ प्रश्न।	05
प्रश्न –2 'क' विभाग पर (3 में से 2) पत्रलेखन।	20
प्रश्न –3 'ग' विभाग पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न –4 'ख' –विभाग पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10
'ख' –विभाग पर अनुवाद लेखन –	
हिंदी और अंग्रेजी अनुच्छेदों में से किसी एक का अनुवाद।	05
	.....
	50

बी.ए. भाग – 2 सेमिस्टर IV
हिंदी (आंतर विद्याशाखा) I.D.S.
पेपर नं. 2 - प्रयोजनमूलक हिंदी

युनिट 5 :–

(क) संगणक :– परिचय।

संगणक का सामान्य परिचय।
संगणक के उपयोग।
इंटरनेट सेवा। (प्रयोग विधि)
ई–मेल सेवा। (प्रेषण एवं प्राप्ति)

युनिट 6 :–

(ख) वृत्तांत लेखन।

अ) महाविदयालयीन एवं सामाजिक समारोह का वृत्तांत लेखन।
आ) प्राकृतिक आपदाएँ एवं दुर्घटनाओं का वृत्तांत लेखन

युनिट 7 :–

(ग) पारिभाषिक शब्दावली।

1 – पारिभाषिक शब्द। (50) (अंग्रेजी से हिंदी)

परिशिष्ट – 1

1	Keyboard	कुंजीपटल	26	Niece	भांजी
2	Web	जाल	27	Pleader	वकील
3	Adjustment Bond	समायोजन बॉड	28	Client	मोवाक्किल
4	Auction Market	नीलामी बाजार	29	Son-in-law	दामाद
5	Advances	अग्रिम राशि	30	Step mother	सौतेली माता
6	Boom	तेजी	31	Affidavit	शपथ पत्र
7	Assessment	कर निर्धारण	32	Appendix	परिशिष्ट
8	Clearance	निकासी	33	Advance remittance	अग्रिम प्रेषण
9	Currency	मुद्रा	34	Bridge loan	पूरक ऋण
10	Assets	परिसंपत्ति	35	Growth rate	वृध्दि दर
11	Barter	वस्तुविनिमय	36	Payee	आदाता
12	Bourse	विदेशी मुद्रा बाजार	37	Cottage industry	कुटीर उद्योग
13	Barren Money	निष्फल धन	38	Promotion	पदोन्नति
14	Artisan	कारीगर / शिल्पी	39	Agenda	कार्यसूचि
15	By Product	उपोत्पाद	40	Stamp Seal	मोहर
16	Account heads	खाता शीर्ष	41	Cardamom	इलायची
17	Advice loans	तदर्थ ऋण	42	Pickle	अचार

18	Apex Bank	शिखर / शीर्ष बैंक	43	Salad	रायता
19	Bad Coin	खोटा सिक्का	44	Almond	बादाम
20	Balance Due	बकाया रक्कम	45	Turmeric	हल्दी
21	Cashier	रोकडिया / खजांची	46	Pearl	मोती
22	Cash Credit	नकद ऋण	47	Sapphire	नीलम
23	Central Audit	केंद्रीय लेखा परीक्षण	48	Attestations	साक्षांकन
24	Heir	वारिस	49	Brain drain	प्रतिभा पलायन
25	Mother-in-law	सास	50	Liaison officer	संपर्क अधिकारी

युनिट 8 :–

2 – पारिभाषिक वाक्यांश। (30) (अंग्रजी से हिंदी)

परिशिष्ट – 2

1	As Above	उपर्युक्तानुसार	16	For consideration	विचारार्थ
2	According to	के अनुसार	17	For perusal	अवलोकनार्थ
3	Administrate approval may be obtained	प्रशासकी अनुमोदन प्राप्त किया जाय।	18	Forwarded and recommitted	सिफारिश के साथ अग्रेषित।
4	All rights reserved	सर्वाधिकार सुरक्षित	19	I am directed to say	मुझे कहने का निदेश हुआ है।
5	Approved as proposed	यथा प्रस्तावित अनुमोदित	20	In connection with	के संबंध में
6	As a matter of fact	वस्तुतः	21	In favour of	के पक्ष में
7	As early as possible	यथा संभव शीघ्र	22	In lien of	के बदले में
8	As the case may be	यथा स्थिति	23	Knowingly and Wishfully	जान बुझकर और स्वेच्छापूर्वक
9	Breach of orders	आदेश का उल्लंघन	24	May be obtained	प्राप्त करे
10	By orders	के आदेश से	25	Sanctioned as proposed	प्रस्तावानुसार मंजूर
11	Change of Venue	स्थान में परिवर्तन	26	Submitted for perusal	अवलोकनार्थ प्रस्तुत
12	Deemed to	समझा जाय।	27	This is to certify	प्रमाणित किया जाता
13	Delay is regretted	विलंब के लिए खेद है।	28	To the best of may belief	अपने पूर्ण विश्वास के साथ
14	Disposal of a case	मामले का निपटारा	29	With due regard	का उचित ध्यान

					रखते हुए
15	Duly verified	यथाविधि सत्यापित	30	Zeal to work with	उत्साह के साथ

प्रश्नपत्र का स्वरूप

	अंक
प्रश्न – 1 पूरे पाठ्यक्रम पर पॉच वस्तुनिष्ठ प्रश्न।	05
प्रश्न – 2 'क' विभाग पर तीन में से दो।	20
प्रश्न – 3 'ख' विभाग पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न – 4 पारिभाषिक शब्द (10)	15
पारिभाषिक वाक्यांश (05)	
	50

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)

जून 2015 से लागू

हिंदी स्पेशल

विधा विशेष का अध्ययन

उद्देश्य :–

- उपन्यास और आत्मकथा के तात्विक स्वरूप का परिचय देना ।
- उपन्यासकार एवं आत्मकथाकार के व्यक्तित्व एवं कृतित्व से परिचित कराना ।
- रचना विशेष का महत्त्व समझने एवं मूल्यांकन करने की क्षमता बढ़ाना ।
- रचना के आस्वादन एवं समीक्षन की क्षमता विकसित कराना ।
- पाठ्यक्रम में निर्धारित उपन्यास एवं आत्मकथन की प्रासंगिकता से अवगत कराना ।

सत्र – V (प्रश्नपत्र क्र. VII)

अध्ययनार्थ विषय :–

पाठ्यपुस्तक : आना इस देश (उपन्यास) : कृष्णा अग्निहोत्री,
अमन प्रकाशन, 104, A/80, सी.रामबाग, कानपुर –12

युनिट – 1. कृष्णा अग्निहोत्री का जीवन परिचय, व्यक्तित्व, कृतित्व एवं उपन्यासकार कृष्णा अग्निहोत्री का सामान्य परिचय ।

युनिट – 2. ' आना इस देश :– कथावस्तु एवं शीर्षक '।

युनिट – 3. ' आना इस देश :– पात्र एवं चरित्र चित्रण तथा संवाद।

युनिट – 4. ' आना इस देश :– देशकाल तथा वातावरण, भाषा–शैली, उद्देश्य एवं समस्याएँ ।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	पूरे पाठ्यक्रमपर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	' आना इस देश ' पर ससंदर्भ प्रश्न (3 में से 2)	10
प्रश्न 3	' आना इस देश ' एवं कृष्णा अग्निहोत्री पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 4	' आना इस देश ' पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

सत्र – VI प्रश्नपत्र – XII
विधा विशेष का अध्ययन

अध्ययनार्थ विषय :–

पाठ्यपुस्तक – दोहरा अभिशाप (आत्मकथात्मक उपन्यास) – कौसल्या बैसंत्री
परमेश्वरी प्रकाशन, बी–109, प्रीत विहार,
दिल्ली–1100092

युनिट – 1 कौसल्या बैसंत्री का जीवन परिचय, व्यक्तित्व, कृतित्व एवं आत्मकथाकार कौसल्या बैसंत्री का सामान्य परिचय ।

2 दोहरा अभिशाप : कथावस्तु एवं शीर्षक ।

3 दोहरा अभिशाप : पात्र एवं चरित्र चित्रण तथा संवाद।

4 दोहरा अभिशाप : देशकाल तथा वातावरण, भाषा–शैली, उद्देश्य एवं समस्याएँ।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	पूरे पाठ्यक्रमपर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	' दोहरा अभिशाप ' पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	' दोहरा अभिशाप ' पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	' दोहरा अभिशाप ' पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

संदर्भ ग्रंथ

1. हिंदी उपन्यास : उद्भव और विकास डॉ. सुरेश सिन्हा
2. हिंदी उपन्यास : एक अंतर्यात्रा – डॉ. रामदरश मिश्र
3. हिंदी उपन्यास : स्थिति और गति – डॉ. चंद्रकांत बांदिवडेकर
4. महिला आत्मकथा लेखन में नारी – डॉ. रघुनाथ देसाई
5. हिंदी आत्मकथा – डॉ. सविता सिंह
6. कृष्णा अग्निहोत्री : संपूर्ण साहित्य का मूल्यांकन – डॉ. निहारे गिते
7. दलित साहित्य विविध आयाम – डॉ. सुनिता साखरे
8. दलित साहित्य : प्रकृति और संदर्भ – डॉ. संजय नवले, डॉ. गिरीश काशिद

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2015 से लागू
हिंदी स्पेशल
साहित्यशास्त्र

- **उद्देश्य :–**

1. साहित्य की मर्म ग्राहिणी क्षमता का विकास कराना ।
2. काव्य विभिन्न अंगो का सामान्य परिचय कराना ।
3. साहित्य समीक्षा की दृष्टि विकसित कराना ।
4. भारतीय तथा पाश्चात्य समीक्षा सिध्दातों तथा हिंदी आलोचना की विविध प्रणालियों का ज्ञान प्राप्त करना ।

सत्र – V - प्रश्नपत्र VIII

अध्ययनार्थ विषय :–

युनिट–1 काव्य/साहित्य – स्वरूप, तत्त्व, प्रयोजन, काव्य के प्रकार (दृश्य एंव श्रव्य काव्य संक्षिप्त परिचय)।

युनिट–2 शब्द शक्ति , काव्य गुण, काव्य दोष ।

युनिट–3 रसः स्वरूप, रस के अंग, रस के भेद ।

युनिट–4 अलंकार : शब्दालंकार – अनुप्रास, श्लेष, वक्रोक्ति, यमक ।
अर्थालंकार–उपमा, रूपक, दृष्टांत, अर्थांतरन्यास ।
(लक्षण और उदाहरण अपेक्षित है, उपभेदों का अध्ययन अपेक्षित नहीं)

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 1 और 3 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 4 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 1 और 3 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

सत्र–VI (प्रश्नपत्र XIII)
साहित्यशास्त्र

अध्ययनार्थ विषय :–

युनिट 1

1) महाकाव्य : भारतीय और पश्चिमी तत्त्व।
2) प्रगीत : स्वरूप, तत्त्व और भेद।
3) गजल : स्वरूप, प्रमुख अंग।

युनिट–2

1) नाटकः पश्चिमी तत्त्व
2) उपन्यासः स्वरूप, तत्त्व और प्रकार।
3) डायरी : स्वरूप, तत्त्व और प्रकार।

युनिट–3

1) आलोचना स्वरूप
2) आलोचना के प्रकार
(सैध्दांतिक, मनोवैज्ञानिक, तुलनात्मक, मार्क्सवादी)
3) आलोचक के गुण

युनिट–4 छंद
मात्रिक : दोहा, तोमर, रोला, छाप्पय
वर्णिक : भुजंगप्रयात, इंद्रव्रजा, शार्दुलविक्रीडित, स्रग्धरा
(लक्षण और उदाहरण अपेक्षित है)

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 1 और 2 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 3 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 4 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 1 और 2 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

संदर्भ ग्रंथ : –
1. काव्यशास्त्र – भगीरथ मिश्र
2. काव्य के अंग – डॉ. लक्ष्मीदत्त गौतम
3. भारतीय काव्यशास्त्र के सिंद्धांत – डॉ. कृष्णदेव शर्मा
4. साहित्यशास्त्र – डॉ. नारायण शर्मा
5. रस सिध्दांत – डॉ. आनंद प्रकाश दीक्षित
6. पाश्चात्य काव्यशास्त्र – डॉ. बच्चनसिंह
7. पाश्चात्य काव्यशास्त्र के सिद्धांत – डॉ. शांतिस्वरूप गुप्त
8. भारतीय काव्यशास्त्र भूमिका भाग – 1 2 – डॉ. नगेंद्र

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2015 से लागू
हिंदी स्पेशल

हिंदी साहित्य का इतिहास (सन 2000 ई.तक)

सत्र–V (प्रश्नपत्र IX)

अध्ययनार्थ विषय :–

युनिट–1 आदिकाल

1) आदिकाल का नामकरण और सामाजिक परिस्थितियॉ
2) आदिकाल की राजनीतिक परिस्थितियॉ
3) आदिकाल की प्रतिनिधि रचनाएँः पृथ्वीराज रासो एवं बीसलदेव रासो का सामान्य परिचय।

युनिट–2 भक्तिकालः–

1) भक्तिकालीन सामाजिक पारिस्थितियॉ
2) भक्तिकालीन राजनीतिक, परिस्थितियॉ
3) भक्तिकालीन कवियों का सामान्य परिचय (नामदेव, रैदास, नंददास, मीरॉ)

युनिट–3 निर्गुण भक्तिधारा

1) निर्गुण भक्तिधारा की सामान्य विशेषताएँ
2) कबीरः व्यक्तित्व और कृतित्व।
3) जायसीः व्यक्तित्व और कृतित्व।

युनिट–4 सगुण भक्तिधारा

1) सगुण भक्तिधारा की सामान्य विशेषताएँ
2) तुलसीदासः व्यक्तित्व और कृतित्व।
3) सूरदासः व्यक्तित्व और कृतित्व।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 3 और 4 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 1 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 2 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 3 और 4 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

सत्र–VI (प्रश्नपत्र XIV)
हिंदी साहित्य का इतिहास (सन 2000 ई. तक)

अध्ययनार्थ विषय :–

युनिट–1 रीतिकाल–

1) रीतिकाल : – नामकरण एवं सामाजिक परिस्थितियॉ
2) रीतिकाल : – राजनीतिक परिस्थितियॉ
3) प्रतिनिधि कवियों का सामान्य परिचय :– केशवदास, मतिराम, देव, बिहारी

युनिट–2 आधुनिक काल :–

1) आधुनिककालीन सामाजिक पारिस्थितियॉ
2) आधुनिककालीन राजनीतिक परिस्थितियॉ
3) युगप्रर्वतक साहित्यकार : भारतेन्दु, आ.महावीरप्रसाद द्विवेदी, जयशंकर प्रसाद, अज्ञेय ।

युनिट–3 गद्य विधाओं का विकास

1) उपन्यास साहित्य 2) कहानी साहित्य
3) नाटक साहित्य 4) आत्मकथा साहित्य

युनिट–4 काव्य की विभिन्न काव्यधाराओं की विशेषताएँ।

1) छायावाद 2) प्रगतिवाद
3) प्रयोगवाद 4) साठोत्तरी कविता

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 3 और 4 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 1 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 2 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 3 और 4 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

- **संदर्भ पुस्तकें :–**

1. हिन्दी साहित्य का इतिहास – आचार्य रामचंद्र शुक्ल
2. हिन्दी साहित्य का इतिहास – डॉ. नगेन्द्र
3. हिन्दी साहित्य की प्रवृत्तियॉ – डॉ. जयकिशन खण्डेलवाल
4. हिन्दी साहित्य की भूमिका – डॉ. हजारीप्रसाद द्विवेदी
5. हिन्दी साहित्य का इतिहास – डॉ. बच्चनसिंह
6. हिन्दी साहित्य का वैज्ञानिक इतिहास – डॉ. गणपतिचंद्र गुप्त
7. हिन्दी साहित्य : युग और प्रवृत्तियॉ – डॉ. शिवकुमार शर्मा
8. हिन्दी साहित्य का सही इतिहास – डॉ. चन्द्रभानु सोनवणे
9. द्वितीय महायुद्धोत्तर हिन्दी साहित्य – डॉ. लक्ष्मीसागर वार्ष्णेय
10. हिन्दी नाटक उद्भव और विकास – डॉ. दशरथ ओझा
11. हिन्दी साहित्य का इतिहास – संपादक–डॉ. नगेन्द्र,

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2015 से लागू
हिंदी स्पेशल

प्रयोजनमूलक हिंदी

सत्र–V (प्रश्नपत्र X)

अध्ययनार्थ विषय :–

युनिट–1 पारिभाषिक शब्दावली :–
दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों के हिंदी पर्यायवाची रूप।
(परिशिष्ट में दिए हुए 'अ' तथा 'ब' विभाग के 50 शब्द)

युनिट–2 संदर्भ स्त्रोतों का सामान्य परिचय –
1) शब्द कोश
2) विश्व कोश
3) मुहावरें और कहावते कोश
4) पारिभाषिक शब्दकोश
5) समांतर कोश (थिसारस)

युनिट 3) जनसंचार मुद्रित माध्यमों का सामान्य परिचय –
1) समाचार पत्र
2) पत्र पत्रिकाएँ
3) विज्ञापन
4) रिपोर्ताज
5) उद्घोषणा

युनिट 4) वृत्तांत लेखनः–
1) महाविद्यालयीन समारोह। 2) सामाजिक समारोह।
3) प्राकृतिक आपदाएँ । 4) दूर्घटनाओं का वृत्तांत लेखन।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	पारिभाषिक शब्दावली पर पॉच वस्तुनिष्ठ प्रश्न	05
प्रश्न 2	युनिट 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 3 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 4 पर दीर्घोतरी प्रश्न (दो वृत्तांत लेखन)	15

परिशिष्ट

पारिभाषिक शब्दावली –

(अ)	**संचार माध्यम संबंधी शब्द –**		
1.	Adless Paper	:	विज्ञापनरहित पत्र एवं पत्रिका
2.	Abstract bulletin	:	संक्षिप्त समाचार
3.	Advt. media	:	विज्ञापन माध्यम
4.	Airproof Paper	:	वातरूध्द कागज
5.	Automatic Composing	:	स्वचल मुद्रायोजन
6.	Binding	:	जिल्दसाजी
7.	Blank paper	:	अमुद्रित पृष्ठ
8.	Block letter	:	स्थुलाक्षर
9.	Black list	:	काली सूची
10.	Blue Journalism	:	नील पत्रकारिता
11.	Caption	:	शीर्षक , चित्रपरिचय
12.	Cartoon	:	व्यंग्यचित्र
13.	Catch line	:	शेषांश (शीर्षक)
14.	Column	:	स्तंभ
15.	Comic paper	:	हास्य समाचार पत्र
16.	City news	:	नगर समाचार
17.	Composing	:	अक्षरयोजन
18.	Water colour paper	:	जलरंग पेपर
19.	Wedding column	:	विवाहस्तंभ
20.	Weekly news paper	:	साप्ताहिक समाचारपत्र
21.	Weekly	:	साप्ताहिक
22.	Watermark paper	:	जलांक पेपर
23.	Waxed paper	:	मोमी कागज
24.	Wearing of letter	:	अक्षर का मिटाना
25.	Wad stock	:	कारतुसी कागज

(ब)	**शिक्षा, सभा और संमेलन संबंधी शब्द –**		
1.	Academic Council	:	विद्या परिषद
2.	Academic dean	:	शैक्षिक संकाय
3.	Admission	:	प्रवेश, दाखिला
4.	Additional	:	अतिरिक्त
5.	Agenda	:	कार्यसूची
6.	Attach	:	संलग्न करना
7.	Bachelor	:	स्नातक
8.	Backward tribes	:	पिछडी, आदिम जातियॉ
9.	Brain drain	:	प्रतिभा पलायन
10.	Bureaucratic	:	नौकरशाही

11.	Briefly	:	संक्षेप में
12.	Call-bell	:	बुलावा घंटी
13.	Casual leave	:	आकस्मिक छुट्टी
14.	Charity	:	दान
15.	Civics	:	नागरिक शास्त्र
16.	Colloquial	:	बोलचाल की भाषा
17.	Complexity	:	जटिलता
18.	Audiance	:	श्रोतागण
19.	Delighted	:	आल्हादित
20.	Delay	:	विलंब
21.	Departure	:	प्रस्थान
22.	Inauguration	:	उद्घाटन
23.	Minutes	:	कार्यवृत्त
24.	Symposium	:	संगोष्ठि
25.	Wisdom	:	ज्ञान

सत्र–VI (प्रश्नपत्र XV)
प्रयोजनमूलक हिंदी

अध्ययनार्थ विषय :–

युनिट–1 पारिभाषिक शब्दावली–

दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों एवं पदनामों के हिंदी पर्यायवाची रूप। परिशिष्ट में दिए हुए 'क' तथा 'ड' विभाग के शब्द एवं पदनाम।

युनिट 2 :– संदर्भ स्त्रोतों का सामान्य परिचय

1) इंटरनेट 2) फेसबुक 3) व्हॉटस्अप 4) ट्विटर 5) ई–मेल

युनिट–3) जनसंचार इलेक्ट्रॉनिक माध्यमों का सामान्य परिचय :–

1) रेडिओ 2) दूरदर्शन 3) डाक्यूमेंटरी 4) टेली कॉफ्रेंस

युनिट 4) अनुवाद

1) अनुवाद स्वरूप और परिभाषा 2) अनुवाद का महत्त्व

3) अनुवाद के प्रकार (विषय क्षेत्र के आधार पर) 4) अनुवादक के गुण

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	पारिभाषिक शब्दावली पर पॉच वस्तुनिष्ठ प्रश्न	05
प्रश्न 2	युनिट 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 3 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 4 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

परिशिष्ट

(क)	कार्यालय तथा बैंक संबंधी शब्द –		
1.	Allot	:	आबंटन करना
2.	Allotment letter	:	शेयर आबंटन पत्र
3.	Advance	:	अग्रिम, पेशगी
4.	Advantage	:	लाभ फायदा
5.	Broker	:	ब्रोकर, आढतिया, दलाल
6.	Buyer	:	खरीददार, क्रेता
7.	Below average	:	औसत से कम
8.	Benefit	:	लाभ
9.	Bidder	:	बोली लगानेवाला
10.	Bonus	:	लाभांश
11.	Balance	:	बाकी, शेष, संतुलन

12.	Commercial Bank	:	वाणिज्य बैंक
13.	Currency	:	चलमुद्रा, मुद्रा
14.	Customer	:	ग्राहक
15.	Capital	:	पूँजी
16.	Clearance	:	निकासी
17.	Currence inflation	:	मुद्रास्फिति
18.	Custom	:	सीमा शुल्क
19.	Cashier	:	रोकडिया
20.	Cash – Credit	:	नकद उधार
21.	Cent per cent	:	शतप्रतिशत
22.	Centralization	:	केन्द्रीकरण
23.	Cheap money policy	:	अल्प व्याज उधार नीति, सस्तीमुद्रा
24.	Cheaper rate	:	सस्तीदर, कमदर
25.	Cheque Book	:	चेकबुक

(ड)	**पदनाम संबंधी शब्द –**		
1.	Adviser	:	सलाहकार
2.	Additional Secretary	:	अतिरिक्त सचिव
3.	Assistant Director	:	सहायक निदेशक
4.	Administrative officer	:	प्रशासकीय अधिकारी
5.	Assistant Education Officer	:	सहायक शिक्षा अधिकारी
6.	Accounts officer	:	लेखा अधिकारी
7.	Accountant	:	लेखाकार
8.	Auditor	:	लेखापरीक्षक
9.	Attorney General	:	महान्यायवादी
10.	Allotment officer	:	नियतन अधिकारी
11.	Census officer	:	जनगणना अधिकारी
12.	Commissioner	:	आयुक्त
13.	Deputy Minister	:	उपमंत्री
14.	Director General	:	महानिदेशक
15.	Stenographer	:	आशुलिपिक
16.	Section officer	:	अनुभाग अधिकारी
17.	Section Superintendent	:	अनुभाग अधीक्षक
18.	Minister of state	:	राज्यमंत्री
19.	Marketing officer	:	विपनण अधिकारी
20.	Meteorolaist	:	मौसम विज्ञानी
21.	Mineralogist	:	खनिज विज्ञानी
22.	Public Relation Officer	:	जनसंपर्क अधिकारी

23.	President	:	राष्ट्रपति
24.	Prime Minister	:	प्रधानमंत्री
25.	Personal Assistant	:	निजी सहायक

- **संदर्भ ग्रंथ सूची :–**

1. प्रयोजनमूलक हिन्दी – डॉ. विनोद गोदरे, वाणी प्रकाशन, नई दिल्ली ।
2. प्रयोजनमूलक हिन्दी – विविध परिदृश्य – डॉ. रमेशचंद्र त्रिपाठी, डॉ. पवन अग्रवाल, अलका प्रकाशन, कानपुर ।
3. व्यवसायिक हिन्दी – श्री. दुबे और प्रभाकर गुप्ता, नेशनल पब्लिशिंग हाऊस, नई दिल्ली ।
4. मिडिया में कैरियर : पी. के. आर्य, ग्रंथ अकादमी, नई दिल्ली – 110 002 ।
5. जनसंचार : कल और आज – चंद्रकांत सरदाना /कृषि मेहता, ज्ञानगंगा, चावडी बाजार, दिल्ली ।
6. पत्रकारिता के सिद्धांत : डॉ. रमेशचंद्र त्रिपाठी, नमन प्रकाशन, दरियागंज, नई दिल्ली – 110 002 ।
7. मिडियाकालीन हिन्दी : स्वरूप एवं संभावनाएँ – डॉ. अर्जुन चव्हाण, राधाकृष्ण प्रकाशन, नई दिल्ली ।
8. इलेक्ट्रॉनिक्स् मिडिया एवं सूचना प्रौद्योगिकी : डॉ. यू. सी. गुप्ता, अर्जुन पब्लिशिंग हाऊस, दरियागंज, नई दिल्ली ।
9. पत्रकारिता : विविध विधाएँ : डॉ. राजकुमारी रानी, जयभारती प्रकाशन, इलाहाबाद – 211 003 ।
10. आधुनिक जनसंचार और हिंदी – प्रो. हरिमोहन तक्षशिला प्रकाशन, नई दिल्ली
11. अनुवाद विज्ञान : डॉ. भोलानाथ तिवारी, किताब घर, दिल्ली ।
12. अनुवाद सिद्धांत की रूपरेखा : डॉ. सुरेशकुमार, वाणी प्रकाशन, दिल्ली ।

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2015 से लागू
हिंदी स्पेशल
भाषा विज्ञान एवं हिंदी भाषा

- **उद्देश्य :–**

1. भाषा के विविध रूपों का परिचय कराना ।
2. भाषाविज्ञान का सामान्य परिचय कराना ।
3. हिंदी भाषा एवं लिपि के उद्भव और विकास का परिचय कराना ।
4. भाषा की शुद्धता के प्रति छात्रों को जागृत कराना ।
5. मानक हिंदी वर्तनी और व्याकरण से छात्रों को परिचित कराना ।

सत्र–V (प्रश्नपत्र XI)

अध्ययनार्थ विषय :–

युनिट–1 1) भाषा की परिभाषाएँ
2) भाषा की विशेषताएँ
3) भाषा की उत्पत्ति एवं तत्संबंधी विविध वाद :
दैवी उत्पत्तिवाद, धातु सिद्धांत, अनुकरण सिद्धांत, संपर्क सिद्धांत तथा समन्वित (समन्वय) सिद्धांत

युनिट–2 1) भाषा की परिवर्तनशिलता के कारण
2) भाषा के विविध रूप–बोली और परिनिष्ठित भाषा
3) बोलियों के बनने के कारण।
4) बोली और भाषा में अंतर।

युनिट–3 1) हिंदी भाषा का उद्भव और विकास।
2) हिंदी का शब्दसमूह।
3) हिंदी भाषा के विविध रूप (राष्ट्रभाषा, राजभाषा, संपर्क भाषा)
4) विश्व भाषा के रूप में हिंदी

युनिट– 4 1) हिंदी की बोलियॉं (अवधी, ब्रज, खडी बोली, भोजपुरी, दक्खिनी)
2) लिपि विकास का सामान्य परिचय।
3) देवनागरी लिपि की वैज्ञानिकता।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 1 और 2 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 3 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 4 पर टिप्पणियॉं (3 में से 2)	10
प्रश्न 4	युनिट 1 और 2 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

सत्र–VI (प्रश्नपत्र XVI)
भाषा विज्ञान एवं हिंदी भाषा

अध्ययनार्थ विषय :–

युनिट–1 1) भाषाविज्ञान की परिभाषाएँ 2) भाषाविज्ञान के अध्ययन का महत्त्व
3) भाषाविज्ञान की वैज्ञानिकता

युनिट–2 1) भाषाविज्ञान के प्रधान अंगों का परिचय
(ध्वनिविज्ञान, पदविज्ञान, शब्दविज्ञान, वाक्यविज्ञान,
अर्थविज्ञान तथा प्रोक्तिविज्ञान)

युनिट–3 भाषाविज्ञान का अन्य ज्ञान–विज्ञानों से संबंध
1) भाषाविज्ञान और साहित्य। 2) भाषाविज्ञान और व्याकरण।
3) भाषाविज्ञान और समाजविज्ञान। 4) भाषाविज्ञान और मनोविज्ञान।
5) भाषाविज्ञान और इतिहास। 6) भाषाविज्ञान और भूगोल।

युनिट–4 व्याकरण
1) कारकों के अर्थ और प्रयोग। 2) पदक्रम।
3) विराम–चिह्न (केवल अल्पविराम, निर्देशक (डैश) और अवतरण चिह्न)
4) मानक वर्तनी के नियम।

	प्रश्नपत्र का स्वरूप एवं अंक विभाजन	
प्रश्न 1	युनिट 1 और 3 पर पॉच बहुविकल्पी प्रश्न	05
प्रश्न 2	युनिट 4 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	युनिट 2 पर टिप्पणियॉ (3 में से 2)	10
प्रश्न 4	युनिट 1 और 3 पर दीर्घोतरी प्रश्न (अंतगर्त विकल्प के साथ)	15

संदर्भ ग्रंथ सूची –

1. भाषाविज्ञान – डॉ. भोलानाथ तिवारी ।
2. भाषाविज्ञान की भूमिका – डॉ. देवेंद्रनाथ शर्मा ।
3. भाषाविज्ञान के तत्त्व– डॉ. राजनारायण मौर्य ।
4. भाषाविज्ञान और हिंदी भाषा – डॉ. सुधाकर कलावडे ।
5. भाषाविज्ञान के सिद्धांत और हिंदी भाषा – डॉ. द्वारकाप्रसाद सक्सेना ।
6. संक्षिप्त भाषाविज्ञान – डॉ. सुरेशचंद्र त्रिवेदी ।
7. हिंदी : उद्भव, विकास और रूप – डॉ. हरदेव बाहरी ।
8. हिंदी भाषा – डॉ. धीरेंद्र वर्मा ।
9. हिंदी भाषा की विकास यात्रा – डॉ. रामप्रकाश ।
10. हिंदी भाषा, व्याकरण और लिपि विज्ञान – डॉ. हरदान हर्ष ।
11. हिंदी व्याकरण – कामताप्रसाद गुरु ।
12. नागरी लिपि और उसकी समस्याएँ– डॉ. नरेश मिश्र ।
13. हिंदी की मानक वर्तनी – कैलासचंद्र भाटिया, रचना भाटिया ।
14. मानक हिंदी का शुद्धिपरक व्याकरण – डॉ. रमेशचंद्र मेहरोत्रा ।

शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग : 3

हिंदी (विशेष)

जून २०१५ पासून लागू होणा–या अभ्यासक्रमासाठी समकक्षता

अ.क्र.	जुना अभ्यासक्रम	अ.क्र.	नवीन अभ्यासक्रम
1	अभ्यासपत्रिका क्रमांक : 7	1	अभ्यासपत्रिका क्रमांक : 7
	अभ्यासपत्रिका क्रमांक : 12		अभ्यासपत्रिका क्रमांक : 12
2	अभ्यासपत्रिका क्रमांक : 8	2	अभ्यासपत्रिका क्रमांक : 8
	अभ्यासपत्रिका क्रमांक : 13		अभ्यासपत्रिका क्रमांक : 13
3	अभ्यासपत्रिका क्रमांक : 9	3	अभ्यासपत्रिका क्रमांक : 9
	अभ्यासपत्रिका क्रमांक : 14		अभ्यासपत्रिका क्रमांक : 14
4	अभ्यासपत्रिका क्रमांक : 10	4	अभ्यासपत्रिका क्रमांक : 10
	अभ्यासपत्रिका क्रमांक : 15		अभ्यासपत्रिका क्रमांक : 15
5	अभ्यासपत्रिका क्रमांक : 11	5	अभ्यासपत्रिका क्रमांक : 11
	अभ्यासपत्रिका क्रमांक : 16		अभ्यासपत्रिका क्रमांक : 16

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.A. Part-III

Hindi.

Syllabus to be implemented from

June, 2020 onwards.

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र–V, VI

Discipline Specific Elective

(शैक्षिक वर्ष –2020–21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

सत्र–V

प्रश्नपत्र– VII : **विधा विशेष का अध्ययन।**
प्रश्नपत्र– VIII : **साहित्यशास्त्र ।**
प्रश्नपत्र– IX : **हिंदी साहित्य का इतिहास।**
प्रश्नपत्र– X : **प्रयोजनमूलक हिंदी ।**
प्रश्नपत्र– XI : **भाषा विज्ञान और हिंदी भाषा ।**

सत्र–VI

प्रश्नपत्र– XII : **विधा विशेष का अध्ययन।**
प्रश्नपत्र– XIII : **साहित्यशास्त्र और हिंदी आलोचना।**
प्रश्नपत्र– XIV : **हिंदी साहित्य का इतिहास।**
प्रश्नपत्र– XV : **प्रयोजनमूलक हिंदी ।**
प्रश्नपत्र– XVI : **भाषा विज्ञान और हिंदी भाषा ।**

सत्र V और VI : परीक्षा में एक प्रश्नपत्र 50 अंकों का होगा, जिसमें 40 अंक लिखित परीक्षा के और 10 अंक अंतर्गत मूल्याकंन के लिए है। जिसमें सेमिनार, मौखिकी, परियोजना, (प्रोजेक्ट) गृहकार्य, में से एक देना अनिवार्य है।

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र –V प्रश्नपत्र– VII

विधा विशेष का अध्ययन

Discipline Specific Elective (D.S.E.-E6)

(शैक्षिक वर्ष –2020 –21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

पाठ्यक्रम

उद्देश्य :

1.नाटककार कुसुम कुमार की बहुमुखी प्रतिभा से परिचित कराना।

2.नाटककार कुसुम कुमार के साहित्य से परिचित कराना।

3.नाटककार कुसुम कुमार की विचारधारा से परिचित कराना।

4.नाटककार कुसुम कुमार के निर्धारित ग्रंथ का सूक्ष्म आलोचनात्मक अध्ययन कराना।

5.लेखिका के नाटककार के रूप में साहित्यिक स्थान को निर्धारित कराना।

अध्यापन पद्धति

- स्वाध्याय .
- व्याख्यान, विवेचन तथा विश्लेषण
- संगोष्ठी तथा समूह चर्चा का आयोजन।
- अतिथियों एवं विद्वानों के व्याख्यान।
- दृक श्राव्य माध्यमों का प्रयोग।
- संगणक तथा इंटरनेट आदि साधनों का प्रयोग।

पाठ्यपुस्तक

'दिल्ली ऊँचा सुनती है' (नाटक) –कुसुम कुमार

किताबघर प्रकाशन, अन्सारी रोड, दरियागंज, नई दिल्ली–110002

इकाई 1 कुसुम कुमार का जीवन परिचय, व्यक्तित्व, कृतित्व एवं नाटककार कुसुम कुमार का सामान्य परिचय ।

इकाई 2 'दिल्ली ऊँचा सुनती है'– कथावस्तु एवं शीर्षक की सार्थकता।

इकाई 3 'दिल्ली ऊँचा सुनती है'– पात्र एवं चरित्र –चित्रण, संवाद, देशकाल वातावरण।

इकाई 4 'दिल्ली ऊँचा सुनती है'– भाषा शैली, उद्देश्य अभिनेयता एवं समस्याएँ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक**
प्रश्न 1	पूरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	'दिल्ली ऊँचा सुनती है' पर ससंदर्भ प्रश्न (3 में से 2)	10
प्रश्न 3	'दिल्ली ऊँचा सुनती है' एवं कुसुम कुमार पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 4	'दिल्ली ऊँचा सुनती है' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

संदर्भ ग्रंथ सूची–

- डॉ. कुसुम कुमार एक प्रयोगधर्मी नाटककार– डॉ.दत्तात्रय मोहिते, विद्या प्रकाशन, 'सी' 449, गुजैनी, कानपुर–208022
- स्वांतत्र्योंत्तर हिंदी नाटक–डॉ.रंजन तिवारी, विद्या प्रकाशन, कानपुर–208022
- हिंदी महिला नाटककार–डॉ.भगवान जाधव, विद्या प्रकाशन, कानपुर–208022
- समकालीन हिंदी नाटक– डॉ. जशवंतभाई पंडया, ज्ञान प्रकाशन, कानपुर

सत्र –VI प्रश्नपत्र– XII

DSE-E131

उद्देश्य :

- उपन्यास के तात्विक स्वरूप का परिचय देना।
- उपन्यासकार के व्यक्तित्व एवं कृतित्व से परिचित कराना।
- रचना विशेष का महत्त्व समझने एवं मूल्याकंन करने की क्षमता बढाना।
- रचना के आस्वादन एवं समीक्षा की क्षमता विकसित कराना।
- पाठ्यक्रम में निर्धारित उपन्यास की प्रासंगिकता से अवगत कराना।

पाठ्यपुस्तक –अंतिम साक्ष्य (उपन्यास)–चंद्रकांता

अमन प्रकाशन, 104 A/80 सी रामबाग, कानपुर– 12

इकाई 1. चंद्रकांता का जीवन परिचय, व्यक्तित्व, कृतित्व एवं उपन्यासकार चंद्रकांता का सामान्य परिचय ।

इकाई 2. 'अंतिम साक्ष्य'–कथावस्तु एवं शीर्षक की सार्थकता।

इकाई 3. 'अंतिम साक्ष्य'–पात्र एवं चरित्र –चित्रण तथा संवाद।

इकाई 4. 'अंतिम साक्ष्य'–देशकाल तथा वातावरण, भाषा शैली, उद्देश्य एवं समस्याएँ ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक 40**
प्रश्न 1	पूरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	'अंतिम साक्ष्य' पर ससंदर्भ प्रश्न (3 में से 2)	10
प्रश्न 3	'अंतिम साक्ष्य' एवं चंद्रकांता पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 4	'अंतिम साक्ष्य' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

संदर्भ ग्रंथ सूची –

- **चद्राकांता का कथा साहित्य–समकालीन परिवेश तथा संदर्भ–डॉ.अमोल पालकर, विद्या प्रकाशन, कानपुर–208022**
- **चद्राकांता का कथा साहित्य–डॉ.जगदीश चव्हाण, विद्या प्रकाशन, कानपुर–208022**

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हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र –V प्रश्नपत्र– VIII

साहित्यशास्त्र

Discipline Specific Elective (D.S.E.-E7)

(शैक्षिक वर्ष –2020 –21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

उद्देश्य :

1) साहित्य निर्मिति की प्रक्रिया का बोध कराना।

2) साहित्य /काव्य के विभिन्न अंगों, भेदों से परिचित कराना।

3) साहित्य/काव्य की नवीन विधाओं से परिचित कराना।

4) समीक्षा सिद्धांतों से परिचित कराना।

5) साहित्य /काव्य के तत्वों से परिचित कराना।

6) अलंकारों से परिचित कराना।

अध्यापन पद्धति –

- स्वाध्याय .
- व्याख्यान, विवेचन तथा विश्लेषण
- भारतीय एवं पाश्चात्य साहित्यशास्त्र का सैद्धांतिक एवं अनुप्रयोग की दृष्टि से।
- संगोष्ठी तथा समूह चर्चा का आयोजन।
- अतिथियों एवं विद्वानों के व्याख्यान।
- दृक श्राव्य माध्यमों का प्रयोग।
- संगणक तथा इंटरनेट आदि साधनों का प्रयोग।

अध्ययनार्थ विषय –

इकाई 1 काव्य/साहित्य – स्वरूप, तत्व, प्रयोजन।

इकाई 2 काव्य के प्रकार, काव्य गुण, काव्य दोष।

इकाई 3 रस – स्वरूप, रस के अंग, रस के भेद।

इकाई 4 अलंकार – शब्दालंकार –अनुप्रास, वक्रोक्ति, यमक, वीप्सा

अर्थालंकार – उपमा, रूपक, अतिशयोक्ति, विभावना।

(केवल लक्षण एवं उदाहरण अपेक्षित)

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		अंक 40
प्रश्न 1	पूरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	इकाई 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	इकाई 4 पर टिप्पणियां (3 में से 2)	10
प्रश्न 4	इकाई 1 और 3 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

सत्र–VI प्रश्नपत्र–XIII

साहित्यशास्त्र और हिंदी आलोचना

DSE-E132

इकाई 1 महाकाव्य – स्वरूप, भारतीय तत्व।

प्रगीत – स्वरूप, भेद।

गजल – स्वरूप, प्रमुख अंग।

इकाई 2 एकांकी – स्वरूप एवं तत्व।

कहानी – स्वरूप एवं तत्व।

उपन्यास – स्वरूप एवं तत्व।

इकाई 3 रेखाचित्र – स्वरूप एवं विशेषताएँ ।

आत्मकथा – स्वरूप एवं विशेषताएँ ।

यात्रावृत्त – स्वरूप एवं विशेषताएँ ।

इकाई 4 आलोचना का स्वरूप।

आलोचक के गुण।

आलोचना के प्रकार –

1) व्याख्यात्मक आलोचना।

2) तुलनात्मक आलोचना।

3) मनोवैज्ञानिक आलोचना।

4) ऐतिहासिक आलोचना।.

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		अंक 40
प्रश्न 1	पूरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	इकाई 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	इकाई 4 पर टिप्पणियां (3 में से 2)	10
प्रश्न 4	इकाई 1 और 3 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

संदर्भ ग्रंथ सूची

1) काव्यशास्त्र – भगीरथ मिश्र।

2) शास्त्रीय समीक्षा के सिद्धांत – डॉ.गोविंद त्रिगुणायत।

3) काव्य के रूप – बाबू गुलाबराय ।

4) भारतीय काव्यशास्त्र के सिद्धांत – डॉ.कृष्णदेव झारी।

5) भारतीय काव्यशास्त्र – डॉ.मानवेंद्र पाठक।

6) भारतीय साहित्यशास्त्र – डॉ. बलदेव उपाध्याय ।

7) साहित्यशास्त्र – डॉ. चंद्रभान सोनवणे।

8) भारतीय काव्यशास्त्र –डॉ.योगेंद्र प्रताप सिंह।

9) हिंदी आलोचना के बीज शब्द – डॉ. बच्चन सिंह।

10) पाश्चात्य साहित्य सिद्धांत विवेचन – डॉ.ओमप्रकाश शर्मा, शैलजा प्रकाशन, यशोदानगर, कानपुर–208011 ।

11) भारतीय एवं पाश्चात्य काव्यशास्त्र – डॉ.त्रिलोकनाथ श्रीवास्तव ,डॉ.गंगासहाय प्रेमी, साहित्य सरोवर प्रकाशन, जयपुर हाऊस, आगरा–282010।

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र V प्रश्नपत्र IX

हिंदी साहित्य का इतिहास

Discipline Specific Elective (D.S.E.-E8)

(शैक्षिक वर्ष –2020 –21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

उद्देश्य :

1. हिंदी भाषा तथा साहित्य की विकास यात्रा से अवगत कराना।
2. हिंदी साहित्य की विकास यात्रा में हिंदी भाषा के माध्यम से अलग–अलग विचारधारा और प्रवृत्तियों से अवगत कराना।
3. छात्रों में साहित्य समझने तथा उसका आस्वादन, मूल्यांकन करने की दृष्टि को बढाना।
4. छात्रों को साहित्य के संदर्भ में विभिन्न साहित्यिक विधाओं के विकास क्रम से परिचित कराना।
5. छात्रों को युगीन सामाजिक, राजनीतिक परिस्थितियों के परिप्रेक्ष्य में हिंदी से अवगत कराना।
6. इतिहासकारों द्वारा प्रस्तुत काल विभाजन और नामकरण को जानने के लिए प्रेरित करना।
7. हिंदी के प्रमुख संत कवि, उनकी रचनाएँ और उनका समाजसुधार में योगदान से परिचित कराना।
8. हिंदी साहित्य के अंतर्गत गद्य–पद्य विधा और उसके भेदों, उपभेदों से अवगत कराना।

9. आदिकाल से लेकर आधुनिक काल तक के संत, महात्मा, लेखक, कवियों की विचारधारा और उनके द्वारा निर्मित साहित्य का सामान्य परिचय कराना।

अध्यापन पद्धति

- स्वाध्याय .
- व्याख्यान, विवेचन तथा विश्लेषण ।
- संगोष्ठी तथा समूह चर्चा का आयोजन।
- अतिथियों एवं विद्वानों के व्याख्यान।
- दृक श्राव्य माध्यमों का प्रयोग।
- संगणक तथा इंटरनेट आदि साधनों का प्रयोग।

अध्ययनार्थ विषय –

इकाई – 1 आदिकाल –

1. आदिकाल का नामकरण।
2. सामाजिक और राजनीतिक परिस्थितियाँ।
3. आदिकाल की प्रतिनिधि रचनाएँः सामान्य परिचय –

अ) पृथ्वीराज रासो।

आ) बीसलदेव रासो।

इकाई – 2 . भक्तिकाल–

1. भक्तिकालीन सामाजिक परिस्थितियाँ।
2. भक्तिकालीन राजनीतिक परिस्थितियाँ।
3. भक्तिकालीन कवियों का सामान्य परिचय–

    अ) संत नामदेव

    आ) संत रविदास

    इ) संत मीराबाई

    ई) गुरू नानक

इकाई – 3 . निर्गुण भक्ति धारा–

1. निर्गुण भक्ति धारा काव्य की सामान्य विशेषताएँ।
2. कबीर : जीवन परिचय एवं कृतित्व।

3. जायसी : जीवन परिचय एवं कृतित्व।

इकाई – 4 . सगुण भक्ति धारा–

1. सगुण भक्ति धारा काव्य की विशेषताएँ ।
2. तुलसीदास : जीवन परिचय एवं कृतित्व।
3. सूरदास : जीवन परिचय एवं कृतित्व।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक** 40
प्रश्न 1	पुरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न।	10
प्रश्न 2	इकाई 1 पर लघुत्तरीय प्रश्न (3 में से 2)।	10
प्रश्न 3	इकाई 2 पर टिप्पणियाँ (3 मे 2) ।	10
प्रश्न 4	इकाई 3 और 4 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)।	10

सत्र VI प्रश्नपत्र –XIV

हिंदी साहित्य का इतिहास

DSE-E133

इकाई – 1 रीतिकाल –

1. रीतिकाल का नामकरण।
2. सामाजिक एवं राजनीतिक परिस्थितियाँ।
3. प्रतिनिधि कवियों का सामान्य परिचय –

अ) केशवदास

आ) बिहारी

इ) भूषण

ई) धनानंद।

इकाई – 2 आधुनिक काल –

1. प्रारंभिक हिंदी गद्य साहित्य का सामान्य परिचय ।
2. आधुनिककालीन सामाजिक एवं राजनीतिक परिस्थितियाँ।
3. युग प्रवर्तक साहित्यकार–

    अ) भारतेंदु हरिश्चंद्र

    आ) जयशंकर प्रसाद

    इ) मोहन राकेश

इकाई – 3 आधुनिक गद्य विधाओं का विकास–

1. हिंदी उपन्यास साहित्य उद्भव और विकास।
2. हिंदी नाटक साहित्य उद्भव और विकास।
3. हिंदी यात्रा साहित्य उद्भव और विकास।

इकाई – 4 हिंदी काव्य की विभिन्न धारा और उनकी विशेषताएँ ।

1. छायावाद।
2. प्रगतिवाद
3. समकालीन कविता।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		अंक 40
प्रश्न 1	पुरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न	10
प्रश्न 2	इकाई 1 पर लघुत्तरीय प्रशन (3 में से 2)	10
प्रश्न 3	इकाई 2 पर टिप्पणियाँ (3 में 2)	10
प्रश्न 4	इकाई 3 और 4 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

संदर्भ ग्रंथ सूची –

1. हिंदी साहित्य का इतिहास– आचार्य रामचंद्र शुक्ल, जयभारती प्रकाशन, माया प्रेस रोड, इलाहाबाद।
2. हिंदी साहित्य का इतिहास– डॉ. नगेंद्र, नेशनल पब्लिशिंग हाउस, नई दिल्ली।
3. हिंदी साहित्य का दूसरा इतिहास– डॉ. बच्चन सिंह, राधाकृष्ण प्रकाशन, नई दिल्ली।
4. हिंदी साहित्य की भूमिका, डॉ. हजारीप्रसाद द्विवेदी।
5. हिंदी साहित्य का सही इतिहास– डॉ.चंद्रभानु सोनावने।
6. हिंदी साहित्यः युग और प्रवृत्तियाँ– डॉ.शिवकुमार शर्मा, अशोक प्रकाशन, दिल्ली।
7. हिंदी साहित्य का वैज्ञानिक इतिहास– गणपतिचंद्र गुप्त।
8. मध्यकालीन कवि और कविता– रतन कुमार पाण्डेय, अनभै प्रकाशन, मुंबई।
9. हिंदी साहित्य का इतिहास– डॉ.पूरनचंद टंडन, जगतराम एंड सन्स, नई दिल्ली।
10. भक्तिकाल के कालजई रचनाकार–विष्णु दास वैष्णव, कमला प्रकाशन– डीसा गुजरात।
11. हिंदी साहित्य का इतिहास : नए विचार नई दृष्टि– डॉ. सुरेशकुमार जैन, वाणी प्रकाशन, नई दिल्ली।
12. सूरदास : एक पुनरावलोकन, डॉ. ओमप्रकाश शर्मा, निराली प्रकाशन, पुणे।
13. हिंदी साहित्य का इतिहास– डॉ.गंगासहाय प्रेमी, डॉ.अशोक तिवारी, साहित्य सरोवर प्रकाशन, जयपुर हाऊस, आगरा।
14. संत कबीर व्यक्तित्व एवं रचनाएं–डॉ.मो.मजिद मिया, जीएस पब्लिशर्स डिस्टीब्यूटर्स, शाहदरा– दिल्ली।
15. षटकवि : विवेचनात्मक अध्ययन– खण्ड : 1 और 2, डॉ. ओमप्रकाश शर्मा, निराली प्रकाशन, 1312, शिवाजीनगर, जे.एम.रोड, पुणे– 05।

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र–V प्रश्नपत्र–X

प्रयोजनमूलक हिंदी

Discipline Specific Elective (D.S.E.-E9)

(शैक्षिक वर्ष –2020 –21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

उद्देश्य :

1.हिंदी में कार्य करने की रूचि विकसित करना।

2.रोजगार उन्मुख शिक्षा एवं कौशल्य प्रदान करना।

3.पारिभाषिक शब्दावली से परिचित करना।

4.सरकारी पत्राचार के स्वरूप का परिचय कराना।

5.जनसंचार एवं इलेक्ट्रॉनिक माध्यमों से परिचय कराना।

6. अनुवाद स्वरूप, महत्व तथा उपयोगिता से परिचित कराना।

7. रोजगार परक हिंदी की उपयोगिता स्पष्ट कराना।

अध्यापन पद्धति

- स्वाध्याय .
- व्याख्यान, विवेचन तथा विश्लेषण
- संगोष्ठी तथा समूह चर्चा का आयोजन।
- अतिथियों एवं विद्वानों के व्याख्यान।
- दृक श्राव्य माध्यमों का प्रयोग।
- संगणक तथा इंटरनेट आदि साधनों का प्रयोग।

अध्ययनार्थ विषय –

इकाई – 1पारिभाषिक शब्दावली।

दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों के हिंदी पर्यायवाची रूप । (परिशिष्ट में दिए हुए 'अ' तथा 'ब' विभाग के 50 शब्द)।

इकाई –2 सरकारी कार्यालयीन पत्राचार।

1. कार्यालय ज्ञापन।
2. परिपत्र।
3. कार्यालय आदेश।
4. सूचना।
5. अनुस्मारक पत्र।

इकाई –3 हिंदी भाषा और रोजगार के अवसर।

1. रेडियो में रोजगार।
2. विज्ञापन में रोजगार।
3. अनुवाद में रोजगार।
4. पत्रकारिता में रोजगार।
5. फिल्म में रोजगार।

इकाई –4समाचार लेखन।

1. महाविद्यालयीन समारोह का समाचार लेखन।
2. सामाजिक समारोह का समाचार लेखन।
3. प्राकृतिक आपदाओं का समाचार लेखन।
4. दुर्घटनाओं का समाचार लेखन।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक** 40
प्रश्न 1	पारिभाषिक शब्दावली पर दस वस्तुनिष्ठ प्रश्न	10
प्रश्न 2	इकाई 2 पर लघुत्तरीय प्रशन (3 में से 2)।	10
प्रश्न 3	इकाई 3 पर टिप्पणियाँ (3 मे 2) ।	10
प्रश्न 4	इकाई 4 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)।	10

परिशिष्ट (अ)

पारिभाषिक शब्दावली

	जनसंचार माध्यम संबंधी शब्द	
1.	Announcer	निवेदक
2.	Artistic	कलात्मक
3.	Audio-Visual	दृक–श्राव्य
4.	Banner	पताका
5.	Biographer	जीवनीकार
6.	Biweekly	अर्धसाप्ताहिक
7.	Bulletin	विज्ञाप्ति
8.	Catalogue	सूची
9.	Calligraphy	सुलेखन
10.	Caption	शीर्षक /चित्र परिचय
11.	Cartoonist	व्यंग्य चित्रकार
12.	Choreography	नृत्य रचना
13.	Columnist	स्तंभलेखक
14.	Commentator	समालोचक
15.	Compositer	अक्षर योजक
16.	Communication	संचार
17.	Creation	सृजन
18.	Correspondent	संवाददाता
19.	Information Technology	सूचना तंत्रज्ञान
20.	Interview	साक्षात्कार
21.	Interruption	रूकावट
22.	Journalist	पत्रकार
23.	Magazine	पत्रिका
24.	Source Language	स्त्रोत भाषा
25.	Transliteration	लिप्यंतरण

परिशिष्ट (ब)

शिक्षा सभा और संमेलन संबंधी शब्द

1.	Abstract	सार संक्षेप
2.	Academic Goal	शैक्षिक ध्येय
3.	Address	अभिभाषण संबोधन
4.	Adult Education	प्रौढ शिक्षा
5.	Agenda	कार्यसूची
6.	Anniversary	जयंती वर्षगाँठ
7.	Anthology	संकलन /संग्रह
8.	Appraisal	मूल्यांकन
9.	Attestation	साक्षांकन /अनुप्रमाणन
10.	Audiance	श्रोतागण
11.	Autonomous	स्वायत्त
12.	Bibliography	संदर्भ ग्रंथ सूची
13.	Bachelor	स्नातक
14.	Closing Speech	समापन भाषण
15.	Conference Hall	सम्मेलन भवन
16.	Conclusion	समापन
17.	Document	दस्तावेज
18.	Draft	प्रारूप मसौदा
19.	Guardian	अभिभावक
20.	Humanity	मानविकी
21.	Hypothesis	परिकल्पना
22.	Inauguration	उद्घाटन
23.	Informal	अनौपचारिक
24.	Symposium	संगोष्ठी
25.	Viva-Voce	मौखिक परीक्षा

सत्र–VI प्रश्नपत्र–XV

प्रयोजनमूलक हिंदी

DSE-E134

अध्ययनार्थ विषय –

इकाई –1 पारिभाषिक शब्दावली.

दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों एवं पदनामों के हिंदी पर्यायवाची रूप (परिशिष्ट में दिए हुए 'क' तथा 'ड' विभाग के शब्द एवं पदनाम)

इकाई –2. संदर्भ स्त्रोतों का सामान्य परिचय :

1. इन्स्टाग्राम
2. फेसबुक
3. व्हॉटस्अप
4. ट्विटर
5. ब्लॉग

इकाई–3. जनसंचार इलेक्ट्रॉनिक माध्यमों का सामान्य परिचय :

1. दूरदर्शन
2. इंटरनेट
3. डाक्यूटमेंटरी
4. व्हिडिओ कॉंफ्रेंस
5. यु टयूब

इकाई –4 अनुवाद

1. अनुवाद स्वरूप और महत्व ।
2. अनुवाद की उपयोगिता ।
3. प्रकृति के आधार पर अनुवाद के प्रकार ।
4. अनुवादक के गुण।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		अंक 40
प्रश्न 1	पारिभाषिक शब्दावली पर दस वस्तुनिष्ठ प्रश्न	10
प्रश्न 2	इकाई 2 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न 3	इकाई 3 पर टिप्पणियाँ (3 में से 2)	10
प्रश्न 4	इकाई 4 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	10

संदर्भ ग्रंथ सूची –

1. जनसंचार और पत्रकारिता–विविध आयाम– डॉ.ओमप्रकाश शर्मा, निराली प्रकाशन, पुणे ।
2. मीडिया कालीन हिंदी स्वरूप एवं संभावनाएँ–डॉ. अर्जुन चव्हाण, राधाकृष्ण प्रकाशन नई, दिल्ली।
3. प्रयोजनमूलक हिंदी की नयी भूमिका–डॉ. कैलाशनाथ पाण्डेय, लोकभारती प्रकाशन, इलाहाबाद, नई, दिल्ली।
4. प्रयोजनमूलक हिंदी– डॉ. विनोद गोदरे, वाणी प्रकाशन, नई दिल्ली ।
5. प्रयोजनामूलक हिंदी– विविध परिदृश्य–डॉ.रमेशचंद्र त्रिपाठी, डॉ.पवन अग्रवाल, अलका प्रकाशन, कानपुर।
6. हिंदी भाषा और सूचना प्रौद्योगिकी–डॉ. दीपक रामा तुपे, अभिषेक प्रकाशन, दिल्ली।
7. हिंदी भाषा में रोजगार के अवसर–प्रा.विकास पाटील, ए.बी.एस. पब्लिकेशन वाराणसी।
8. मिडिया में कैरियर– पी.के. आर्य, ग्रंथ अकादमी, नई दिल्ली।
9. प्रयोजनमूलक हिंदी, 'साहित्य सरोवर' –डॉ.श्रीमती आशा मोहन, साहित्य सरोवर प्रकाशन, प्रभु नगर, आगरा–280101
10. मिडिया : एक अंतर्यात्रा– डॉ.स्मिता मिश्र, मंजुली प्रकाशन, नई दिल्ली–23।

परिशिष्ट (क)

	अंग्रेजी के हिंदी वाक्यांश	
1.	Above Mentioned / Said	उपर्युक्त
2.	According to	के अनुसार
3.	After discussion	विचार विवर्श के बाद
4.	Age of retirement	सेवानिवृत्ति की उम्र
5.	As directed	निर्देशानुसार
6.	Effective Control	प्रभावी नियंत्रण
7.	Examine the proposal	प्रस्ताव की जाँच करें
8.	Eligibility is certified	पात्रता प्रमाणित की जाती है
9.	Facilities are not available	सुविधाएँ उपल्बध नहीं है
10.	For Compliance	अनुपालन के लिए
11.	For perusal	अवलोकनार्थ
12.	Gain Wrongfully	अनुचित रूप से प्राप्त करना
13.	Grant of permission	अनुमति देना
14.	Gross negligence	घोर उपेक्षा
15.	Noted and returned	नोट करके वापस किया जाता है
16.	Not in vogue	प्रचलित नहीं हैं
17.	Not satisfactory	संतोषजनक नहीं हैं
18.	Objection is Not valid	आपत्ति वैद्य/मान्य नहीं हैं
19.	On probation	परिवीक्षाधीन
20.	Order was cancelled	आदेश रद्द
21.	Paper under consideration	विचाराधीन पत्र
22.	Passed for payment	भुगतान के लिए पास किया
23.	Pending Cases	प्रलंबित मामले
24.	I agree	मैं सहमत हूँ
25.	In anticipation of	की प्रतीक्षा में

परिशिष्ट (ड)

	पदनाम संबंधी शब्द	
1.	Adviser	सलाहकार
2.	Accountant	लेखाकार
3.	Advocate	अधिवक्ता
4.	Cashier	रोकडिया/खजाँची
5.	Custodian	अभिरक्षक

6.	Councillor	पार्षद
7.	Director	निदेशक
8.	Executive Engineer	कार्यकारी अभियंता
9.	Foreign secretary	विदेश सचिव
10.	Governor	राज्यपाल
11.	His majesty	महामहिम
12.	Investigater	अन्वेषक
13.	Manager	प्रबंधक
14.	Member of legislative Assembly	विधायक
15.	Member of parliament	सासंद / संसद सदस्य
16.	President	राष्ट्रपति
17.	Prime minister	प्रधानमंत्री
18.	Registrar	कुलसचिव
19.	Speaker	सभापति
20.	Stenographer	आशुलिपिक
21.	Superintendent	अधीक्षक
22.	Treasurer	कोषाध्यक्ष
23.	Under secretary	अवर सचिव
24.	Vice Chancellor	कुलपति
25.	Warden	रक्षक

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र–V प्रश्नपत्र–XI

भाषा विज्ञान और हिंदी भाषा

Discipline Specific Elective (D.S.E.-E10)

(शैक्षिक वर्ष –2020 –21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

उद्देश्य :

1) भाषा के विविध रूपों का परिचय कराना ।

2) भाषा विज्ञान का सामान्य परिचय कराना।

3) हिंदी भाषा एवं लिपि के उद्भव और विकास का परिचय कराना ।

4) भाषा की शुद्धता के प्रति छात्रों को जागृत करना ।

5) मानक हिंदी वर्तनी और व्याकरण से छात्रों को परिचित कराना ।

अध्यापन पद्धति

- स्वाध्याय .
- व्याख्यान, विवेचन तथा विश्लेषण
- संगोष्ठी तथा समूह चर्चा का आयोजन।
- अतिथियों एवं विद्वानों के व्याख्यान।
- दृक श्राव्य माध्यमों का प्रयोग।
- संगणक तथा इंटरनेट आदि साधनों का प्रयोग।

अध्ययनार्थ विषय –

इकाई 1– भाषा की परिभाषाएँ, भाषा की विशेषताएँ, भाषा की उत्पति एवं ततसंबंधी विविध वाद–दैवी उत्पत्ति सिद्धांत, धातु सिद्धांत, अनुकरण सिद्धांत, श्रमपरिहार सिद्धांत, मनोभावाभिव्यंजक सिद्धांत, समन्वित सिद्धांत ।

इकाई 2– भाषा परिवर्तनशीलता के कारण ।

भाषा के विविध रूप– बोली और परिनिष्ठित भाषा ।

बोलियों के बनने के कारण, बोली और भाषा में अंतर ।

इकाई 3– हिंदी भाषा का उद्भव और विकास ।

हिंदी का शब्दसमूह, हिंदी भाषा के विविध रूप–राष्ट्रभाषा, राजभाषा, संपर्क भाषा ।

इकाई 4 – हिंदी की विविध बोलियाँ–अवधी, ब्रज, खडीबोली, भोजपुरी।

लिपि विकास का सामान्य परिचय, देवनागरी लिपि की वैज्ञानिकता ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक** 40
प्रश्न 1	पुरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न।	10
प्रश्न 2	इकाई 3पर लघुत्तरीय प्रशन (3 में से 2)।	10
प्रश्न 3	इकाई 4 पर टिप्पणियाँ (3 मे 2) ।	10
प्रश्न 4	इकाई 1 और 2 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)।	10

सत्र – VI प्रश्नपत्र –XVI

भाषा विज्ञान और हिंदी भाषा

DSE-E135

अध्ययनार्थ विषय –

इकाई 1–भाषाविज्ञान की परिभाषाएँ, भाषाविज्ञान के अध्ययन का महत्त्व, भाषाविज्ञान की वैज्ञानिकता ।

इकाई 2 –भाषाविज्ञान के प्रधान अंगो का परिचय**–**

ध्वनिविज्ञान, पदविज्ञान, शब्दविज्ञान, वाक्यविज्ञान, अर्थविज्ञान ।

इकाई 3 –भाषाविज्ञान का अन्य ज्ञान विज्ञानों से संबंध ।

1. भाषा विज्ञान और साहित्य 2. भाषाविज्ञान और व्याकरण ।

3. भाषाविज्ञान और समाजविज्ञान 4. भाषाविज्ञान और मनोविज्ञान ।

5. भाषाविज्ञान और इतिहास 6. भाषाविज्ञान और भूगोल ।

इकाई 4–कारकों के अर्थ और प्रयोग,पदक्रम, विरामचिह्न (केवल अल्पविराम, निर्देशक चिन्ह(डैश) और अवतरणचिह्न) मानक वर्तनी के नियम ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन		**अंक** 40
प्रश्न 1	पुरे पाठ्यक्रम पर दस बहुविकल्पी प्रश्न।	10
प्रश्न 2	इकाई 4 पर लघुत्तरीय प्रशन (3 में से 2)।	10
प्रश्न 3	इकाई 2 पर टिप्पणियाँ (3 मे 2) ।	10
प्रश्न 4	इकाई 1 और 3 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)।	10

संदर्भ ग्रंथ सूची

1. भाषाविज्ञान – डॉ.भोलानाथ तिवारी ।
2. भाषाविज्ञान की भूमिका– डॉ.देवेंदनाथ शर्मा ।
3. भाषाविज्ञान के तत्व– डॉ राजनारायण मौर्य ।
4. भाषाविज्ञान और हिंदी भाषा – डॉ. सुधीर कलावडे ।
5. भाषाविज्ञान के सिद्धांत और हिंदी भाषा – डॉ. द्वारकाप्रसाद सक्सेना ।
6. संक्षिप्त भाषाविज्ञान– डॉ.सुरेशचंद्र त्रिवेदी ।
7. हिंदी– उद्भव विकास और रूप – डॉ.हरदेव बिहारी ।

8. हिंदी भाषा – डॉ.धीरेंद्र वर्मा ।

9. हिंदी भाषा की विकास यात्रा – डॉ.रामप्रकाश ।

10. हिंदी भाषा, व्याकरण लिपि विज्ञान – डॉ.हरदान हर्ष ।

11. हिंदी व्याकरण – कामताप्रसाद गुरू ।

12. नागरी लिपि और उसकी समस्याएँ – डॉ.नरेंद मिश्र ।

13. हिंदी की वर्तनी– कैलासचंद्र भाटिया, रचना भाटिया ।

14. मानक हिंदी का शुद्धिपरक व्याकरण – डॉ.रमेशचंद्र मेहरोत्रा ।

15. भाषाविज्ञान के सिद्धांत – डॉ.ओमप्रकाश शर्मा निराली, प्रकाशन, पुणे– 05।

16.भाषा विज्ञान एवं हिंदी भाषा–डॉ.गंगासहाय प्रेमी,डॉ.त्रिलोकनाथ श्रीवास्तव ,साहित्य सरोवर प्रकाशन, प्रभु नगर, आगरा–01 ।

शिवाजी विश्वविद्यालय, कोल्हापुर

हिंदी अध्ययन मंडल

जून 2020 से लागू

हिंदी स्पेशल बी.ए.–3 (कला)

सत्र–V ,VI

Discipline Specific Elective

(शैक्षिक वर्ष –2020–21, 2021–22, 2022–23)

प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की मॉडल पाठ्यचर्या (CBCS) के आलोक में किया गया है।

समकक्षता

अ.क्र	पुराना प्रश्नपत्र	अ.क्र	नया प्रश्नपत्र
1	प्रश्नपत्र क्रमांक : 7	1	प्रश्नपत्र क्रमांक : 7
	प्रश्नपत्र क्रमांक : 12		प्रश्नपत्र क्रमांक : 12
2	प्रश्नपत्र क्रमांक : 8	2	प्रश्नपत्र क्रमांक : 8
	प्रश्नपत्र क्रमांक : 13		प्रश्नपत्र क्रमांक : 13
3	प्रश्नपत्र क्रमांक : 9	3	प्रश्नपत्र क्रमांक : 9
	प्रश्नपत्र क्रमांक : 14		प्रश्नपत्र क्रमांक : 14
4	प्रश्नपत्र क्रमांक : 10	4	प्रश्नपत्र क्रमांक : 10
	प्रश्नपत्र क्रमांक : 15		प्रश्नपत्र क्रमांक : 15
5	प्रश्नपत्र क्रमांक : 11	5	प्रश्नपत्र क्रमांक : 11
	प्रश्नपत्र क्रमांक : 16		प्रश्नपत्र क्रमांक : 16

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2012 से लागू
हिंदी स्पेशल
विधा विशेष का अध्ययन

- **उद्देश्य :–**

1. उपन्यास और नाटक के तात्विक स्वरूप का परिचय देना ।
2. उपन्यासकार एवं नाटककार के व्यक्तित्व एवं कृतित्व से परिचित कराना ।
3. रचना विशेष का महत्त्व समझने एवं मूल्यांकन करने की क्षमता बढ़ाना ।
4. रचना के आस्वादन एवं समीक्षन की क्षमता विकसित कराना ।
5. पाठ्यक्रम में निर्धारित उपन्यास एवं नाटक की प्रासंगिकता से अवगत कराना ।

- **अध्ययनार्थ विषय :–** **सत्र – V**
(प्रश्नपत्र – VI) विधा विशेष का अध्ययन

- **पाठ्यपुस्तक :–** अनबीता व्यतीत – कमलेश्वर (उपन्यास)

युनिट – 1 कमलेश्वर के व्यक्तित्व, कृतित्व एवं उपन्यासकार कमलेश्वर का सामान्य परिचय ।
युनिट – 2 ' अनबीता व्यतीत ' का कथानक ।
युनिट – 3 ' अनबीता व्यतीत ' का चरित्र – चित्रण ।
युनिट – 4 ' अनबीता व्यतीत ' का परिवेश, संवाद, भाषा शैली, उद्देश्य एवं शीर्षक ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1 पूरे पाठ्यक्रमपर पॉच बहुविकल्पी प्रश्न 05
प्रश्न – 2 ' अनबीता व्यतीत ' पर ससंदर्भ प्रश्न (3 में से 2) 10
प्रश्न – 3 ' अनबीता व्यतीत ' एवं कमलेश्वर पर लघुत्तरी प्रश्न (3 में से 2) 10
प्रश्न – 4 ' अनबीता व्यतीत ' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ) 15

- **अध्ययनार्थ विषय :–** **सत्र – VI**
(प्रश्नपत्र – XII) विधा विशेष का अध्ययन

- **पाठ्यपुस्तके :–** दो व्यंग्य नाटक – शरद जोशी
(एक था गधा ऊर्फ अलादाद खॉ और अंधों का हाथी)

युनिट – 1 शरद जोशी का व्यक्तित्व, कृतित्व एवं नाटककार शरद जोशी का सामान्य परिचय ।
युनिट – 2 'एक था गधा ऊर्फ अलादाद खॉ' नाटक का कथानक एवं पात्र ।

युनिट – 3 'एक था गधा ऊर्फ अलादाद खॉ ' में चित्रित संवाद, संकलनत्रय, अभिनेयता, भाषा शैली एवं उद्देश्य ।

युनिट – 4 ' अंधों का हाथी ' नाटक का कथ्य, शिल्पविधान, सामाजिक एवं राजनीतिक व्यंग्य, उद्देश्य ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1 पूरे पाठ्यक्रमपर पॉच बहुविकल्पी प्रश्न 05

प्रश्न – 2 'एक था गधा ऊर्फ अलादाद खॉ' पर ससंदर्भ प्रश्न (3 में से 2) 10

प्रश्न – 3 ' अंधों का हाथी ' पर लघुत्तरी प्रश्न (3 में से 2) 10

प्रश्न – 4 'एक था गधा ऊर्फ अलादाद खॉ और अंधों का हाथी ' पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ) 15

- **संदर्भ ग्रंथ :–**

1. कमलेश्वर की कहानियों का अनुशीलन : डॉ. मंजुला देसाई
2. शरद जोशी : एक यात्रा : सं. डॉ. शशि मिश्र, किताब घर, नई दिल्ली
3. शरद जोशी के व्यंग्य नाटक – अनुपमा भोरे, अन्नपूर्णा प्रकाशन, कानपुर –14
4. हिंदी व्यंग्य विधा शास्त्र और इतिहास – डॉ. बापूराव देसाई, चिंतन प्रकाशन, दिल्ली – 2
5. व्यंग्य विवेचन – डॉ. श्यामसुंदर घोष, पराग प्रकाशन, दिल्ली – 32

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2012 से लागू
हिंदी स्पेशल (**सत्र – V एवं VI**)
साहित्य सिद्धांत और समालोचना

- **उद्देश्य :–**

1. भारतीय तथा पाश्चात्य समीक्षा सिद्धांतों तथा हिंदी आलोचना की विविध प्रणालियों का ज्ञान प्राप्त कराना ।
2. साहित्य की मर्मग्राहिणी क्षमता का विकास कराना ।
3. काव्य के विभिन्न अंगों का सामान्य परिचय कराना ।
4. साहित्य समीक्षा की दृष्टि विकसित कराना ।

- **अध्ययनार्थ विषय :–** **सत्र – V**
(प्रश्नपत्र – VIII)

युनिट – 1 काव्य / साहित्य – परिभाषा, तत्त्व, प्रेरणा, प्रयोजन ।
युनिट – 2 अ) शब्दशक्ति – अभिधा, लक्षणा एवं व्यंजना का सामान्य परिचय
आ) अलंकार –
शब्दालंकार – अनुप्रास, श्लेष, यमक
अर्थालंकार – उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति ।
युनिट – 3 रस : परिभाषा, रस के अंग और भेदों का सामान्य परिचय ।
युनिट – 4 रेखाचित्र, जीवनी, संस्मरण, यात्रा साहित्य विधाओं का स्वरूप ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	पूरे पाठ्यक्रम पर पाँच बहुविकल्पी प्रश्न	05
प्रश्न – 2	युनिट 4 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न – 3	युनिट 2 पर टिप्पणियाँ (3 में से 2) (अलंकारों पर 2, शब्दशक्ति पर 1)	10
प्रश्न – 4	युनिट 1 और 3 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15

- **अध्ययनार्थ विषय :–** **सत्र – VI**

(प्रश्नपत्र – XIII)

युनिट – 1 काव्य भेद –

1) महाकाव्य – भारतीय और पश्चिमी तत्त्व ।
2) खण्डकाव्य – परिभाषा एवं तत्त्व ।
3) प्रगीत एवं उसके भेद ।

युनिट – 2

1) नाटक – पश्चिमी तत्त्व ।
2) उपन्यास – परिभाषा, तत्त्व, प्रकार ।
3) निबंध – परिभाषा, तत्त्व, प्रकार ।

युनिट – 3 आलोचना

1) परिभाषा, स्वरूप ।
2) आलोचना के प्रकार ।
(ऐतिहासिक, तुलनात्मक, व्याख्यात्मक, निर्णयात्मक) ।
3) आलोचक के गुण ।

युनिट – 4 अ) आत्मकथा, साक्षात्कार और रिपोर्ताज का सामान्य परिचय ।

आ) छंद :

मात्रिक – दोहा, चौपाई और सोरठा ।
वर्णिक – वसंततिलका, मंदाकिनी, शिखरिणी ।
(लक्षण और उदाहरण अपेक्षित हैं, उपभेदों का अध्ययन अपेक्षित नहीं ।)

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	पूरे पाठ्यक्रमपर पाँच बहुविकल्पी प्रश्न ।	05
प्रश्न – 2	युनिट 3 पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न – 3	युनिट 4 पर टिप्पणियाँ (3 में से 2) (छंदों पर 2, गद्यविधाओं पर 1)	10
प्रश्न – 4	युनिट 1 और 2 पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ)	15

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
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जून 2012 से लागू
हिंदी स्पेशल (**सत्र – V एवं VI**)
हिंदी साहित्य का इतिहास (सन 2000 ई. तक)

- **उद्देश्य :–**

1. हिंदी साहित्य की पृष्ठभूमि से परिचित कराना ।
2. हिंदी साहित्य के इतिहास के काल#विभाजन एवं नामकरण तथा विशेषताओं से परिचित कराना ।
3. हिंदी साहित्य के इतिहास को कालक्रमानुसार अवगत कराना ।
4. हिंदी साहित्य की प्रवृत्तियों से परिचित कराना ।
5. हिंदी साहित्य की कालजयी रचनाएँ और रचनाकारों का सामान्य परिचय से अवगत कराना ।

- **अध्ययनार्थ विषय :–** **सत्र – V**
(प्रश्नपत्र – IX)

युनिट – 1 आदिकाल –
1) आदिकाल – नामकरण, युगीन परिस्थितियॉ ।
(सामाजिक एवं राजनीतिक) युगीन साहित्य की विशेषताएँ ।
2) प्रतिनिधि रचनाएँ । (पृथ्वीराज रासो, बीसलदेव रासो) और प्रमुख रचनाकारों (अमीर खुसरो, विद्यापति) का सामान्य परिचय

युनिट – 2 भक्तिकाल –
1) भक्तिकालीन सामाजिक एवं राजनीतिक परिस्थितियाँ ।
2) निर्गुण एवं सगुण भक्तिधारा की विशेषताएँ ।

युनिट – 3 निर्गुण भक्तिधारा –
1) कबीर : व्यक्तित्व एवं साहित्य का सामान्य परिचय ।
2) जायसी : व्यक्तित्व एवं साहित्य का सामान्य परिचय ।

युनिट – 4 सगुण भक्तिधारा –
1) तुलसीदास : व्यक्तित्व एवं साहित्य का सामान्य परिचय ।
2) सूरदास, मीरा, रसखान, रहीम का परिचय ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	पाँच बहुविकल्पी प्रश्न (युनिट 3 और 4 पर)	05
प्रश्न – 2	आदिकाल पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न – 3	भक्तिकाल (युनिट 2) पर टिप्पणियाँ (3 में से 2)	10
प्रश्न – 4	दीर्घोत्तरी प्रश्न(युनिट 3 और 4 पर)(अंतर्गत विकल्प के साथ)	15

- **अध्ययनार्थ विषय :–** **सत्र – VI**

(प्रश्नपत्र – XIV)

युनिट – 1 रीतिकाल –

1) रीतिकाल – नामकरण युगीन परिस्थितियाँ ।
(सामाजिक एवं राजनीतिक)

2) प्रतिनिधि कवियों (केशवदास, बिहारी, भूषण, धनानंद) का सामान्य परिचय ।

युनिट – 2 आधुनिककाल –

1) आधुनिककालीन सामाजिक तथा राजनीतिक परिस्थितियाँ ।

2) गद्य का उद्‌भव और विकास ।

युनिट – 3 गद्य विधाओं का विकास

1) उपन्यास और यात्रा साहित्य का सन 2000 ई. तक का विकास ।

2) नाटक और निबंध – साहित्य का सन 2000 ई. तक का विकास ।

युनिट – 4 काव्य की विभिन्न धाराओं की विशेषताएँ ।

1) छायावादी और हालावादी कविता ।

2) प्रगतिवादी और समकालीन कविता ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	पॉच बहुविकल्पी प्रश्न (युनिट 3 ,4 पर)	05
प्रश्न – 2	रीतिकाल पर लघुत्तरी प्रश्न (3 में से 2)	10
प्रश्न – 3	आधुनिककाल (युनिट 2) पर टिप्पणियॉ (3 में से 2)	10
प्रश्न – 4	दीर्घोत्तरी प्रश्न(युनिट 3 और 4 पर)(अंतर्गत विकल्प के साथ)	15

- **संदर्भ पुस्तकें :–**

1. हिन्दी साहित्य का इतिहास – आचार्य रामचंद्र शुक्ल
2. हिन्दी साहित्य का इतिहास – डॉ. नगेन्द्र
3. हिन्दी साहित्य की प्रवृत्तियॉ – डॉ. जयकिशन खण्डेलवाल
4. हिन्दी साहित्य की भूमिका – डॉ. हजारीप्रसाद द्विवेदी
5. हिन्दी साहित्य का इतिहास – डॉ. बच्चनसिंह
6. हिन्दी साहित्य का वैज्ञानिक इतिहास – डॉ. गणपतिचंद्र गुप्त
7. हिन्दी साहित्य : युग और प्रवृत्तियॉ – डॉ. शिवकुमार शर्मा
8. हिन्दी साहित्य का सही इतिहास – डॉ. चन्द्रभानु सोनवणे
9. द्वितीय महायुद्‌धोत्तर हिन्दी साहित्य – डॉ. लक्ष्मीसागर वर्ष्णिय
10. हिन्दी नाटक उद्‌भव और विकास – डॉ. दशरथ ओझा
11. हिन्दी साहित्य का इतिहास – संपादक–डॉ. नगेन्द्र, सहसंपादक–डॉ. हरदयाल

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)

तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)

जून 2012 से लागू

हिंदी स्पेशल (**सत्र – V एवं VI**)

प्रयोजनमूलक हिन्दी

- **उद्देश्य :–**

1. राजभाषा एवं राष्ट्रभाषा के रूप में हिंदी के विकास में छात्रों को अवगत कराना ।
2. हिंदी के प्रयोग के प्रति रूचि जगाकर उनमें पत्राचार संबंधी क्षमता का विकास कराना ।
3. व्यावहारिक हिंदी की विभिन्न प्रयुक्तियों से छात्रों को परिचित कराना ।
4. आधुनिक जनसंचार माध्यमों में हिंदी के बढ़ते प्रयोग एवं संभावनाओं से छात्रों को परिचित कराना ।
5. अनुवाद का स्वरूप, प्रकार आदि से छात्रों को अवगत कराना ।

- **अध्ययनार्थ विषय :–** **सत्र – V**

(प्रश्नपत्र – X)

युनिट – 1 पारिभाषिक शब्दावली –
दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों के हिंदी पर्यायवाची रूप । परिशिष्ट में दिए हुए 'अ' तथा 'ब' विभाग के 50 शब्द

युनिट – 2 कार्यालयी पत्राचार –
1) नौकरी के लिए आवेदन पत्र ।
2) पदाधिकारियों के नाम पत्र ।
3) अधिसूचना ।
4) परिपत्र ।
5) कार्यालय आदेश ।
6) कार्यालय ज्ञापन ।

युनिट – 3 संदर्भ स्रोतों का परिचय –
1) राजभाषा और राष्ट्रभाषा ।
2) टेलिफोन ।
3) इंटरनेट ।
4) बहुमाध्यम ।

युनिट – 4 जनसंचार माध्यम (सामान्य परिचय) –

1) जनसंचार माध्यम : अर्थ, स्वरूप और प्रकार ।
अ) मुद्रित माध्यम : विज्ञापन लेखन, दैनिक समाचार पत्र और पत्र–पत्रिकाएँ ।
ब) इलेक्ट्रानिक्स् माध्यम : रेडियो, दूरदर्शन और संगणक । (तकनीकी जानकारी अपेक्षित नहीं)

2)वृत्तांत लेखन : 1) महाविद्यालयीन समारोह
2) सामाजिक समारोह
3) प्राकृतिक आपदाएँ
4) दूर्घटनाओं का वृत्तांत लेखन

हिंदी स्पेशल (प्रश्नपत्र क्र. 7)

प्रयोजनमूलक हिंदी

परिशिष्ट

पारिभाषिक शब्दावली –

(अ)	**जनसंचार माध्यम संबंधी शब्द –**		
1.	Announcer	:	निवेदक / उद्घोषक
2.	Artistic	:	कलात्मक
3.	Audio-Visual	:	दृक्–श्राव्य
4.	Banner	:	पताका
5.	Biographer	:	जीवनीकार
6.	Biweekly	:	अर्ध साप्ताहिक
7.	Bulletin	:	विज्ञप्ति
8.	Catalogue	:	सूची
9.	Calligraphy	:	सुलेखन
10.	Caption	:	शीर्षक / चित्र परिचय
11.	Cartoonist	:	व्यंग्य चित्रकार
12.	Choreography	:	नृत्य रचना
13.	Columnist	:	स्तंभलेखक
14.	Commentator	:	समालोचक
15.	Compositer	:	अक्षर योजक
16.	Communication	:	संचार
17.	Creation	:	सृजन
18.	Correspondent	:	संवाददाता
19.	Information Technology	:	सूचना तंत्रज्ञान
20.	Interview	:	साक्षात्कार
21.	Interruption	:	रुकावट
22.	Journalist	:	पत्रकार
23.	Magazine	:	पत्रिका
24.	Source Language	:	स्रोत भाषा
25.	Transliteration	:	लिप्यंतरण

(ब)	**शिक्षा, सभा और संमेलन संबंधी शब्द –**		
1.	Abstract	:	सार / संक्षेप
2.	Academic goal	:	शैक्षिक ध्येय
3.	Address	:	अभिभाषण / संबोधन
4.	Adult education	:	प्रौढ शिक्षा
5.	Agenda	:	कार्यसूची
6.	Anniversary	:	जयंती / वर्षगाँठ

7.	Anthology	:	संकलन / संग्रह
8.	Appraisal	:	मूल्यांकन
9.	Attestation	:	साक्षांकन / अनुप्रमाणन
10.	Audiance	:	श्रोतागण
11.	Autonomous	:	स्वायत्त
12.	Bibliography	:	संदर्भ ग्रंथ सूची
13.	Bachelor	:	स्नातक
14.	Closing Speech	:	समापन भाषण
15.	Conference Hall	:	सम्मेलन भवन
16.	Conclusion	:	समापन
17.	Document	:	दस्तावेज
18.	Draft	:	प्रारूप / मसौदा
19.	Guardian	:	अभिभावक
20.	Humanity	:	मानविकी
21.	Hypothesis	:	परिकल्पना
22.	Inauguration	:	उद्घाटन
23.	Informal	:	अनौपचारिक
24.	Symposium	:	संगोष्ठि
25.	Viva-Voce	:	मौखिक परीक्षा

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1 (पारिभाषिक शब्दावली) पर बहुविकल्पी प्रश्न 05

प्रश्न – 2 (कार्यालयीन (पत्राचार) पर लघुत्तरी प्रश्न (3 में से 2) 10
(पत्रलेखन)

प्रश्न – 3 (संदर्भ स्रोतों) पर टिप्पणियॉ (3 में से 2) 10

प्रश्न – 4 (जनसंचार माध्यम एवं दो वृत्तांत लेखन) पर दीर्घोत्तरी प्रश्न
(अंतर्गत विकल्प के साथ) 15

- **अध्ययनार्थ विषय :–** **सत्र – VI**

(प्रश्नपत्र – XV)

युनिट – 1 पारिभाषिक शब्दावली –

दैनिक व्यवहार में प्रयुक्त अंग्रेजी शब्दों एवं पदनामों के हिंदी पर्यायवाची रूप । परिशिष्ट में दिए हुए 'क' तथा 'ड' विभाग के शब्द एवं पदनाम ।

युनिट – 2 वाणिज्यिक पत्राचार –

1) पूछताछ पत्र ।
2) संदर्भ के पत्र ।
3) क्रयादेश पत्र ।
4) भुगतान पत्र ।
5) सूचनादायी पत्र ।
6) शिकायती पत्र ।

युनिट – 3 संदर्भ स्रोतों का परिचय –

1) शब्दकोश ।
2) विश्वकोश ।
3) पर्यायवाची कोश ।
4) मुहावरें और कहावते कोश ।

युनिट – 4 अनुवाद –

1) अनुवाद : अर्थ और परिभाषा ।
2) अनुवाद के प्रकार (विषय क्षेत्र के तथा प्रकृति के आधार पर)।
3) अनुवादक के गुण ।

हिंदी स्पेशल (प्रश्नपत्र क्र. 7)

प्रयोजनमूलक हिंदी

परिशिष्ट

पारिभाषिक शब्दावली –

(क)	**कार्यालय तथा बैंक संबंधी शब्द –**		
1.	Acknowledgment	:	रसीद
2.	Accidental Profit	:	आकस्मिक लाभ
3.	Account	:	खाता
4.	Act	:	अधिनियम
5.	Acceptance	:	स्वीकृति
6.	Advances	:	अग्रीम राशि
7.	Ad hoc	:	तदर्थ
8.	Article	:	अनुच्छेद
9.	Audit	:	लेखा परीक्षण
10.	Bridge Loan	:	पूरक ऋण
11.	Boom	:	तेजी

12.	Cash Credit	:	नकदी ऋण
13.	Constitution	:	संविधान
14.	Counter Foil	:	आधी रसीद
15.	Envelope	:	लिफाफा
16.	Eraser	:	रबर
17.	Ex-gratia	:	अनुग्रहपूर्वक
18.	Growth rate	:	वृद्धि दर
19.	Ledger	:	लेखा वही
20.	Modus-Operandi	:	कार्यप्रणाली
21.	Promotion	:	पदोन्नति
22.	Stamp-Seal	:	मुहर
23.	Status-quo	:	यथास्थिति
24.	Tentative	:	अंतरिम
25.	Top-priority	:	सर्वोच्च प्राथमिकता

(ड)	**पदनाम संबंधी शब्द –**		
1.	Accountant	:	लेखाकार
2.	Adviser	:	सलाहकार
3.	Advocate	:	अधिवक्ता
4.	Cashier	:	रोकडिया/ खजांची
5.	Custodian	:	अभिरक्षक
6.	Councillor	:	पार्षद
7.	Director	:	निदेशक
8.	Executive Engineer	:	कार्यकारी अभियंता
9.	Foreign Secretary	:	विदेश सचिव
10.	Governer	:	राज्यपाल
11.	His Magesty	:	महामहिम
12.	Investigator	:	अन्वेषक
13.	Manager	:	प्रबंधक
14.	Member of Legislative Assembly	:	विधायक/ विधानसभा सदस्य
15.	Member of Parliament	:	सांसद/ संसद सदस्य
16.	President	:	राष्ट्रपति
17.	Prime Minister	:	प्रधान मंत्री
18.	Registrar	:	कुलसचिव
19.	Speaker	:	सभापति
20.	Stenographer	:	आशुलिपिक
21.	Superintendent	:	अधीक्षक

22.	Treasurer	:	कोषाध्यक्ष
23.	Under Secretary	:	अवर सचिव
24.	Vice-Chancellor	:	कुलपति
25.	Warden	:	रक्षाक

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1 (पारिभाषिक शब्दों व पदनामों) पर बहुविकल्पी प्रश्न 05
प्रश्न – 2 (वाणिज्यिक पत्राचार) पर लघुत्तरी प्रश्न (3 में से 2) 10
प्रश्न – 3 (संदर्भ स्रोतों) पर टिप्पणियॉ (3 में से 2) 10
प्रश्न – 4 (युनिट 4 पर) पर दीर्घोत्तरी प्रश्न (अंतर्गत विकल्प के साथ) 15

- **संदर्भ ग्रंथ सूची :–**

1. प्रयोजनमूलक हिन्दी – डॉ. विनोद गोदरे, वाणी प्रकाशन, नई दिल्ली ।
2. प्रयोजनमूलक हिन्दी – विविध परिदृश्य – डॉ. रमेश्चंद्र त्रिपाठी । डॉ. पवन अग्रवाल, अलका प्रकाशन, कानपूर ।
3. व्यवसायिक हिन्दी – श्री. दुबे और प्रभाकर गुप्ता, नेशनल पब्लिशिंग हाऊस, नई दिल्ली ।
4. हिन्दी और उसका व्यवहार : डॉ. व्ही. के. मोरे – फडके प्रकाशन, कोल्हापूर ।
5. मिडिया में कैरियर : पी. के. आर्य, ग्रंथ अकादमी, नई दिल्ली – 110 002
6. जनसंचार : कल और आज – चंद्रकांत सरदाना /कृषि मेहता, ज्ञानगंगा, चावडी बाजार, दिल्ली ।
7. पत्रकारिता के सिद्धांत : डॉ. रमेशचंद्र त्रिपाठी, नमन प्रकाशन, दरियागंज, नई दिल्ली – 110 002
8. मिडियाकालीन हिन्दी : स्वरूप एवं संभावनाएँ – डॉ. अर्जुन चव्हाण, राधाकृष्ण प्रकाशन, नई दिल्ली ।
9. इलेक्ट्रॉनिक्स् मिडिया एवं सूचना प्राद्योगिकी : डॉ. यू. सी. गुप्ता, अर्जुन पब्लिशिंग हाऊस, दरियागंज, नई दिल्ली ।
10. पत्रकारिता : विविध विधाएँ : डॉ. राजकुमारी रानी, जयभारती प्रकाशन, इलाहाबाद – 211 003
11. आधुनिक जनसंचार और हिंदी – प्रो. हरिमोहन तक्षशिला प्रकाशन, नई दिल्ली
12. अनुवाद विज्ञान : डॉ. भोलानाथ तिवारी, किताब घर, दिल्ली
13. अनुवाद सिद्धांत की रूपरेखा : डॉ. सुरेशकुमार, वाणी प्रकाशन, दिल्ली
14. अनुवाद चिंतन : डॉ. अर्जुन चव्हाण, अमन प्रकाशन, कानपुर

शिवाजी विश्वविद्यालय, कोल्हापुर (महाराष्ट्र)
तृतीय वर्ष (कला) (बी. ए. भाग – 3 हिंदी)
जून 2012 से लागू
हिंदी स्पेशल (**सत्र – V एवं VI**)
भाषाविज्ञान

- **उद्देश्य :–**

1. भाषा के विविध रूपों का परिचय कराना ।
2. भाषाविज्ञान का सामान्य परिचय कराना ।
3. हिंदी भाषा एवं लिपि के उद्भव और विकास का परिचय कराना ।
4. भाषा की शुद्धता के प्रति छात्रों को जागृत कराना ।
5. मानक हिंदी वर्तनी और व्याकरण से छात्रों को परिचित कराना ।

- **अध्ययनार्थ विषय :–** **सत्र – V**
(प्रश्नपत्र – XI)

युनिट – 1
1) भाषा की परिभाषाएँ
2) भाषा की विशेषताएँ
3) भाषा की उत्पत्ति एवं तत्संबंधी विविध वाद –
(दैवी उत्पत्तिवाद, धातु सिद्धांत, अनुकरण सिद्धांत, संपर्क सिद्धांत तथा समन्वित (समन्वय) सिद्धांत)

युनिट – 2
1) भाषा की परिवर्तनशीलता के कारण
2) भाषा के विविध रूप – बोली
– बोलियों के बनने के कारण ।
– बोलियों के महत्त्व पाकर भाषा बनने के कारण ।
– बोली और भाषा में अंतर ।
– परिनिष्ठित भाषा

युनिट – 3
1) 'हिंदी' शब्द की व्युत्पत्ति ।
2) हिंदी भाषा का उद्भव और विकास ।
3) हिंदी का शब्द समूह ।

युनिट – 4
1) लिपि विकास का सामान्य परिचय ।
2) देवनागरी लिपि की वैज्ञानिकता ।

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	बहुविकल्पी पाँच प्रश्न (युनिट 1 और युनिट 2 पर)	05
प्रश्न – 2	लघुत्तरी प्रश्न (3 में से 2) (युनिट 3 और युनिट 4 पर)	10
प्रश्न – 3	टिप्पणियाँ (3 में से 2)(युनिट 3 और युनिट 4 पर)	10
प्रश्न – 4	दीर्घोत्तरी प्रश्न (युनिट 1 और युनिट 2 पर) (अंतर्गत विकल्प के साथ)	15

- **अध्ययनार्थ विषय :–** **सत्र – VI**

(प्रश्नपत्र – XVI)

युनिट – 1 1) भाषाविज्ञान की परिभाषाएँ ।
2) भाषाविज्ञान के अध्ययन का महत्त्व ।
3) भाषाविज्ञान की वैज्ञानिकता ।

युनिट – 2 भाषाविज्ञान के प्रधान अंगों का परिचय –
(ध्वनिविज्ञान, पदविज्ञान, शब्दविज्ञान, वाक्य–विज्ञान, अर्थ–विज्ञान तथा प्रोक्ति – विज्ञान)

युनिट – 3 भाषाविज्ञान का अन्य ज्ञान–विज्ञानों से संबंध –
1) भाषाविज्ञान और साहित्य ।
2) भाषाविज्ञान और व्याकरण ।
3) भाषाविज्ञान और समाजविज्ञान ।
4) भाषाविज्ञान और मनोविज्ञान ।
5) भाषाविज्ञान और इतिहास ।
6) भाषाविज्ञान और भूगोल ।

युनिट – 4 व्याकरण –
1) उद्‌देश्य और क्रिया का अन्वय ।
2) कर्म और क्रिया का अन्वय ।
3) पदक्रम ।
4) विराम – चिह्न (केवल अल्प – विराम, निर्देशक (डैश), और अवतरण – चिह्न)
5) मानक–वर्तनी के नियम ।
(प्रत्येक के केवल पॉच नियम अपेक्षित है ।)

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

प्रश्न – 1	बहुविकल्पी पाँच प्रश्न (युनिट 1 और युनिट 3 पर)	05
प्रश्न – 2	लघुत्तरी प्रश्न (3 में से 2) (युनिट 4 – व्याकरण पर)	10
प्रश्न – 3	टिप्पणियाँ (3 में से 2)(युनिट 2 पर)	10
प्रश्न – 4	दीर्घोत्तरी प्रश्न (युनिट 1 और युनिट 3 पर)	15

शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग : 3

हिंदी (विशेष)

जून २०१२ पासून लागू होणा–या अभ्यासक्रमासाठी समकक्षता

अ. क्र.	जुना अभ्यासक्रम	अ. क्र.	नवीन अभ्यासक्रम
1	अभ्यासपत्रिका क्रमांक : 4	1	अभ्यासपत्रिका क्रमांक : 7
			अभ्यासपत्रिका क्रमांक : 12
2	अभ्यासपत्रिका क्रमांक : 5	2	अभ्यासपत्रिका क्रमांक : 8
			अभ्यासपत्रिका क्रमांक : 13
3	अभ्यासपत्रिका क्रमांक : 6	3	अभ्यासपत्रिका क्रमांक : 9
			अभ्यासपत्रिका क्रमांक : 14
4	अभ्यासपत्रिका क्रमांक : 7	4	अभ्यासपत्रिका क्रमांक : 10
			अभ्यासपत्रिका क्रमांक : 15
5	अभ्यासपत्रिका क्रमांक : 8	5	अभ्यासपत्रिका क्रमांक : 11
			अभ्यासपत्रिका क्रमांक : 16

शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१/बी.कॉम.१ : B.A. I/B.Com I

अभ्यासक्रम : Syllabus

June 2018 onward

Board of Studies in Marathi

Choice Based Credit System

Compulsory Generic Elective (CGE-1) : Marathi (Course - A)

आवश्यक अनुषंगिक निवड (CGE-1) : मराठी (अभ्यासपत्रिका - अ)

सत्र १ : Semester - I

पाठ्यपुस्तक - शब्दसंहिता

१. **नापास मुलांची गोष्ट (निवडक लेख)**
संपा. अरुण शेवते, ऋतुरंग प्रकाशन, मुंबई.

२. **व्यक्तिमत्त्व विकास आणि भाषा**

उद्दिष्ट्ये :

१. विद्यार्थ्यांची मराठी भाषा आणि साहित्याविषयी अभिरूची विकसित करणे.
२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून देणे.
३. विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.
४. विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी करून घेणे.
५. निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित करणे.

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	१) निवड - यशवंतराव चव्हाण २) वाटेवरच्या सावल्या - कुसुमाग्रज ३) पन्नास पैकी शून्य मार्कस् - शांताबाई शेळके	१५	१
विभाग २ Module II	४) शब्दांचे मोल - चंद्रशेखर धर्माधिकारी ५) संगमनेरचे दिवस - दया पवार व्यक्तिविशेष लेख : ६) संकल्प सिद्धीला नेणारा महापुरुष : डॉ. बापूजी साळुंखे - बळवंत देशमुख	१५	१
विभाग ३ Module III	• व्यक्तिमत्त्व संकल्पना • व्यक्तिमत्त्व विकासासाठी आवश्यक घटक • व्यक्तिमत्त्व विकासात भाषेचे महत्त्व	१५	१
विभाग ४ Module IV	• भाषिक कौशल्ये(श्रवण, वाचन, भाषण आणि लेखन कौशल्ये) • कार्यक्रमाचे संयोजन - स्वागत, प्रास्ताविक, परिचय, मनोगत, आभार, सूत्रसंचलन आणि कार्यक्रमाचे फलकलेखन	१५	१

संदर्भ ग्रंथसूची:

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	बदलते मराठी साहित्य व संस्कृती	संपा. विलास रणसुभे	श्रमिक प्रतिष्ठान, कोल्हापूर
२	शिक्षण महर्षी डॉ. बापूजी साळुंखे	संपा. सुरेश पाटील, तुकाराम पाटील	पारख प्रकाशन, बेळगांव
३	निळी पहाट	रा. ग. जाधव	सुरेश एजन्सी, पुणे
४	साहित्यसंवाद	वि. शं. चौघुले	प्रतिमा प्रकाशन, पुणे
५	मराठी साहित्यातील स्पंदने	गो. म. कुलकर्णी	सुपर्ण प्रकाशन, पुणे
६	साहित्यातील विचारधारा	के. रं. शिरवाडकर	पद्मगंधा प्रकाशन, पुणे
७	चिंतनाच्या वाटा	निर्मलकुमार फडकुले	मेहता पब्लिशिंग हाऊस, पुणे
८	साहित्य समजून घेताना	दत्ता भगत	मीरा बुक्स ॲण्ड पब्लिकेशन, औरंगाबाद
९	साहित्य : मूल्य आणि मूल्यांकन	निशिकांत ठकार	सुविधा प्रकाशन, सोलापूर
१०	साहित्य, भाषा आणि समाज	मिलिंद बोकिल	मौज प्रकाशन, मुंबई
११	व्यावहारिक मराठी	ल.रा. नसिराबादकर	फडके प्रकाशन, कोल्हापूर
१२	भाषिक सर्जन आणि उपयोजन	राजन गवस, अरुण शिंदे, गोमटेश्वर पाटील	दर्या प्रकाशन, पुणे
१३	व्यावहारिक मराठी	स्नेहल तावरे	स्नेहवर्धन प्रकाशन, पुणे
१४	सूत्रसंचलन : एक प्रयत्नसाध्य कला	श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, इस्लामपूर

प्रश्नपत्रिकेचे स्वरूप
Pattern of Question Paper

एकूण गुण – ५० : Total Marks – 50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील

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SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१/बी.कॉम.१ : B.A. I/B.Com I

अभ्यासक्रम : Syllabus

June 2018 onward

Board of Studies in Marathi

Choice Based Credit System

Compulsory Generic Elective (CGE-2) : Marathi (Course - B)

आवश्यक अनुषंगिक निवड (CGE-2) : मराठी (अभ्यासपत्रिका - ब)

सत्र २ : Semester - II

पाठ्यपुस्तक - शब्दसंहिता

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	१. संत नामदेव १) पतितपावन २) पंढरीस जावे २. अनंत फंदी १) जमाना आला उफराटा २) हे मुर्खा खूण तर्का ३. महात्मा फुले १) मानवांचा धर्म एक २) धीर ४. बालकवी १) फुलराणी २) अप्सरांचे गाणे	१५	१
विभाग २ Module II	५. विंदा करंदीकर १) माझ्या मना बन दगड २) झपताल ६. वाहरू सोनवणे १) गोधड २) चळवळ म्हणजे ७. प्रज्ञा दया पवार १) माणसासारखा माणूस असूनही २) आग आणि फुफाटा ८. एकनाथ पाटील १) शहर एक उदास पोकळी २) शोधयात्रा	१५	१
विभाग ३ Module III	• निबंधाचे स्वरूप, व्याप्ती • निबंधाचे घटक • निबंधाचे प्रकार • निबंधाची वैशिष्ट्ये	१५	१
विभाग ४ Module IV	• निंबध लेखन (प्रात्यक्षिकासह वर्गात सराव करून घेणे)	१५	१

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	नामदेव गाथा	ह. श्री. शेणोलीकर	साहित्य अकदमी, नवी दिल्ली
२	अनंत फंदी यांच्या कविता व लावण्या	संपा. मधुकर मोंढे	पद्मगंधा प्रकाशन, पुणे
३	महात्मा फुले समग्र वाङ्मय	संपा. धनंजय कीर व इतर	महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुबंई
४	समग्र बालकवी	संपा. नंदा आपटे	पॉप्युलर प्रकाशन, मुंबई
५	संहिता	संपा. मंगेश पाडगावकर	कॉन्टिनेन्टल प्रकाशन, पुणे
६	गोधड	वाहरु सोनवणे	रविराज प्रकाशन, पुणे
७	मी भिडवू पाहतेय समग्राशी डोळा	प्रज्ञा पवार	ग्रंथाली, मुंबई
८	खुंट्यांवर टांगलेली दु:खं	एकनाथ पाटील	पॉप्युलर प्रकाशन, मुंबई.
९	संत नामदेव	हे. वि. इनामदार	केसरी प्रकाशन, पुणे
१०	संत नामदेव : समाजशास्त्रीय अभ्यास	श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, पुणे
११	मराठी शाहिरी वाङ्मयाचे स्वरूप	चंद्रकांत व्यवहारे	विश्वभारती प्रकाशन, नागपूर
१२	मराठी साहित्य प्रेरणा व स्वरूप	संपा. गो. मा. पवार, म.द. हातकणंगलेकर	पॉप्युलर प्रकाशन, मुंबई
१३	साहित्य अध्यापन व प्रकार	संपा. श्री. पु. भागवत व इतर	पॉप्युलर प्रकाशन, मुंबई
१४	मराठी कविता आणि आधुनिकता	यशवंत मनोहर	सुगावा प्रकाशन, पुणे
१५	आदिवासी साहित्य आणि संस्कृती	भुजंग मेश्राम	लोकवाङ्मय गृह, मुंबई
१६	आदिवार्ता (वाहरू सोनवणे विशेषांक)	संपा. दिपककुमार वळवी, उमाकांत वळवी	शिवकमल प्रकाशन, कोल्हापूर
१७	वाहरू सोनवणे : व्यक्तीपासून समष्टीपर्यंतचा सम्यक प्रवास	संपा. प्रशांत नागावकर	सम्यक विद्रोही प्रबोधन प्रकाशन, कोल्हापूर
१८	वर्तमान पिढीचे संदर्भ	संपा. चंद्रकांत पोतदार	द.म.सा.प्रकाशन, कोल्हापूर
१९	काव्याची भूषणे	म.वा. धोंड	पद्मगंधा प्रकाशन, पुणे
२०	मराठी कवितेच्या नव्या दिशा	महेंद्र भवरे	लोकवाङ्मय गृह, मुंबई
२१	आदिवासी साहित्य	अमर कांबळे	निर्मिती प्रकाशन, कोल्हापूर
२२	मराठी निबंध	रा. ग. जाधव	कॉन्टिनेन्टल प्रकाशन, पुणे
२३	मरठी निबंध : उद्गम आणि विकास	गिरीश मोरे	स्वरूप प्रकाशन, औरंगाबाद

प्रश्नपत्रिका स्वरूप

Pattern of Question Paper

एकूण गुण – ५० : Total Marks – 50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील निबंधलेखन (चार पैकी एक)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

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बी.ए.१ : B.A. I

अभ्यासक्रम : Syllabus

June 2018 onward

Board of Studies in Marathi

Choice Based Credit System

Discipline Specific Core (DSC-A1) : Marathi (Course - I)

विद्याशाखीय विशेष गाभा (DSC-A1) : मराठी (अभ्यासपत्रिका - १)

सत्र १ : Semester - I

पाठ्यपुस्तक - अक्षरबंध

१. **कथा - निवडक भास्कर चंदनशिव - लाल चिखल (निवडक कथा)**

संपा. इंद्रजित भालेराव, लोकवाङ्मय गृह, मंबई.

२. **चित्रपट : आस्वाद प्रक्रिया**

उद्दिष्टये :

१. विद्यार्थ्यांची मराठी भाषा आणि साहित्याविषयी अभिरूची विकसित करणे.

२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून देणे.

३. विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.

४. विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी करून घेणे.

५. चित्रपट आणि प्रसारमाध्यमे यांच्या लेखन आणि उपयोजनाच्या आकलनाचा अवकाश वाढविणे.

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	कथा - निवडक भास्कर चंदनशिव ● उमाळं ● जांभळढव्ह ● तडा	१५	१
विभाग २ Module II	● वासना ● लाल चिखल ● पाणी	१५	१
विभाग ३ Module III	● चित्रपट म्हणजे काय? ● चित्रपट : एक दृक श्राव्य माध्यम ● चित्रपट : माध्यमांतर ● दिग्दर्शकाचा दृष्टिकोन ● छायाचित्रण	१५	१

विभाग ४ Module IV	• चित्रपटाची कथा – पटकथा – संवाद • चित्रपटाचे संगीत – गीत • अभिनय • ध्वनी – प्रकाशयोजना – वेशभुषा • संकलन – संपादन • चित्रपटाचा आश्वाद	१५	१

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	मराठी कथा : रूप आणि परिसर	म. द. हातकणंगलेकर	सुपर्ण प्रकाशन, पुणे
२	भास्कर चंदनशिव यांची कथा आणि स्वरूप	सुनील चंदनशिवे	शब्दाली प्रकाशन, पुणे
३	कथाकार भास्कर चंदनशिव	मथू सावंत	सुविधा प्रकाशन, सोलापूर
४	मराठी साहित्य : आकलन आणि आस्वाद	विश्वनाथ शिंदे	शब्दालय प्रकाशन, श्रीरामपूर
५	माती आणि नाती	भास्कर चंदनशिव	निर्मल प्रकाशन, नांदेड
६	ग्रामीण साहित्य आणि संस्कृती	मोहन पाटील	स्वरूप प्रकाशन, औरंगाबाद
७	शूटिंग	श्री. दा. पानवलकर	मौज प्रकाशन, मंबई
८	सय	सई परांजपे	पॉप्युलर प्रकाशन, मुंबई
९	लमाण	डॉ. श्रीराम लागू	पॉप्युलर प्रकाशन, मुंबई
१०	सामना (चित्रपटाची पटकथा)	विजय तेंडूलकर	नीलकंठ प्रकाशन, पुणे
११	चौकटीबाहेरचा सिनेमा	गणेश मतकरी	पॉप्युलर प्रकाशन, मुंबई
१२	चलतचित्र	अरुण खोपकर	राजहंस प्रकाशन, पुणे
१३	अभिनयाचे प्राथमिक सहा पाठ	सदाशिव अमरापूरकर, विनायक दातेगावकर	लोकवाङमयगृह प्रकाशन, मुंबई.

प्रश्नपत्रिका स्वरूप

Pattern of Question Paper

एकूण गुण – ५० : Total Marks – 50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

शिवाजी विद्यापीठ, कोल्हापूर
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अभ्यासक्रम : Syllabus

June 2018 onward

Board of Studies in Marathi

Choice Based Credit System

Discipline Specific Core (DSC-A13) : Marathi (Course - II)

विद्याशाखीय विशेष गाभा (DSC-A13) : मराठी (अभ्यासपत्रिका - २)

सत्र २ : Semester - II

पाठ्यपुस्तक - अक्षरबंध

१. **कविता : ... बाकी सर्व ठीक आहे** - लोकनाथ यशवंत (निवडक कविता)
प्रकाशक - समुद्र पब्लिकेशन, नागपूर

२. **वृत्तपत्रीय व स्पर्धा परीक्षेसाठी लेखन**

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	...बाकी सर्व ठीक आहे - लोकनाथ यशवंत (निवडक कविता) १) जीवाचा आटापिटा २) मुख्यप्रवाह ३) एका वृक्षाची गोष्ट ४) राग ५) जीवन सुंदर आहे ६) भविष्य ७) तडजोड ८) पर्सनल मुलाखत	१५	१
विभाग २ Module II	९) गौडबंगाल १०) पर्यावरण ११) सोन्याचा दात १२) मांजर १३) स्पर्श १४) युद्ध असे सुरू होते १५) जन्म आईचा १६) शेतमजूर	१५	१
विभाग ३ Module III	वृत्तपत्रीय लेखन ● बातमी ● अग्रलेख ● वाचकांचा पत्रव्यवहार ● नाटक/चित्रपट परीक्षण	१५	१

विभाग ४ Module IV	**उपयोजित व स्पर्धा परीक्षेसाठी लेखन** अ) पत्रलेखन : पत्रलेखनाचे स्वरूप व प्रकार, पत्रलेखनाचे बदलते स्वरूप – ई. पत्रव्यवहार, प्रात्यक्षिकासह पत्रलेखन ब) आकलन : ● आकलनाचे स्वरूप ● उताऱ्याचे आकलन ● कवितेचे आकलन ● प्रात्यक्षिकासह उतारा व कवितेवरील आकलन	१५	१

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक/संपादक	प्रकाशन
१	दलित साहित्याची वैचारिक पार्श्वभूमी	जनार्दन वाघमारे	स्वरुप प्रकाशन, औरंगाबाद
२	दलित साहित्य : एक अभ्यास	संपा. अर्जुन डांगळे	सुगावा प्रकाशन, पुणे
३	दलित कवितेचे नवे प्रवाह	महेंद्र भवरे	शब्दालय प्रकाशन, श्रीरामपूर
४	दलित कविता व दलित साहित्याचे सौंदर्यशास्त्र	म. सु. पाटील	पद्मगंधा प्रकाशन, पुणे
५	बदलते मराठी साहित्य व संस्कृती	संपा. विलास रणसुभे	श्रमिक प्रतिष्ठान, कोल्हापूर
६	साहित्य, भाषा आणि समाज	मिलिंद बोकिल	मौज प्रकाशन, मुंबई
७	मराठी कविता : आकलन आणि आस्वाद	नागनाथ कोत्तापल्ले	स्वरूप प्रकाशन, औरंगाबाद
८	आंबेडकरी साहित्य : स्थिती आणि स्थित्यंतरे	भगवान ठाकूर	आकांक्षा प्रकाशन, पुणे
९	सदाचार अर्थात नैतिक मूल्यांचे शिक्षण	संपा.रघुनाथ केंगार, दादासाहेब यादव	क्रांतिबा प्रकाशन, कराड
१०	व्यावहारिक मराठी	संपा. सयाजीराजे मोकाशी, रंजना नेमाडे	नागनालंदा प्रकाशन, इस्लामपूर
११	भाषिक सर्जन व उपयोजन	राजन गवस, अरूण शिंदे, गोमटेश्वर पाटील	दर्या प्रकाशन, पुणे
१२	व्यावहारिक मराठी	स्नेहल तावरे	स्नेहवर्धन प्रकाशन, पुणे
१३	प्रबोधनाची निवडक पत्रे	डॉ. श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, इस्लामपूर

प्रश्नपत्रिका स्वरूप
Pattern of Question Paper

एकूण गुण – ५० : Total Marks – 50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

SHIVAJI UNIVERSITY, KOLHAPUR

Accredided by NAAC 'A++' Grade

CHOICE BASED CREDIT SYSTEM WITH

MULTIPLE ENTRY AND MULTIPLE EXIT OPTIONS IN THE UNDERGRADUATE DEGREE PROGRAMMES

(Regulations in accordance with National Education Policy 2020 to be implemented from Academic Year 2022-23 onwards)

समकक्षता

		जुना अभ्यासक्रम		नवा अभ्यासक्रम
सत्र क्र. Sem.	**अभ्यास पत्रिका क्र.** Paper No.	**अभ्यासपत्रिकेचे नाव**	**अभ्यास पत्रिका क्र.** Paper No.	**अभ्यासपत्रिकेचे नाव**
I	I	शब्दसंहिता	I	शब्दसंहिता
II	II	शब्दसंहिता	II	शब्दसंहिता
I	I	अक्षरबंध	I	अक्षरबंध
II	II	अक्षरबंध	II	अक्षरबंध

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१/बी.कॉम.१ : B.A. I/B.Com I

अभ्यासक्रम : Syllabus

June 2022 onward

Board of Studies in Marathi

C. B. C. S. with M.E. & M. E. in accordance with N.E.P. - 2020

Generic Elective Core (GEC-1) : Marathi (Course - A)

अनुषंगिक निवड (GEC-1) : मराठी (अभ्यासपत्रिका - अ)

सत्र १ : Semester - I

पाठ्यपुस्तक - शब्दसंहिता

१. **नापास मुलांची गोष्ट (निवडक लेख)**
संपा. अरुण शेवते, ऋतुरंग प्रकाशन, मुंबई.

२. **व्यक्तिमत्त्व विकास आणि भाषा**

उद्दिष्टे :

१. विद्यार्थ्यांची मराठी भाषा आणि साहित्याविषयी अभिरूची विकसित करणे.
२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून देणे.
३. विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.
४. विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी करून घेणे.
५. निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित करणे.

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	१) निवड - यशवंतराव चव्हाण २) वाटेवरच्या सावल्या - कुसुमाग्रज ३) पन्नास पैकी शून्य मार्कस् - शांताबाई शेळके	१५	१
विभाग २ Module II	४) शब्दांचे मोल - चंद्रशेखर धर्माधिकारी ५) संगमनेरचे दिवस - दया पवार व्यक्तिविशेष लेख : ६) संकल्प सिद्धीला नेणारा महापुरुष : डॉ. बापूजी साळुंखे - बळवंत देशमुख	१५	१
विभाग ३ Module III	• व्यक्तिमत्त्व संकल्पना • व्यक्तिमत्त्व विकासासाठी आवश्यक घटक • व्यक्तिमत्त्व विकासात भाषेचे महत्त्व	१५	१
विभाग ४ Module IV	• भाषिक कौशल्ये(श्रवण, वाचन, भाषण आणि लेखन कौशल्ये) • कार्यक्रमाचे संयोजन - स्वागत, प्रास्ताविक, परिचय, मनोगत, आभार, सूत्रसंचलन आणि कार्यक्रमाचे फलकलेखन	१५	१

संदर्भ ग्रंथसूची:

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	बदलते मराठी साहित्य व संस्कृती	संपा. विलास रणसुभे	श्रमिक प्रतिष्ठान, कोल्हापूर
२	शिक्षण महर्षी डॉ. बापूजी साळुंखे	संपा. सुरेश पाटील, तुकाराम पाटील	पारख प्रकाशन, बेळगांव
३	निळी पहाट	रा. ग. जाधव	सुरेश एजन्सी, पुणे
४	साहित्यसंवाद	वि. शं. चौघुले	प्रतिमा प्रकाशन, पुणे
५	मराठी साहित्यातील स्पंदने	गो. म. कुलकर्णी	सुपर्ण प्रकाशन, पुणे
६	साहित्यातील विचारधारा	के. रं. शिरवाडकर	पद्मगंधा प्रकाशन, पुणे
७	चिंतनाच्या वाटा	निर्मलकुमार फडकुले	मेहता पब्लिशिंग हाऊस, पुणे
८	साहित्य समजून घेताना	दत्ता भगत	मीरा बुक्स अॅण्ड पब्लिकेशन, औरंगाबाद
९	साहित्य : मूल्य आणि मूल्यांकन	निशिकांत ठकार	सुविधा प्रकाशन, सोलापूर
१०	साहित्य, भाषा आणि समाज	मिलिंद बोकिल	मौज प्रकाशन, मुंबई
११	व्यावहारिक मराठी	ल.रा. नसिराबादकर	फडके प्रकाशन, कोल्हापूर
१२	भाषिक सर्जन आणि उपयोजन	राजन गवस, अरुण शिंदे, गोमटेश्वर पाटील	दर्या प्रकाशन, पुणे
१३	व्यावहारिक मराठी	स्नेहल तावरे	स्नेहवर्धन प्रकाशन, पुणे
१४	सूत्रसंचलन : एक प्रयत्नसाध्य कला	श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, इस्लामपूर

प्रश्नपत्रिकेचे स्वरूप
Pattern of Question Paper

एकूण गुण – ४० : Total Marks – 40

प्रश्न १	योग्य पर्याय निवडा	८ गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	८ गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	८ गुण

टीप : १) प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

२) अंतर्गत मूल्यमापनासाठी १० गुणांसाठी प्रस्तुत अभ्यासपत्रिकानुषंगाने गृहपाठ असेल.

३) या सत्रात प्रत्येक विद्यार्थ्याने Skill Enhancement Course (SEC) पुढील लिंकवर जावून पूर्ण करणे बंधनकारक राहील.
https://drive.google.com/file/d/176Vwvx4SC2ONrt69XADruzI2qnfBPI_o/view?usp=sharing

४) या सत्रात प्रत्येक विद्यार्थ्याने बहाही अकादमी, पाचगणी यांचा Value Based Course पूर्ण करणे बंधनकारक.

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१/बी.कॉम.१ : B.A. I/B.Com I

अभ्यासक्रम : Syllabus

June 2022 onward

Board of Studies in Marathi
C. B. C. S. with M.E. & M. E. in accordance with N.E.P. - 2020

Generic Elective Core (GEC-2) : Marathi (Course - B)

अनुषंगिक निवड (GEC-2) : मराठी (अभ्यासपत्रिका - ब)

सत्र २ : Semester - II

पाठ्यपुस्तक - शब्दसंहिता

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	१. संत नामदेव १) पतितपावन २) पंढरीस जावे २. अनंत फंदी १) जमाना आला उफराटा २) हे मुर्खा खूण तर्का ३. महात्मा फुले १) मानवांचा धर्म एक २) धीर ४. बालकवी १) फुलराणी २) अप्सरांचे गाणे	१५	१
विभाग २ Module II	५. विंदा करंदीकर १) माझ्या मना बन दगड २) झपताल ६. वाहरू सोनवणे १) गोधड २) चळवळ म्हणजे ७. प्रज्ञा दया पवार १) माणसासारखा माणूस असूनही २) आग आणि फुफाटा ८. एकनाथ पाटील १) शहर एक उदास पोकळी २) शोधयात्रा	१५	१
विभाग ३ Module III	• निबंधाचे स्वरूप, व्याप्ती • निबंधाचे घटक • निबंधाचे प्रकार • निबंधाची वैशिष्ट्ये	१५	१
विभाग ४ Module IV	• निंबध लेखन (प्रात्यक्षिकासह वर्गात सराव करून घेणे)	१५	१

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	नामदेव गाथा	ह. श्री. शेणोलीकर	साहित्य अकदमी, नवी दिल्ली
२	अनंत फंदी यांच्या कविता व लावण्या	संपा. मधुकर मोंढे	पद्मगंधा प्रकाशन, पुणे
३	महात्मा फुले समग्र वाङ्मय	संपा. धनंजय कीर व इतर	महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुबंई
४	समग्र बालकवी	संपा. नंदा आपटे	पॉप्युलर प्रकाशन, मुंबई
५	संहिता	संपा. मंगेश पाडगावकर	कॉन्टिनेन्टल प्रकाशन, पुणे
६	गोधड	वाहरु सोनवणे	रविराज प्रकाशन, पुणे
७	मी भिडवू पाहतेय समग्राशी डोळा	प्रज्ञा पवार	ग्रंथाली, मुंबई
८	खुंट्यांवर टांगलेली दु:खं	एकनाथ पाटील	पॉप्युलर प्रकाशन, मुंबई.
९	संत नामदेव	हे. वि. इनामदार	केसरी प्रकाशन, पुणे
१०	संत नामदेव : समाजशास्त्रीय अभ्यास	श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, पुणे
११	मराठी शाहिरी वाङ्मयाचे स्वरूप	चंद्रकांत व्यवहारे	विश्वभारती प्रकाशन, नागपूर
१२	मराठी साहित्य प्रेरणा व स्वरूप	संपा. गो. मा. पवार, म.द. हातकणंगलेकर	पॉप्युलर प्रकाशन, मुंबई
१३	साहित्य अध्यापन व प्रकार	संपा. श्री. पु. भागवत व इतर	पॉप्युलर प्रकाशन, मुंबई
१४	मराठी कविता आणि आधुनिकता	यशवंत मनोहर	सुगावा प्रकाशन, पुणे
१५	आदिवासी साहित्य आणि संस्कृती	भुजंग मेश्राम	लोकवाङ्मय गृह, मुंबई
१६	आदिवार्ता (वाहरू सोनवणे विशेषांक)	संपा. दिपककुमार वळवी, उमाकांत वळवी	शिवकमल प्रकाशन, कोल्हापूर
१७	वाहरू सोनवणे : व्यक्तीपासून समष्टीपर्यंतचा सम्यक प्रवास	संपा. प्रशांत नागावकर	सम्यक विद्रोही प्रबोधन प्रकाशन, कोल्हापूर
१८	वर्तमान पिढीचे संदर्भ	संपा. चंद्रकांत पोतदार	द.म.सा.प्रकाशन, कोल्हापूर
१९	काव्याची भूषणे	म.वा. धोंड	पद्मगंधा प्रकाशन, पुणे
२०	मराठी कवितेच्या नव्या दिशा	महेंद्र भवरे	लोकवाङ्मय गृह, मुंबई
२१	आदिवासी साहित्य	अमर कांबळे	निर्मिती प्रकाशन, कोल्हापूर
२२	मराठी निबंध	रा. ग. जाधव	कॉन्टिनेन्टल प्रकाशन, पुणे
२३	मरठी निबंध : उद्गम आणि विकास	गिरीश मोरे	स्वरूप प्रकाशन, औरंगाबाद

प्रश्नपत्रिका स्वरूप

Pattern of Question Paper

एकूण गुण – ४० : Total Marks – 40

प्रश्न १	योग्य पर्याय निवडा	८ गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	८ गुण
प्रश्न ५	विभाग ४ वरील निबंधलेखन (चार पैकी एक)	८ गुण

टीप : १) प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

२) अंतर्गत मूल्यमापनासाठी १० गुणांसाठी प्रस्तुत अभ्यासपत्रिकानुषंगाने घटक चाचणी असेल.

३)) या सत्रात प्रत्येक विद्यार्थ्याने Skill Enhancement Course (SEC) पुढील लिंकवर जावून पूर्ण करणे बंधनकारक राहील.

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शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१ : B.A. I

अभ्यासक्रम : Syllabus

June 2022 onward

Board of Studies in Marathi
C. B. C. S. with M.E. & M. E. in accordance with N.E.P. - 2020
Discipline Specific Core (DSC-A1) : Marathi (Course - I)
विद्याशाखीय विशेष गाभा (DSC-A1) : मराठी (अभ्यासपत्रिका - १)

सत्र १ : Semester - I

पाठ्यपुस्तक - अक्षरबंध

१. कथा - निवडक भास्कर चंदनशिव - लाल चिखल (निवडक कथा)

संपा. इंद्रजित भालेराव, लोकवाङ्मय गृह, मंबई.

२. चित्रपट : आस्वाद प्रक्रिया

उद्दिष्टे :

१. विद्यार्थ्यांची मराठी भाषा आणि साहित्याविषयी अभिरूची विकसित करणे.

२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून देणे.

३. विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.

४. विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी करून घेणे.

५. चित्रपट आणि प्रसारमाध्यमे यांच्या लेखन आणि उपयोजनाच्या आकलनाचा अवकाश वाढविणे.

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	कथा - निवडक भास्कर चंदनशिव उमाळं जांभळढव्ह तडा	१५	१
विभाग २ Module II	वासना लाल चिखल पाणी	१५	१
विभाग ३ Module III	चित्रपट म्हणजे काय? चित्रपट : एक दृक श्राव्य माध्यम चित्रपट : माध्यमांतर दिग्दर्शकाचा दृष्टिकोन छायाचित्रण	१५	१
विभाग ४	चित्रपटाची कथा - पटकथा - संवाद	१५	१

Module IV	चित्रपटाचे संगीत – गीत अभिनय ध्वनी – प्रकाशयोजना – वेशभुषा संकलन – संपादन चित्रपटाचा आश्वाद		

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक / संपादक	प्रकाशन
१	मराठी कथा : रूप आणि परिसर	म. द. हातकणंगलेकर	सुपर्ण प्रकाशन, पुणे
२	भास्कर चंदनशिव यांची कथा आणि स्वरूप	सुनील चंदनशिवे	शब्दाली प्रकाशन, पुणे
३	कथाकार भास्कर चंदनशिव	मथू सावंत	सुविधा प्रकाशन, सोलापूर
४	मराठी साहित्य : आकलन आणि आस्वाद	विश्वनाथ शिंदे	शब्दालय प्रकाशन, श्रीरामपूर
५	माती आणि नाती	भास्कर चंदनशिव	निर्मल प्रकाशन, नांदेड
६	ग्रामीण साहित्य आणि संस्कृती	मोहन पाटील	स्वरूप प्रकाशन, औरंगाबाद
७	शूटिंग	श्री. दा. पानवलकर	मौज प्रकाशन, मंबई
८	सय	सई परांजपे	पॉप्युलर प्रकाशन, मुंबई
९	लमाण	डॉ. श्रीराम लागू	पॉप्युलर प्रकाशन, मुंबई
१०	सामना (चित्रपटाची पटकथा)	विजय तेंडूलकर	नीलकंठ प्रकाशन, पुणे
११	चौकटीबाहेरचा सिनेमा	गणेश मतकरी	पॉप्युलर प्रकाशन, मुंबई
१२	चलतचित्र	अरुण खोपकर	राजहंस प्रकाशन, पुणे
१३	अभिनयाचे प्राथमिक सहा पाठ	सदाशिव अमरापूरकर, विनायक दातेगावकर	लोकवाङमयगृह प्रकाशन, मुंबई.

प्रश्नपत्रिका स्वरूप

Pattern of Question Paper

एकूण गुण – ४० : Total Marks – 40

प्रश्न १	योग्य पर्याय निवडा	८ गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	८ गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	८ गुण

टीप : १) प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

२) अंतर्गत मूल्यमापनासाठी १० गुणांसाठी प्रस्तुत अभ्यासपत्रिकानुषंगाने गृहपाठ असेल.

३) या सत्रात प्रत्येक विद्यार्थ्याने Skill Enhancement Course (SEC) पुढील लिंकवर जावून पूर्ण करणे बंधनकारक राहील.

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४) या सत्रात प्रत्येक विद्यार्थ्याने बहाही अकादमी, पाचगणी यांचा Value Based Course पूर्ण करणे बंधनकारक.

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए.१ : B.A. I

अभ्यासक्रम : Syllabus

June 2022 onward

Board of Studies in Marathi
C. B. C. S. with M.E. & M. E. in accordance with N.E.P. - 2020
Discipline Specific Core (DSC-A13) : Marathi (Course - II)
विद्याशाखीय विशेष गाभा (DSC-A13) : मराठी (अभ्यासपत्रिका - २)

सत्र २ : Semester - II

पाठ्यपुस्तक - अक्षरबंध

१. **कविता : ... बाकी सर्व ठीक आहे** - लोकनाथ यशवंत (निवडक कविता)

प्रकाशक - समुद्र पब्लिकेशन, नागपूर

२. **वृत्तपत्रीय व स्पर्धा परीक्षेसाठी लेखन**

अ.क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	...बाकी सर्व ठीक आहे - लोकनाथ यशवंत (निवडक कविता) १) जीवाचा आटापिटा २) मुख्यप्रवाह ३) एका वृक्षाची गोष्ट ४) राग ५) जीवन सुंदर आहे ६) भविष्य ७) तडजोड ८) पर्सनल मुलाखत	१५	१
विभाग २ Module II	९) गौडबंगाल १०) पर्यावरण ११) सोन्याचा दात १२) मांजर १३) स्पर्श १४) युद्ध असे सुरू होते १५) जन्म आईचा १६) शेतमजूर	१५	१
विभाग ३ Module III	वृत्तपत्रीय लेखन ● बातमी ● अग्रलेख ● वाचकांचा पत्रव्यवहार ● नाटक/चित्रपट परीक्षण	१५	१

विभाग ४ Module IV	**उपयोजित व स्पर्धा परीक्षेसाठी लेखन** अ) पत्रलेखन : पत्रलेखनाचे स्वरूप व प्रकार, पत्रलेखनाचे बदलते स्वरूप – ई. पत्रव्यवहार, प्रात्यक्षिकासह पत्रलेखन ब) आकलन : • आकलनाचे स्वरूप • उताऱ्याचे आकलन • कवितेचे आकलन • प्रात्यक्षिकासह उतारा व कवितेवरील आकलन	१५	१

संदर्भ ग्रंथसूची :

अ.क्र.	ग्रंथाचे नांव	लेखक/संपादक	प्रकाशन
१	दलित साहित्याची वैचारिक पार्श्वभूमी	जनार्दन वाघमारे	स्वरुप प्रकाशन, औरंगाबाद
२	दलित साहित्य : एक अभ्यास	संपा. अर्जुन डांगळे	सुगावा प्रकाशन, पुणे
३	दलित कवितेचे नवे प्रवाह	महेंद्र भवरे	शब्दालय प्रकाशन, श्रीरामपूर
४	दलित कविता व दलित साहित्याचे सौंदर्यशास्त्र	म. सु. पाटील	पद्मगंधा प्रकाशन, पुणे
५	बदलते मराठी साहित्य व संस्कृती	संपा. विलास रणसुभे	श्रमिक प्रतिष्ठान, कोल्हापूर
६	साहित्य, भाषा आणि समाज	मिलिंद बोकिल	मौज प्रकाशन, मुंबई
७	मराठी कविता : आकलन आणि आस्वाद	नागनाथ कोत्तापल्ले	स्वरूप प्रकाशन, औरंगाबाद
८	आंबेडकरी साहित्य : स्थिती आणि स्थित्यंतरे	भगवान ठाकूर	आकांक्षा प्रकाशन, पुणे
९	सदाचार अर्थात नैतिक मूल्यांचे शिक्षण	संपा.रघुनाथ केंगार, दादासाहेब यादव	क्रांतिबा प्रकाशन, कराड
१०	व्यावहारिक मराठी	संपा. सयाजीराजे मोकाशी, रंजना नेमाडे	नागनालंदा प्रकाशन, इस्लामपूर
११	भाषिक सर्जन व उपयोजन	राजन गवस, अरूण शिंदे, गोमटेश्वर पाटील	दर्या प्रकाशन, पुणे
१२	व्यावहारिक मराठी	स्नेहल तावरे	स्नेहवर्धन प्रकाशन, पुणे
१३	प्रबोधनाची निवडक पत्रे	डॉ. श्यामसुंदर मिरजकर	नागनालंदा प्रकाशन, इस्लामपूर

प्रश्नपत्रिका स्वरूप

Pattern of Question Paper

एकूण गुण – ४० : Total Marks – 40

प्रश्न १	योग्य पर्याय निवडा	८ गुण
प्रश्न २	विभाग १ वरील दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ३	विभाग २ वरील दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८ गुण
प्रश्न ४	विभाग ३ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	८ गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	८ गुण

टीप : १) प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १ व २ वरील असतील.

२) अंतर्गत मूल्यमापनासाठी १० गुणांसाठी प्रस्तुत अभ्यासपत्रिकानुषंगाने घटक चाचणी असेल.

३) या सत्रात प्रत्येक विद्यार्थ्याने Skill Enhancement Course (SEC) पुढील लिंकवर जावून पूर्ण करणे बंधनकारक राहील.

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शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
विषयः मराठी (ऐच्छिक) : तिसरे सत्र
अभ्यासपत्रिका क्रमांक 3 (गद्य)
('सभासदाची बखर' व अनुवादप्रक्रिया)
(अध्यापन : जून, 2014 पासून)

- उद्दिष्टे
  1.मध्ययुगीन मराठी वाङ्मयाचा व भाषेचा परिचय करून देणे
  2. अनुवादप्रकियेचा परिचय देणे

- अभ्यासक्रम :
  1. पाठय पुस्तक : कृष्णाजी अनंत सभासद विरचित शिवछत्रपतींचे चरित्र (सभासद बखर) : संपादक हेरवाडकर र.वि. (व्हीनस प्रकाशन, पुणे)
  2. अनुवाद प्रक्रिया :1.अनुवाद, भाषांतर व रूपांतर
     2. अनुवादकाचे गुण व पूर्वतयारी
- पूरक वाचन :
  1. बखर वाङ्मय : उद्गम आणि विकास :डॉ. बापूजी संकपाळ
  2. अनुवादमीमांसा : संपादक केशव तुपे
  3. मराठी बखर : र.वि. हेरवाडकर
- संदर्भ ग्रंथ
  1. मराठी बखर गद्य : गं. ब. ग्रामोपाध्ये
  2. भाषांतर मीमासा : संपादक कल्याण काळे
  3. प्राचीन मराठी गद्य प्ररेणा आणि परंपरा : श्रीरंग रंगनाथ कुलकर्णी

- प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('सभासद बखर' वर)	(5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('सभासद बखर' वर)	(15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न (3 पैकी 2) ('सभासद बखर' वर)	(20 गुण)
प्रश्न 4 अंतर्गत विकल्पासह अनुवादप्रक्रियेवर लघुत्तरी प्रश्न	(10 गुण)

शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
विषयः मराठी (ऐच्छिक) : तिसरे सत्र
अभ्यासपत्रिका कमांक 4 (पद्य)
('जनाबाईचे अभंग' व संपादनप्रक्रिया)
(अध्यापन : जून, 2014 पासून)

- उद्दिष्टे
  1.मध्ययुगीन मराठी वाङ्मयाचा, भाषेचा परिचय करून देणे
  2.संपादनप्रकियेचा परिचय देणे

- अभ्यासकम
  1. पाठयपुस्तक : जनाबाईचे अभंग
     (शिवाजी विद्यापीठ, कोल्हापूर प्रकाशित पाठयपुस्तक)
  2. संपादनप्रक्रिया : 1.संपादनाचे स्वरूप
     2. संपादकाचे गुण व पूर्वतयारी

- पुरक वाचन :
  1 प्राचीन मराठी संत कवयित्रींचे कार्य : डॉ सुहासिनी इर्लेकर
  2 संत जनाबाईचे : चरित्र व काव्य : डॉ. गं. ब. ग्रामापाध्ये
  3. व्याहारिक मराठी : डॉ. ल. रा. नसिराबादकर

- संदर्भग्रंथ
  1. मध्ययुगीन साहित्याविषयी : डॉ. सतीश बडवे
  2. संत, पंत आाणि तंत : श्री. म. माटे.

- प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('जनाबाईचे अभंग' वर) (5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('जनाबाईचे अभंग' वर) (15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न (3 पैकी 2) ('जनाबाईचे अभंग' वर) (20 गुण)
प्रश्न 4 अंतर्गत विकल्पासह संपादनप्रक्रियेवर लघुत्तरी प्रश्न (10 गुण)

शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
विषयः मराठी (ऐच्छिक) : चौथे सत्र
अभ्यासपत्रिका कमांक 5 (गद्य)
('वाणीकिडे' व अनुवादप्रक्रिया)
(अध्यापन : जून, 2014 पासून)

- उद्दिष्टे
  1. समकालिन जाणिवा व्यक्त करण्या–या कथेचा परिचय करून देणे
  2. अनुवादप्रक्रियेचा परिचय देणे

- अभ्यासकम
  1. पाठयपुस्तक : वाणीकिडे : निशिकांत गुरव
     (दर्या प्रकाशन, पुणे)
  2. अनुवादप्रकिया : 1.जाहिरातीच्या अनुवादाचे स्वरूप
     2. बातमीच्या अनुवादाचे स्वरूप
- पूरक वाचन :
  1. मराठी कथा रूप आणि परिसर : म. द. हातकणंगलेकर
  2. जाहिरातीचं जग : यशोदा भागवत
  3. कथा : संकल्पना आणि समीक्षा : सुधा जोशी

- संदर्भग्रंथ
  1. अनुवादमीमांसा : संपादक केशव तुपे
  2. रूजुवात : अशोक केळकर
  3. मराठी कथा : उद्‌गम आणि विकास : डॉ. इंदुमती शेवडे

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('वाणीकिडे' वर) (5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('वाणीकिडे' वर) (15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न(3 पैकी 2) ('वाणीकिडे' वर) (20 गुण)
प्रश्न 4 अनुवादप्रक्रियेवर विवेचनात्मक व उपयोजनात्मक अंतर्गत विकल्पासह प्रश्न (10 गुण)

शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
विषयः मराठी (ऐच्छिक) : चौथे सत्र
अभ्यासपत्रिका क्रमांक 6 (पद्य)
('तळ ढवळताना' व संपादनप्रक्रिया)
(अध्यापन : जून, 2014 पासून)

- उद्दिष्टे
  1.समकालीन जाणिवा व्यक्त करण्या–या कवितेचा परिचय करून देणे
  2. संपादनप्रक्रियेचा परिचय देणे

- अभ्यासक्रम
  1. पाठयपुस्तक : तळ ढवळताना : लहू कानडे
     (लोकवाङ्मय गृह प्रकाशन,मुबंई)
  2. संपादनप्रक्रिया : 1. संपादनाची विविधता
     2. ग्रंथ, मासिक व अहवालाचे संपादन
- पूरक वाचन :
  1. दलित कवितेतील नवे प्रवाह : महेंद्र भवरे
  2. संपादन : अरविंद गोखले
- संदर्भग्रंथ
  1. दलित कवितेतील विद्रोह : म. सु. पाटील
  2. कवितेविषयी : वसंत अबाजी डहाके
  3. आवडनिवड : रफिकसुरज मुल्ला

- प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('तळ ढवळताना' वर) (5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('तळ ढवळताना' वर) (15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न (3 पैकी 2) ('तळ ढवळताना' वर) (20 गुण)
प्रश्न 4 संपादनप्रकियेवर अंतर्गत विकल्पासह लघुत्तरी प्रश्न (10 गुण)

शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
मराठी (I.D.S) : तिसरे सत्र
अभ्यासपत्रिका क्रमांक 1
('माणदेशी माणसं' व संवादप्रक्रिया)
(अध्यापन जून, 2014 पासून)

- उद्दिष्टे
  1.व्यक्तिचित्रणात्मक, ग्रामीण कथांचा परिचय करून देणे
  2. संवादप्रक्रियेचा परिचय देणे

- अभ्यासक्रम
  1. पाठयपुस्तक : माणदेशी माणसं : व्यंकटेश माडगूळकर
     (मेहता पब्लिशिंग हाऊस, पुणे)
  2. संवादप्रक्रिया : 1. संवादाचे स्वरूप
     2. संवादकौशल्ये (शब्दनिवड, उच्चार, भाषामाध्यम, अर्थघनता)
- पूरक वाचन :
  1. ग्रामीण साहित्य : स्वरूप आणि शोध : डॉ. नागनाथ कोत्तापल्ले
  2. संवादशास्त्र : श्रीपाद जोशी
- संदर्भ ग्रंथ
  1. ग्रामीणता : साहित्य आणि वास्तव : आनंद यादव
  2. सृजनात्मक लेखन : आनंद पाटील

- प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('माणदेशी माणसं' वर)	(5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('माणदेशी माणसं' वर)	(15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न (3 पैकी 2) ('माणदेशी माणसं' वर)	(20 गुण)
प्रश्न 4 अंतर्गत विकल्पासह संवादप्रक्रियेवर लघुत्तरी प्रश्न	(10 गुण)

शिवाजी विद्यापीठ, कोल्हापूर
बी.ए.भाग 2
विषयः मराठी (I.D.S) : चौथे सत्र
अभ्यासपत्रिका कमांक 2
('झिम पोरी झिम' व संवादप्रकिया)
(अध्यापन जून, 2014 पासून)

- उद्दिष्टे
  1. समकालीन जाणिवा असणा–या कादंबरीचा परिचय करून देणे
  2. संवादप्रक्रियेचा परिचय देणे

- अभ्यासकम
  1. पाठयपुस्तक : 'झिम पोरी झिम' : बालाजी मदन इंगळे
     जनशक्ती वाचक चळवळ, औरंगाबाद)
  2. संवादप्रकिया : 1. प्रसारमाध्यमातील संवाद (दूरध्वनी, कॉलसेंटर्स)
     2. दोन व्यक्ती अथवा सभा /गटातील संवाद
- पूरक वाचन :
  1. मराठी ग्रामीण कादंबरी : डॉ. रवींद्र ठाकूर
  2. देहबोली : अंजली पेंडसे

- संदर्भग्रंथ
  1. गेल्या अर्धशतकातील मराठी कादंबरी : डॉ.विलास खोले
  2. व्यावहारिक मराठी : स्नेहल तावरे

- प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

प्रश्न 1 योग्य पर्याय निवडा : ('झिम पोरी झिम' वर) (5 गुण)
प्रश्न 2 अंतर्गत विकल्पासह दीर्घात्तरी प्रश्न ('झिम पोरी झिम' वर) (15 गुण)
प्रश्न 3 लघुत्तरी प्रश्न (3 पैकी 2) ('झिम पोरी झिम' वर) (20 गुण)
प्रश्न 4 अंतर्गत विकल्पासह संवादप्रक्रियेवर विवेचनात्मक व उपयोजनात्मक प्रश्न (10 गुण)

	बी. ए. भाग 2 मराठी (ऐच्छिक) समकक्षता		
	सुधारित अभ्यासक्रम		**जुना अभ्यासक्रम**
1	तिसरे सत्र अभ्यासपत्रिका क्रमांक 3	1	तिसरे सत्र अभ्यासपत्रिका क्रमांक 3
2	तिसरे सत्र अभ्यासपत्रिका क्रमांक 4	2	तिसरे सत्र अभ्यासपत्रिका क्रमांक 4
3	चौथे सत्र अभ्यासपत्रिका क्रमांक 5	3	चौथे सत्र अभ्यासपत्रिका क्रमांक 5
4	चौथे सत्र अभ्यासपत्रिका क्रमांक 6	4	चौथे सत्र अभ्यासपत्रिका क्रमांक 6
	बी. ए. भाग 2 मराठी (आय.डी.एस.) समकक्षता		
1	तिसरे सत्र अभ्यासपत्रिका क्रमांक 1	1	तिसरे सत्र अभ्यासपत्रिका क्रमांक 1
2	चौथे सत्र अभ्यासपत्रिका क्रमांक 2	2	चौथे सत्र अभ्यासपत्रिका क्रमांक 2

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

बी.ए. भाग-२ : B.A. Part-II

अभ्यासक्रम : Syllabus

June, 2019 onward

मराठी अभ्यास मंडळ

Board of Studies in Marathi

Choice Based Credit System

सत्र-३ : Semister No. III

Discipline Specific Core Course (DSC-C1) Marathi Paper No.III

विद्याशाखीय विशेष गाभा (DSC-C1) (अभ्यासपत्रिका - ३)

साहित्यकृती : काय डेंजर वारा सुटलाय! (नाटक)

जयंत पवार, पॉप्युलर प्रकाशन, मुंबई, २०११

: मराठी भाषिक कौशल्ये

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

उद्दिष्ट्ये:

१. नाटक या वाङ्मय प्रकाराचे आकलन करून घेणे.

२. समकालीन नाटकातून नाटककाराच्या समकालाचे प्रतिबिंब कशाप्रकारे प्रकट होते याचा अभ्यास करणे.

३. नाट्याभ्यासाद्वारे प्रयोगरूप नाटक व नाट्यक्षेत्रातील ज्ञानसंपादनास चालना देणे.

४. नाट्याभ्यासातून सभ्यता, संस्कृती, राष्ट्रीय एकात्मता व बंधुता वाढीस लावणे.

५. विद्यार्थ्यांमध्ये संवादलेखन कौशल्ये विकसित करणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	काय डेंजर वारा सुटलाय! – आशयसूत्रे	१५	१
विभाग २ Module II	काय डेंजर वारा सुटलाय! – पात्रे, घटनाप्रसंग, संवाद व संघर्षाचे स्वरूप	१५	१
विभाग ३ Module III	काय डेंजर वारा सुटलाय! – नाट्यविशेष व भाषाविशेष	१५	१
विभाग ४ Module IV	उपयोजित मराठी – संवाद लेखन • संवाद : स्वरूप आणि व्याख्या • संवाद कौशल्यासाठी आवश्यक बाबी • संवादाचे प्रकार • उदाहरणदाखल कथानकावर संवादलेखन	१५	१

मूलभूत वाचन :

१. कदम–जांगडा, नीलिमा — लेख– 'अंतर्बाह्य हादरवणारा वारा' दै. वृत्तमाणूस, मुंबई, १४/८/२०१०

२. करमकर, दीपेश — लेख– 'जागतिकीकरणाचा डेंजर वारा' आपला परममित्र (दिवाळी अंक) नोव्हें.,डिसेंबर, २०१२

३. बागले, प्रभाकर — लेख– 'काय डेंजर वारा सुटलाय–एक विचार' साहित्य आणि सांस्कृतिक संवेदन, शब्दालय प्रकाशन, श्रीरामपूर.

४. जोशी, संजय भास्कर — लेख– 'लक्षवेधी पुस्तके – काय डेंजर वारा सुटलाय' ललित, सप्टें., २०११

५. पवार, जयंत — लेख– 'एका गुंत्याचा गुंताडा' साधना, पुणे, १२ जाने., २०१३

६. आठलेकर, मंगल — लेख– 'खूप मोठं अवसान गोळा करावं लागतं' साधना, पुणे, १२ जाने., २०१३

७. गमरे, गौतम बा. — लेख– 'काय डेंजर वारा सुटलाय' रंगवाचा (मासिक), फेब्रु., २०१७

८. गुप्ते, विश्राम — लेख– 'काय डेंजर वारा सुटलाय–बोलकी हिंसा' परिवर्तन (त्रैमासिक), मुंबई, एप्रिल, मे, जून, २०१२

९. नाडकर्णी, कमलाकर — लेख– 'काय डेंजर वारा सुटलाय' दै. आपलं महानगर, मुंबई, २० ऑगस्ट,२०१०

पूरक वाचन :

१०. धांडे, चंद्रकांत — मराठी नाट्यसमीक्षेचा इतिहास, परिमल प्रकाशन, औरंगाबाद

११. कुलकर्णी, व. दि. — नाटक : रंगाविष्कार आणि रंगास्वाद, पद्मगंधा प्रकशन, पुणे

१२. शिंदे,विश्वनाथ व स्मार्त,हिमांशू — मराठी नाटक आणि रंगभूमी, प्रतिमा प्रकाशन, पुणे, २००८

१३. कुलकर्णी, द. भि. — नाटक : स्वरूप आणि समीक्षा, पद्मगंधा प्रकाशन, पुणे

१४. भावे, पुष्पा — रंग नाटकाचे, राजहंस प्रकाशन, मुंबई

१५. गावडे, गोपाळ — मामा वरेरकर : प्रयोगाची नांदी, मनोकामना प्रकाशन, इस्लामपूर, २०१७

१६. भगत, दत्ता — मराठी नाटक आणि रंगभूमीचा इतिहास:आरंभ ते १९९० पर्यंत, प्रकाशक महाराष्ट्र राज्य साहित्य, संस्कृती मंडळ, २०१९

१७. कानडे, मु. श्री. — मराठी रंगभूमीची १२५ वर्षे : नाट्यविषयक ठळक नोंदी, स्नेहवर्धन पब्लिशिंग हाऊस पुणे, २०१०

१८. घोरपडे, अक्षय — संवाद आणि लेखन कौशल्ये, प्रशांत पब्लिकेशन, जळगांव, २०१९

१९. तौर, पृथ्वीराज (संपा.) — मराठी भाषिक कौशल्ये विकास, अथर्व पब्लिकेशन, धुळे, २०१८

२०. जोशी,प्रभाकर व वले,वासुदेव — उपयोजित मराठी भाग १, प्रशांत पब्लिकेशन, जळगांव, २०१७

२१. जोशी, प्रभाकर — उपयोजित मराठी, प्रशांत पब्लिकेशन, जळगांव, २०१७

* प्रश्नपत्रिकेचे स्वरूप *

Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वर लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

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अभ्यासक्रम : Syllabus

June, 2019 onward

मराठी अभ्यास मंडळ

Board of Studies in Marathi

Choice Based Credit System

सत्र-३ : Semister No. III

Discipline Specific Core Course (DSC-C2) Marathi Paper No. IV

विद्याशाखीय विशेष गाभा (DSC-C2) (अभ्यासपत्रिका - ४)

पाठ्यपुस्तक : काव्यगंध

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

: मराठी भाषिक कौशल्ये

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

उद्दिष्ट्ये:

१. मराठी काव्यपरंपरा व प्रवाहांची ओळख करून घेणे.

२. मराठी काव्यातून प्रकट होणारे माणूस आणि समाज यातील परस्पर संबंध शोधणे.

३. कवितेच्या कलात्मक आकृतीबंधाचे मोल अभ्यासणे.

४. काव्यप्रवाहानुरूप काव्यलेखनाचे विशेष अभ्यासणे.

५. प्रात्यक्षिकाद्वारे काव्यलेखन कौशल्ये रुजविणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	केशवसुत– १. अंत्यजाच्या मुलाचा पहिला प्रश्न २. नवा शिपाई (सामाजिक) ३. तुतारी ४. मजुरावर उपासमारीची पाळी ५. गोफण केली छान! वसंत बापट– १. फुंकर २. जपावयाला शिकली होतीस ३. आज (प्रेमविषयक) अचानक ४. नाजुक रुपडे ५. विस्मृती	१५	१
विभाग २ Module II	नारायण सुर्वे– १. दोन दिवस २. माझी आई ३. गिरणीची लावणी (श्रमविषयक) ४. पोष्टर ५. नेहरू गेले त्या वेळची गोष्ट वसंत आबाजी डहाके– १. त्या संध्याकाळी समुद्र २. आख्यान (महानगरीय) ३. खेळ ४. पुतळे ५. वास्तववाद	१५	१
विभाग ३ Module III	अजीम नवाज राही– १. दुष्काळ : काही संदर्भ (वंचितांची कविता) २. जातीय दंगल : बारा भानगडींची तेरा वळणे ३. सुरक्षेची हमी देणारा कळपवाद! ४. मोडतोडीतून डागडुजीची भाषा शिकताना ५. मोहल्ला, पक्षी आणि कातरवेळ कल्पना दुधाळ– १. बाय आणि गाय २. झुलत्या फांदीला (कृषी जाणीव) ३. घोषणा ४. खस्ता ५. धग असतेच आसपास	१५	१
विभाग ४ Module IV	उपयोजित मराठी – काव्यनिर्मिती प्रक्रिया १. प्रसंगावर २. घटनेवर ३. चित्रावर ४. अनुभवावर	१५	१

मूलभूत वाचनः

१. पंडित, भ. श्री. (संपा.)	समग्र केशवसुत, व्हीनस प्रकाशन, पुणे
२. क्षीरसागर, शकुंतला	संपूर्ण केशवसुत, पॉप्युलर प्रकाशन, मुंबई, २००१
३. बापट, वसंत	सेतू, पॉप्युलर प्रकाशन, मुंबई, पुनर्मुद्रण, २००४
४. कुसुमाग्रज (संपा.)	निवडक नारायण सुर्वे, लोकवाङ्मयगृह, मुंबई, १९९४
५. सुर्वे, नारायण	माझे विद्यापीठ, पॉप्युलर प्रकाशन, मुंबई, आवृत्ती २ री, २००५
६. डहाके, वसंत आबाजी	शुभवर्तमान, मौज प्रकाशन, मुंबई, १९९७
७. डहाके, वसंत आबाजी	शुनःशेप, लोकवाङ्मयगृह, मुंबई, १९९६
८. डहाके, वसंत आबाजी	चित्रलिपी, लोकवाङ्मयगृह, मुंबई, २००६
९. राही, अजीम नवाज	व्यवहाराचा काळा घोडा, मुक्तछंद प्रकाशन, नागपूर, २००४
१०. राही, अजीम नवाज	कल्लोळातला एकांत, अक्षरमानव प्रकाशन, पुणे, २०१२
११. राही, अजीम नवाज	वर्तमानाचा वतनदार, लोकवाङ्मयगृह, मुंबई, २०१७
१२. दुधाळ, कल्पना	सिझर कर म्हणतेय माती, हर्मिस प्रकाशन, पुणे
१३. दुधाळ, कल्पना	धग असतेच आसपास, लोकवाङ्मयगृह, मुंबई
१४. कदम, महेंद्र	लेख–कल्पना दुधाळ यांचं शेतीशास्त्र, साप्ता. विवेक, ५ मार्च, २०१८
१५. धसकटे, सुशील	मुलाखत–कल्पना दुधाळ यांची मुलाखत, अक्षरनामा, १२ जाने., २०१८
१६. शर्मा, नीला	लेख–कल्पना व वास्तवादरम्यानचा पूल ठरलेली कविता, दै.सकाळ, ८ मार्च,२०१८
१७. कदम, महेंद्र	लेख–कल्पना दुधाळ यांच्या कवितेची शैली,कवितेची शैली,अक्षरवाङ्मय, पुणे,२०१९
१८. शानेदिवान, राजेखान	भारतीय मुसलमानःवर्तमान आणि भविष्य, अक्षरदालन प्रकाशन, कोल्हापूर
१९. कुलकर्णी, अंजली	लेख–वर्तमानाचा स्वशोध, दै. लोकसत्ता, पुणे १५ एप्रिल, २०१८
२०. चांदवडकर, तुषार	लेख–वर्तमानाचा वतनदार, दै.सकाळ, रविवार पुरवणी, २९ एप्रिल, २०१८

पूरक वाचनः

२१. सानप, किशोर	युगांतराची कविता, ग्रंथाली प्रकाशन, मुंबई
२२. पी. विठ्ठल	मराठी कविताःसमकालीन परिदृश्य, कैलाश पब्लिकेशन्स, औरंगाबाद,२०१९
२९. रसाळ, सुधीर	काही मराठी कवी : जाणिवा आणि शैली, प्रतिमा प्रकाशन, पुणे, १९९६
३०. सुर्वे, कृष्णाबाई नारायण	मास्तरांची सावली, डिंपल प्रकाशन, मुंबई

प्रश्नपत्रिकेचे स्वरूप

Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (चार पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वर लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

शिवाजी विद्यापीठ, कोल्हापूर

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अभ्यासक्रम : Syllabus

June, 2019 onward

मराठी अभ्यास मंडळ

Board of Studies in Marathi

Choice Based Credit System

सत्र-४ : Semister No. IV

Discipline Specific Core Course (DSC-C25) Marathi Paper No. V

विद्याशाखीय विशेष गाभा (DSC-C25) (अभ्यासपत्रिका - ५)

साहित्यकृती : माती, पंख आणि आकाश (आत्मचरित्र)

ज्ञानेश्वर मुळे, मनोविकास प्रकाशन, पुणे, आवृत्ती अकरावी, २०१७

: मराठी भाषिक कौशल्ये

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

उद्दिष्ट्ये:

१. आत्मचरित्र या वाङ्मयप्रकाराची ओळख करून घेणे.

२. इतर वाङ्मयप्रकार आणि आत्मचरित्र यातील अभिव्यक्ती रूपांचा अभ्यास करणे.

३. आत्मचरित्रकाराच्या व्यक्तिमत्त्वाची जडण-घडण आणि त्याचा समकाल समजून घेणे.

४. वेगवेगळ्या भारतीय प्रांतातील व परदेशातील जीवनदर्शन समजून घेणे.

५. आत्मवृत्तपर लेखन कौशल्ये विकसित करणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	माती, पंख आणि आकाश – जीवनानुभवाचे स्वरूप	१५	१
विभाग २ Module II	माती, पंख आणि आकाश – शैक्षणिक, सामाजिक आणि सांस्कृतिक पर्यावरण	१५	१
विभाग ३ Module III	माती, पंख आणि आकाश – वाङ्मयीन गुणविशेष	१५	१
विभाग ४ Module IV	उपयोजित मराठी – आत्मवृत्तलेखनाचे स्वरूप १. आत्मकथन/स्वकथन २. प्रवास वर्णन ३. रोजनिशी	१५	१

मूलभूत वाचनः

१. हातकणंगलेकर, म.द. लेख–अंतःकरणाचा ठाव घेणारे वेगळ्या धाटणीचे आत्मकथन,दै.सकाळ,१ मार्च,१९९८

२. खाडिलकर, मीना लेख–वेगळ्या घाटाचे आत्मचरित्र, दै. तरुण भारत, २६ जुलै, १९९८

३. लोकापुरे, राजू लेख–माती, पंख आणि आकाश, दै. महासत्ता, ३० ऑगस्ट, १९९८

४. लाटकर, मानसी लेख–माती,पंख आणि आकाश, दै. लोकसत्ता, लोकरंग, ६ सप्टें., १९९८

५. कोटीभस्कर, मधुमालती लेख–ललितरम्य शैलीतील आत्मचरित्र, दै. पुढारी, ३१ जाने., १९९९.

६. महांबरे, गंगाधर लेख–मातीतून घेतलेल्या आकाशभरारीची सुरस, सफल आत्मकहाणी, दै.सकाळ,४ जुलै, १९९९

पूरक वाचनः

८. जोशी, अ. म. चरित्र–आत्मचरित्र, स्नेहवर्धन प्रकाशन, पुणे

९. भोसले, नारायण अविस्मरणीय चरित्र – आत्मचरित्रे, अथर्व पब्लिकेशन, जळगाव

१०. हस्तक, उषा मराठीतील आत्मचरित्रात्मक लेखन, स्नेहवर्धन प्रकाशन, पुणे

११. शानेदिवान, राजेखान खाली जमीन वर आकाश – एक विमर्ष, शब्दवेल प्रकाशन, कोल्हापूर, २००८

१२. काळसेकर, सतीश वाचणाऱ्याची रोजनिशी, लोकवाङ्मयगृह, मुंबई

प्रश्नपत्रिकेचे स्वरूप
Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (तीन पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

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Board of Studies in Marathi

Choice Based Credit System

सत्र-४ : Semister No. IV

Discipline Specific Core Course (DSC-C26) Marathi Paper No. 6

विद्याशाखीय विशेष गाभा (DSC-C26) (अभ्यासपत्रिका - ६)

साहित्यकृती : जुगाड (कादंबरी)

किरण गुरव, दर्या प्रकाशन, पुणे, २०१८

: मराठी भाषिक कौशल्ये

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

उद्दिष्ट्ये:

१. कादंबरी वाङ्मयप्रकाराची ओळख करून घेणे.

२. समकालीन कादंबरीतील नव्या अवकाशाचा शोध घेणे व आधुनिकतेमधील अंतर्विरोध समजून घेणे.

३. मानवी मूल्यांविषयी जाणीव निर्माण करणे.

४. कादंबरीलेखनाचे विशेष अभ्यासणे.

५. वृत्तांतलेखन कौशल्ये रुजविणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	जुगाड – आशयसूत्रे	१५	१
विभाग २ Module II	जुगाड – घटना, प्रसंग आणि व्यक्तिरेखांचे स्वरूप व पर्यावरण	१५	१
विभाग ३ Module III	जुगाड – वाङ्मयीन विशेष	१५	१
विभाग ४ Module IV	उपयोजित मराठी – वृत्तांतलेखन : • वृत्तांतलेखनाचे स्वरूप • वृत्तांतलेखनाचे घटक आणि वैशिष्ट्ये • वृत्तांतलेखकाच्या अंगी आवश्यक गुण • साहित्य/संशोधन/शैक्षणिक स्थळास अभ्यास सहलीद्वारे प्रत्यक्ष भेट देऊन त्यावर आधारित वृत्तांतलेखनाचा सराव करवून घेणे	१५	१

मूलभूत वाचनः

१. थोरात, हरिश्चंद्र — लेख– 'आधुनिकतेला सामोरे जाणारे जुगाड' मुक्तशब्द (मासिक), फेब्रु.२०१९

२. खरे, नंदा — लेख– 'उद्योगविश्वावर क्ष किरण' दै. लोकसत्ता, रविवार पुरवणी, २०/१/२०१९

३. मुनघाटे, प्रमोद — लेख– तरुण पिढीची होरपळ, दै. महाराष्ट्र टाईम्स, रविवार संवाद, १०/२/२०१९

पूरक वाचनः

४. बांदिवडेकर, चंद्रकांत — मराठी कादंबरीचा इतिहास, मेहता पब्लिशिंग हाऊस, पुणे, दु.आ., १९९६

५. बांदिवडेकर, चंद्रकांत — मराठी कादंबरी चिंतन आणि समीक्षा, मेहता पब्लिशिंग हाऊस, पुणे, दु.आ., १९९६

६. डहाके, वसंत आबाजी — दृश्यकला आणि साहित्य, लोकवाङ्मयगृह, मुंबई, २०१३

७. यादव, आनंद — साहित्याची निर्मितीप्रक्रिया, मेहता पब्लिशिंग हाऊस, पुणे, तिसरी आ.,२००२

८. पाटील, आनंद — सृजनात्मक लेखन, पद्मगंधा प्रकाशन, पुणे, २००५

९. इनामदार–साने, रेखा — अस्तित्ववाद आणि मराठी कादंबरी, राजहंस प्रकाशन, पुणे, २००४

१०. शेलार, सुधाकर — मराठी साहित्य : काही लेखनबंध, स्वरूप प्रकाशन, औरंगाबाद, २०१३

११. पाटील, म. सु. — साहित्याचे सामाजिक व सांस्कृतिक अनुबंध, शब्दालय प्रकाशन, श्रीरामपूर,२००१

१२. थोरात, हरिश्चंद्र — कादंबरीविषयी, पद्मगंधा प्रकाशन, पुणे

१३. थोरात, हरिश्चंद्र — कादंबरी एक साहित्य प्रकार, शब्द प्रकाशन, मुंबई

१४. टापरे, पंडित — कादंबरी : संवाद, शब्द प्रकाशन, मुंबई

१५. खोले, विलास — गेल्या अर्धशतकातील कादंबरी, लोकवाङ्मयगृह, मुंबई

१६. मोहिते, गणेश — समकालीन मराठी कादंबरी, जनशक्ती वाचक चळवळ, औरंगाबाद

प्रश्नपत्रिकेचे स्वरूप

Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (चार पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (चार पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

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मराठी अभ्यास मंडळ

Board of Studies in Marathi

Choice Based Credit System

सत्र-३ : Semister No. III

Inter Desciplinary Studies (IDS-1) Marathi Paper No. 1

साहित्यकृती : कर्मवीर भाऊराव पाटील (चरित्र)

ए.व्ही.मॅथ्यू, प्रकाशक-सचिव, रयत शिक्षण संस्था,सातारा

(सदर ग्रंथाचा पहिला खंड पृ.क्र. १ ते २९३ पर्यंत अभ्यासक्रमासाठी ग्राह्य असेल)

उद्दिष्ट्ये:

१. मराठीतील चरित्रात्मक वाङ्मयाचा परिचय करून घेणे.

२. चरित्रात्मक वाङ्मयातील चरित्र नायकाच्या व्यक्तित्वाचे पैलू अभ्यासणे.

३. चरित्रात्मक वाङ्मयातून सामाजिक, शैक्षणिक आणि सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेणे.

४. चरित्रात्मक वाङ्मयाधारे राष्ट्रीय एकात्मता आणि मानवी मूल्यांविषयी जाणीव निर्माण करणे.

५. जाहिरात लेखनाची कौशल्ये विकसित करणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	कर्मवीर भाऊराव पाटील यांच्या व्यक्तिमत्त्वाची जडणघडण व व्यक्तित्त्वाचे पैलू	१५	१
विभाग २ Module II	कर्मवीर भाऊराव पाटील यांचे कार्य	१५	१
विभाग ३ Module III	कर्मवीर भाऊराव पाटील या चरित्र ग्रंथातील वाङ्मयीन विशेष	१५	१
विभाग ४ Module IV	उपयोजित मराठी – जाहिरात लेखन १. वृत्तपत्रासाठी जाहिरात लेखन २. आकाशवाणीवरील जाहिरात लेखन ३. चित्रवाणीवरील जाहिरात लेखन	१५	१

मूलभूत वाचनः

१. पाटील, अजित — माणसातील देव, प्रकाशक–मॅकमिलन इंडिया लिमिटेड, पुणे

२. पाटील, अजित — कर्मविरायण, प्रकाशक– सचिव, रयत शिक्षण संस्था, सातारा

३. पवार, बा. ग. — कर्मवीर भाऊराव पाटील, मातृभूमी प्रकाशन, पुणे

४. भोसले, द. ता. — कर्मवीर भाऊराव पाटील,

५. जाधव, रमेश — कर्मवीर भाऊराव पाटील,

६. तोडमल, ह. कि. — कर्मवीर पाटील,

७. पाटील, पी. जी. — कर्मवीरोपनिषद् अर्थात कर्मवीर भाऊराव पाटील यांच्या आठवणी,

८. पाटील, विमल — वटवृक्ष,

९. पाटणे, संभाजीराव — त्यागमूर्ती कर्मवीर भाऊराव,

पूरक वाचनः

११. जोशी, अ. म. — चरित्र–आत्मचरित्र, स्नेहवर्धन प्रकाशन, पुणे

१२. भोसले, नारायण — अविस्मरणीय चरित्र – आत्मचरित्रे, अथर्व पब्लिकेशन, जळगांव

१३. नसिराबादकर, ल. रा. — व्यवहारोपयोगी मराठी, फडके प्रकाशन, कोल्हापूर, १९९४

१४. घोरपडे, अक्षय — संवाद आणि लेखन कौशल्ये, प्रशांत पब्लिकेशन, जळगांव, २०१९

१५. तौर, पृथ्वीराज (संपा.) — मराठी भाषिक कौशल्ये विकास, अथर्व पब्लिकेशन, धुळे, २०१८

१६. जोशी,प्रभाकर व वले, वासुदेव — उपयोजित मराठी भाग १, प्रशांत पब्लिकेशन, जळगांव, २०१७

१७. जोशी, प्रभाकर — उपयोजित मराठी, प्रशांत पब्लिकेशन, जळगांव, २०१७

१८. कुंभार, प्रकाश — उपयोजित भाषाविज्ञान आणि प्रसारमाध्यमे, अक्षरदालन, कोल्हापूर, २०१८

प्रश्नपत्रिकेचे स्वरूप
Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (चार पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

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मराठी अभ्यास मंडळ

Board of Studies in Marathi

Choice Based Credit System

सत्र-४ : Semister No. IV

Inter Desciplinary Studies (IDS-2) Marathi Paper No. 2

साहित्यकृती : आटपाटनगरीच्या कथा (कथासंग्रह)

द.ता. भोसले, ग्रंथाली प्रकाशन, मुंबई, २०१८

उद्दिष्ट्ये:

१. मराठी कथा वाङ्मयाचा उगम, विकास व स्वरूप अभ्यासणे.

२. लोककथेचे रचनाविशेष आणि आजची प्रयोगशील कथा यांचा परस्पर अनुबंध अभ्यासणे.

३. वर्तमानातील प्रश्न लोककथांचे तंत्र व आविष्कार पद्धतीद्वारे कसे मांडले जातात याचा अभ्यास करणे.

४. मुलाखतलेखन तंत्र विकसित करणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	आटपाटनगरीच्या कथा – आशयसूत्रे	१५	१
विभाग २ Module II	आटपाटनगरीच्या कथा – मिथकातून उलगडणारे समकालीन वास्तव	१५	१
विभाग ३ Module III	आटपाटनगरीच्या कथा – वाङ्मयीन विशेष	१५	१
विभाग ४ Module IV	उपयोजित मराठी – मुलाखतलेखन तंत्र १. मुलाखतीची पूर्वतयारी २. वृत्तपत्रासाठी मुलाखतलेखन ३. आकाशवाणीवरील मुलाखत ४. दूरचित्रवाणीवरील मुलाखत	१५	१

मूलभूत वाचनः

१. पंचभाई, विनोद	लेख–एक विलक्षण कलाकृतीःआटपाटनगरीच्या कथा,चपराक (मासिक), सप्टेंबर,२०१५
२. जवंजाळ, सुनिल	लेख–जगण्याला श्रीमंत करणाऱ्या विचारांची संपत्ती म्हणजे आटपाटनगरीच्या कथा, दै.एकमत, ७ फेब्रु. २०१६
३. काळे, चांगदेव	ग्रंथपरिचय, शब्दरुची (मासिक), सप्टें., २०१५
४. कदम, महेंद्र	लेख–आटपाटनगरीच्या कथा, म.सा.प. पुणे, ऑक्टों., २०१८

पूरक वाचनः

५. जोशी, सुधा	कथा : संकल्पना आणि समीक्षा, मौज प्रकाशन, मुंबई
६. जाधव, रा. ग.	मराठीतील कथारूपे, स्नेहवर्धन पब्लिशिंग हाऊस, पुणे, १९९९
७. ऐनापुरे, जी. के.	मराठी कथा : मूल्य आणि ऱ्हास, ललित पब्लिकेशन, मुंबई, २०१८
८. बेंडखळे, अशोक	मराठी कथा : परंपरा आणि नवता (अक्षरयात्रा), राजा प्रकाशन, मुंबई
९. हातकणंगलेकर, म. द.	मराठी कथा : रूप आणि परिसर, श्रीविद्या प्रकाशन, पुणे
१०. टापरे, पंडित	कथा : रूप आणि आस्वाद, नीहारा प्रकाशन, पुणे
११. नसिराबादकर, ल. रा.	व्यवहारोपयोगी मराठी, फडके प्रकाशन, कोल्हापूर, १९९४
१२. घोरपडे, अक्षय	संवाद आणि लेखन कौशल्ये, प्रशांत पब्लिकेशन, जळगांव, २०१९
१३. तौर, पृथ्वीराज (संपा.)	मराठी भाषिक कौशल्ये विकास, अथर्व पब्लिकेशन, धुळे, २०१८
१४. जोशी,प्रभाकर व वले,वासुदेव	उपयोजित मराठी भाग १, प्रशांत पब्लिकेशन, जळगांव, २०१७
१५. जोशी, प्रभाकर	उपयोजित मराठी, प्रशांत पब्लिकेशन, जळगांव, २०१७
१६. कुंभार, प्रकाश	उपयोजित भाषाविज्ञान आणि प्रसारमाध्यमे, अक्षरदालन, कोल्हापूर, २०१८
१७. बागडे, जयप्रकाश	मुलाखत तंत्र व मंत्र, साकेत प्रकाशन, औरंगाबाद

प्रश्नपत्रिकेचे स्वरूप

Pattern of Question Paper

एकूण गुण – ५० : Total Marks-50

प्रश्न १	योग्य पर्याय निवडा	१० गुण
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	१० गुण
प्रश्न ४	विभाग ३ वर थोडक्यात उत्तरे द्या (चार पैकी दोन)	१० गुण
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न (तीन पैकी दोन)	१० गुण

टीप : प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर असतील.

शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग : 3

मराठी (विशेष)

जून २०१५ पासून

अ.क	सत्र पाचवे : नवीन अभ्यासक्रम
1	अभ्यासपत्रिका क्रमांक : 7 काव्यशास्त्र
2	अभ्यासपत्रिका क्रमांक : 8 भाषाविज्ञान आणि मराठी भाषा
3	अभ्यासपत्रिका क्रमांक : 9 मराठी वाङ्मयाचा इतिहास
4	अभ्यासपत्रिका क्रमांक : 10 मराठी भाषा : उपयोजन आणि सर्जन
5	अभ्यासपत्रिका क्रमांक : 11 वाङ्मयप्रवाहांचे अध्ययन (ग्रामीण साहित्य)

अ.क	सत्र सहावे : नवीन अभ्यासक्रम
1	अभ्यासपत्रिका क्रमांक : 12 काव्यशास्त्र
2	अभ्यासपत्रिका क्रमांक : 13 भाषाविज्ञान आणि मराठी भाषा
3	अभ्यासपत्रिका क्रमांक : 14 मराठी वाङ्मयाचा इतिहास
4	अभ्यासपत्रिका क्रमांक : 15 मराठी भाषा : उपयोजन आणि सर्जन
5	अभ्यासपत्रिका क्रमांक : 16 वाङ्मयप्रवाहांचे अध्ययन (दलित साहित्य)

शिवाजी विद्यापीठ, कोल्हापुर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ५ : अभ्यासपत्रिका क्रमांक – ७

काव्यशास्त्र

- **उद्दिष्टे**

१. पौर्वात्य काव्यशास्त्राची ओळख करून देणे.
२. काव्याची लक्षणे आणि प्रयोजने समजावून देणे.
३. साहित्याची निर्मितिप्रक्रिया आणि स्वरूप जाणून घेणे.
४. भाषेचे 'अलंकार' समजावून देणे.

- **अभ्यासक्रम**

घटक 1 . काव्यलक्षण (पौर्वात्य)

भामह : शब्दार्थौ सहितौ काव्यम् !

दण्डी : शरीर तावदिष्टार्थव्यवच्छिन्ना पदावली !

वामन : काव्यम् ग्राह्यम् अलंकारात ! सौंदर्यम् अलंकार !
रीतिरात्मा काव्यस्य विशिष्टा पदरचना रीति :!

रूद्रट : ननु शब्दार्थौ काव्यम !

आनंदवर्धन : काव्यात्मा ध्वनि :!

कुंतक : शब्दार्थौ सहितौ वक्रकविव्यापारशालिनी बंधे व्यवस्थितौ काव्यम् तद्विदाल्हादकारिणी !

क्षेमेंद्र : औचित्यस्य – रसजीवितभूतस्य !

मम्मट : तत्अदोषौ शब्दार्थौ सगुणौ अनलंकृती पुनःक्वापि !

विश्वनाथ : वाक्यं रसात्मकं काव्यम् !

जगन्नाथ : रमणीयार्थ प्रतिपादक : शब्द : काव्यम् !

घटक 2. काव्यप्रयोजन (पौर्वात्य, पाश्चात्त्य व आधुनिक)

मम्मटाची काव्यप्रयोजने : यश, अर्थ, व्यवहारविज्ञान, अशुभतानिवारण, आनंद, कांतासंमित उपदेश (एकूण 6)

पाश्चात्त्य व आधुनिक : पलायनवाद, इच्छापूर्ती अथवा स्वप्नरंजन, जिज्ञासापूर्ती, उद्बोधन, आत्माविष्कार, धर्म, मोक्ष, नीती, जीवनानुभूती (एकूण 9)

घटक ३. काव्यकारण

काव्यानिर्मितीची उत्पादक अथवा जनक कारणे

१. प्रतिभा : रूद्रट, मम्मट आणि अभिनवगुप्त यांच्या प्रतिभेच्या व्याख्या प्रतिभेची सहा अंगे : ग्रहण, स्मरण, निवड, मूळकल्पना, स्फूर्ती आणि उत्प्रेक्षा प्रतिभेची चार वैशिष्ट्ये : प्रतिभाव्यापार, प्रतिभेचे अलौकिकत्व, अपूर्वनिर्मितीक्षम प्रतिभा, प्रतिभा ही वेडाची बहीण

२. व्युत्पत्ती ३. अभ्यास ४. भावनात्मकता ५. बहुश्रुतता

काव्यनिर्मितीची सहाय्यक अथवा गौण कारणे

1. मानसिक स्वास्थ 2. शारीरिक स्वास्थ
3. परिस्थिती 4. स्मृतिदृढता 5. भक्ती

घटक ४. अलंकार : स्वरूप व विशेष

उपमा, रूपक, यमक, दृष्टान्त, अनुप्रास, अतिशयोक्ती
(व्याख्या, स्वरूप व उदाहरणे अपेक्षित आहेत.)

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	योग्य पर्याय निवडा.	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक)	–	10 गुण
प्रश्न ४.	अलंकार (चार पैकी दोन)	–	10 गुण

- **सूचना**

1. अलंकारावर वस्तुनिष्ठ प्रश्न असणार नाहीत.
2. विद्यापीठाने अंतर्गत मूल्यमापनासाठी दहा गुणांसाठीचे 'चर्चासत्र' सूचित केले आहे.

- **मूलभूत वाचन**

१. अभिनव काव्यप्रकाश – रा. श्री. जोग
२. काव्यशास्त्रप्रदीप – स. रा. गाडगीळ
३. भारतीय साहित्यशास्त्र – ग. त्र्यं. देशपांडे
४. सुगम मराठी व्याकरण – लेखन : मो. रा. वाळंबे

- **पूरक वाचन**

१. प्राचीन काव्यशास्त्र – र. पं. कंगले

२. मराठीचे साहित्यशास्त्र – ज्ञानेश्वर ते रामदास : मा. गो. देशमुख

३. सुलभ काव्यशास्त्र – पं. महादेवशास्त्री जोशी

४. काव्यशास्त्र परिचय – डॉ. शिवशंकर उपासे

- **संदर्भ ग्रंथ**

१. काव्यविभ्रम – रा. श्री. जोग

२. भारतीय काव्यशास्त्राची उत्क्रांती – डॉ. वा. के. लेले

३. साहित्य आणि समीक्षा – वा. ल. कुलकर्णी (पॉप्युलर)

४. भारतीयांचा साहित्यविचाार – पाटील, म. सु. (चेतश्री प्रकाशन, अंमळनेर)

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

• • •

शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ५ : अभ्यासपत्रिका क्रमांक ८

भाषाविज्ञान आणि मराठी भाषा

- **उद्दिष्टे**

१. आधुनिक भाषाविज्ञानाचा परिचय करून देणे.

२. भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध जाणून घेणे.

३. भाषेची उत्पत्ती, स्वरूप, कार्य समजावून देणे.

४. ध्वनिपरिवर्तनाची कारणे व प्रकारांची माहिती करून देणे.

५. मराठी भाषेची वर्णव्यवस्था समजावून देणे.

६. मराठी भाषेबद्दलची विद्यार्थ्यांची आवड विकसित करणे.

- **अभ्यासक्रम**

घटक 1. भाषेची उत्पत्ती

ईश्वर, राजा आणि समाज यांनी भाषा निर्माण केली याबाबतची मते. भाषेच्या उत्पत्तीच्या उपपत्ती अथवा सिद्धांत : इंगित (Gestural), अनुकरण (Bow-Bow), रणन (Ding-Dong), भावनाभिव्यक्ती (Pooh-Pooh), श्रमपरिहार (Ye-He-Ho), प्रेमगानमूलक (Sing-Song), संपक्र (Contact), क्रिडासक्ती (Play - Way Theory) आणि समन्वय

घटक 2. भाषेचे स्वरूप, वैशिष्ट्ये आणि कार्य :

भाषेच्या व्याख्या : कृ. पां. कुलकर्णी, ना. गो. कालेलकर, श्री. न. गजेंद्रगडकर

भाषेचे स्वरूप : समाजव्यवहाराचे साधन, ध्वनिमाध्यमता, प्रतिकात्मकता, संकेतबद्धता, भाषा – एक पद्धती, भाषा मानवी आहे.

मानवी आणि मानवेतर संप्रेषण, भाषिक आणि भाषेतर संप्रेषण, भाषेबद्दलचे दृष्टिकोण / समजुती. सी. एफ. हॉकेटने सांगितलेली भाषेची सात वैशिष्ट्ये

- दुहेरीपण (Duality), निर्मितिक्षमता (Productivity), कार्यकारण संबंधाचा अभाव (यादृच्छिकता – Arbitrariness), अदलाबदलीची शक्यता (Inter Changeability), विशिष्टीकरण (Specialçation), स्थलकालातीतता(Displacement), सांस्कृतिक संक्रमण (Cultural Transmission) याशिवाय सामाजिक संस्था, अर्जित भाषा, परिवर्तनशीलता, रैखिकता
- रोमान याकबसन(1896–1982) कृत भाषेची सहा कार्ये : संदर्भनिष्ठता, काव्यात्म, आविष्कारात्म, परिणामानिष्ठ, संपक्रनिष्ठ, भाषाविषयक

घटक ३. ध्वनिपरिवर्तन

व्याख्या आणि विशेष : निरपवाद, नियमित, अज्ञेय, सार्वत्रिक ध्वनिपरिवर्तन

कारणे : जित – जेते संबंध, भिन्न भाषिक संबंध, आळस, अनुकरणाची अपूर्णता, वागिंद्रियातील दोष, श्रवणेंद्रियातील दोष, उच्चारशीघ्रता, अज्ञान, आघात, उच्चारसौकर्य, आहार, भौगोलिकता, वर्गसिद्धांत, लोकभ्रम, सादृश्यता (एकूण 15)

प्रकार : अंत्यस्वनलोप, एकस्वनीकरण, आद्यस्वनागम, मध्यस्वनागम, अंत्यस्वनागम, सान्निध परिणाम, समानस्वनलोप, विसदृशीकरण, घोषीकरण, अघोषीकरण, मात्राभेद, सदृशता, अतिशुद्धी, दुष्प्रयोग, स्वनविपर्यय (एकूण 15)

घटक ४. मराठी वर्णव्यवस्था

ऋ, ऌ, ॲ, ऑ सह 18 स्वर, 36 व्यंजने, वर्णव्यवस्थेचे उच्चारस्थानानुसार वर्गीकरण

स्वरांचे प्रकार : –हस्व, दीर्घ, सिद्ध, साधित, सजातीय, विजातीय

व्यंजनांचे प्रकार : तालव्य, अंतस्थ, उष्म, संयुक्त, मूर्धन्य, कठोर व मृदू , अल्पप्राण व महाप्राण

अनुनासिक

(स्वर, व्यंजन यांची व्याख्या, वैशिष्ट्ये अपेक्षित)

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.
- **मूलभूत वाचन**

१. गवळी अनिल – भाषाविज्ञान आणि मराठी भाषा, हिरण्यकेशी, कोल्हापूर
२. जोशी प्र. न. – सुबोध भाषाशास्त्र, स्नेहवर्धन, पुणे
३. कुलकर्णी सुलक्षणा, कुबेर वसंत – भाषाविज्ञान परिचय
४. दामले मो. के. – शास्त्रीय मराठी व्याकरण
५. हिरेमठ राजशेखर – मराठी व्याकरण परिचय

- **पूरक वाचन**

१. कुलकर्णी कृ.पां. – मराठी भाषा : उद्‌गम आणि विकास

२. मालशे मिलिंद – आधुनिक भाषाविज्ञान : सिद्‌धांत आणि उपयोजन, लोकवाड़मय

३. कानडे मु. श्री. (संपा) – मराठीचा भाषिक अभ्यास, स्नेहवर्धन, पुणे

४. कालेलकर ना. गो. – ध्वनिविचार, मौज, मुंबई

५. गजेंद्रगडकर श्री. न. – भाषा आणि भाषाशास्त्र, व्हीनस, पुणे

- **संदर्भ ग्रंथ**

१. भाषाविज्ञानपरिचय : (संपादक) मालशे, पुंडे, सोमण (पद्‌मगंधा, पुणे)

२. कालेलकर ना. गो. – भाषा : इतिहास आणि भूगोल, मौज, मुंबई

३. क्षीरसागर श्री. के. – मराठी भाषा : वाढ आणि बिघाड

४. गोखले द. न. – शुद्‌धलेखनविवेक

५. वाळंबे मो. रा. – सुगम मराठी व्याकरण, नितीन प्रकाशन, पुणे

६. कदम महेंद्र – मराठीचे वर्णनात्मक भाषाविज्ञान, स्नहवर्धन, पुणे

७. Hocket C. F. : A Course in Modern Linguistics, Oxford, New York, 1958

८. Brower Reuben (Ed). On Translation (या ग्रंथातील 'On Linguistic Aspects of Translation' हा Roman Jakobson चा लेख)

९. Labov William : The Social Motivation of a Sound Change

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	योग्य पर्याय निवडा	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (भाषाविज्ञानावर)	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक) (भाषाविज्ञानावर)	–	10 गुण
प्रश्न ४.	लघुत्तरी प्रश्न (तीन पैकी एक) (व्याकरणावर)	–	10 गुण

- **सूचना**
  १. वस्तुनिष्ठ प्रश्न व्याकरणावर असणार नाही.
  २. अंतर्गत मूल्यमापनासाठी 10 गुण असून त्यासाठी विद्यापीठाने 'चर्चासत्र' सूचित केले आहे.

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शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ५ : अभ्यासपत्रिका क्रमांक ९

मराठी वाङ्मयाचा इतिहास

- **उद्दिष्टे**

१. मध्ययुगीन मराठी वाङ्मय परंपरांचा व इतिहासाचा परिचय करून देणे.

२. या कालखंडातील वाङ्मय रचनाप्रकारांचा परिचय करून देणे.

३. या कालखंडातील वाङ्मयनिर्मितीच्या प्रेरणांचा परिचय करून देणे.

४. या कालखंडातील वाङ्मयाच्या सांस्कृतिक पार्श्वभूमीचा उलगडा करणे.

५. या कालखंडातील प्रमुख संप्रदाय व ग्रंथनिर्मिती यांचा अनुबंध स्पष्ट करणे.

६. या काळातील मराठी भाषेचे स्वरूप स्पष्ट करणे.

- **अभ्यासक्रम**

घटक 1 : आद्यकवी मुकुंदराज – विवेकसिंधू, परमामृत व पवनविजय, हेमाड पंडित महानुभाव संप्रदाय – स्थूल परिचय – आचारधर्म व तत्त्वज्ञान – महानुभावीयांचे गद्य वाङ्मय – लीळाचरित्र, श्रीगोविंदप्रभूचरित्र, दृष्टांतपाठ, सूत्रपाठ, स्मृतिस्थळ

घटक 2 : आद्य कवयित्री – महदंबा – धवळे, केशिराज–मूर्तिप्रकाश महानुभावीयांचे पद्य वाङ्मय (साती ग्रंथ) रूक्मिणीस्वयंवर, शिशुपालवध, उद्धवगीता, वछाहरण, ज्ञानप्रबोध, सह्याद्रीवर्णन, श्रीऋद्धिपूरवर्णन

घटक ३ : वारकरी संप्रदाय – स्थूल परिचय – वारकरी संप्रदायातील महत्त्वाचे संतकवी त्यांचे साहित्य – अ) ज्ञानदेव, ब) नामदेव, क) संतमेळ्यातील इतर कवी – गोरा कुंभार, सावता माळी, चोखामेळा, सेना महाराज, मुक्ताबाई व जनाबाई

घटक ४ : संत एकनाथ व संत तुकाराम यांचे समग्र साहित्य, तुकाराम शिष्या संत बहिणाबाई

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	योग्य पर्याय निवडा	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक)	–	10 गुण
प्रश्न ४.	टिपा लिहा. (तीन पैकी एक)	–	10 गुण

- **मूलभूत वाचन**

१. प्राचीन मराठी वाङ्मयाचा इतिहास : ल. रा. नसिराबादकर (आठवी आवृत्ती, फडके प्रकाशन, कोल्हापूर)

२. मराठी वाङ्मयाचा इतिहास खंड – 1 ते 3 महाराष्ट्र साहित्य परिषद प्रकाशन, पुणे

३. प्राचीन मराठी वाङ्मयाचा इतिहास – खंड 1 ते 4 : डॉ. अ. ना. देशपांडे

४. प्राचीन मराठी वाङ्मयाचे स्वरूप : ह. श्री. शेणोलीकर

५. प्राचीन मराठी वाङ्मयाचा इतिहास – खंड 1 व 2 – ल. रा. पांगारकर

६. संत , पंत आणि तंत – श्री. म. माटे

- **पूरक वाचन**

१. संत एकनाथ दर्शन – संपादक डॉ हे. वि. इनामदार

२. पाच भक्तिसंप्रदाय – र. रा. गोसावी

३. संत वाङ्मयाची सामाजिक फलश्रुती – गं. बा. सरदार

४. महाराष्ट्रीय संतमंडळाचे ऐतिहासिक कार्य – बा. रं. सुंठणकर

५. ज्ञानदेव आणि नामदेव – शं. दा. पेंडसे

- **संदर्भ ग्रंथ**

१. सर्वात्मभावी तुकाराम – डॉ. अनिल गवळी

२. श्री नामदेव दर्शन – संपादक मिरजकर नि. धों.

३. संत नामदेव – डॉ. हे. वि. इनामदार

४. पाच संतकवी – डॉ. शं. गो. तुळपुळे

५. वारकरी संप्रदाय : उदय व विकास – बहिरट भा. पं.

६. संत साहित्य आणि अंधश्रद्धा निर्मूलन – संपादक रा. तु. भगत

७. श्री. ज्ञानदेवांचे अध्यात्मचिंतन आणि आधुनिक विज्ञान – प्राचार्य गोपाळराव मयेकर

८. संत साहित्य संदर्भ कोश – मु. श्री. कानडे

९. मराठी साहित्याचे अदिबंध – उषा देशमुख

- **सूचना** अंतर्गत मूल्यमापनासाठी 10 गुण असून त्यासाठी शिवाजी विद्यापीठाने 'चर्चासत्र' सूचित केले आहे.

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

शिवाजी विद्यापीठ, कोल्हापुर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ५ : अभ्यासपत्रिका कमांक १०

मराठी भाषा : उपयोजन आणि सर्जन

- **उद्दिष्टे**

१. औपचारिक आणि अनौपचारिक क्षेत्रानुसार भाषिक व्यवहार समजावून देणे,

२. विविध क्षेत्रातील भाषिक कौशल्ये आणि क्षमता विकसित करणे.

३. लेखन, वाचन, भाषण या कौशल्यांचा विकास करणे.

४. भाषिक उपयोजनाने विद्यार्थ्यांचा शब्दसंग्रह समृद्ध करणे.

५. उपयोजित व सर्जनशील लेखनास विद्यार्थ्यांना उद्युक्त करणे.

६. मराठीच्या विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडविणे.

- **अभ्यासक्रम**

शिवाजी विद्यापीठ, कोल्हापूर प्रकाशित

'मराठी भाषाः उपयोजन आणि सर्जन' पाठयपुस्तक

घटक 1. भाषिक उपयोजनाची क्षेत्रे

1. साहित्य
2. प्रसारमाध्यमे (वृत्तपत्र, आकाशवाणी, दूरचित्रवाणी)
3. प्रशासन

घटक 2. व्यक्तिमत्त्वविकास

1. वाचन, लेखन, भाषण व श्रवण कौशल्य
2. वेळेचे नियोजन (Time Management)
3. कार्यक्रमाचे नियोजन (Event Management)

घटक ३. आकाशवाणी

1. रेडिओजॉकी
2. जाहिरात

घटक ४. कलासमीक्षा

1. चित्रपट
2. नाटक

- **मूलभूत वाचन**

१. मराठी भाषाः उपयोजन आणि सर्जनः संपादन डॉ. अनिल गवळी, प्रकाशन, शिवाजी विद्यापीठ, कोल्हापूर

२. नासिराबादकर ल. रा. : व्यावहारिक मराठी, फडके प्रकाशन, (आठवी आवृत्ती)

३. जोशी श्रीपाद : संवादशास्त्र, संभव प्रकाशन, नागपूर

४. भागवत यशोदा : जाहिरातीचं जग, मौज प्रकाशन, मुंबई

५. गुरूदत्तः तीन अंकी शोकांतिकाः अरूण खोपकर, ग्रंथाली, मुंबई

- **पूरक वाचन**

१. अध्ययनासाठी संवादकौशल्ये

२. दृक–श्राव्य माध्यमासाठी लेखन

३. वाचन आणि लेखन कौशल्ये

४. श्रवण आणि संभाषण कौशल्ये (पुस्तके 1 ते 4 यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांची प्रकाशने)

५. आकाशानंद : माध्यम चित्रवाणी, ग्रंथघर प्रकाशन, कुर्ला, मुंबई

६. रामबिहारी विश्वकर्मा :, आकाशवाणी, सूचना प्रसारण मंत्रालय

७. काणे पुष्पा, नभोवाणी कार्यक्रम : तंत्र आणि मंत्र, इंडिया बुक कंपनी, पुणे

८. शेवते अरूण (संपादक) , संवाद : मुळा एज्युकेशन सोसायटी, सोनई.

९. जोशी श्रीपाद, सुसंवाद : स्वतःशी व इतरांशी

१०. पेंडसे अंजली : देहबोली, नीळकंठ प्रकाशन, पुणे

११. देसाई रवींद्र : प्रभावी भाषणकला, प्रफ्फुलता, पुणे

१२. नेमाडे भालचंद्र : साहित्याची भाषा, साकेत प्रकाशन

१३. केळकर अशोक : वैखरी : भाषा आणि भाषा व्यवहार, मॅजेस्टिक

१४. लेले वा. के., भाषा : स्वरूप, सामर्थ्य व सौंदर्य, राजहंस, पुणे

१५. कुलकर्णी रवींद्र : मराठी नाट्यलेखनतंत्राची वाटचाल

१६. केळकर अशोक : मध्यमा

- **संदर्भ ग्रंथ**

१. पानसे मु. ग. (संपादक) – भाषा : अंतःसूत्र आणि व्यवहार, मसाप प्रकाशन, पुणे (यातील शासनव्यवहाराची भाषा हा ग. प्र. प्रधान यांचा लेख)

२. सराफ रा. सो. , भाषा : मातृभाषा आणि परभाषा

३. ग्रामोपाध्ये सुरेंद्र : भाषाव्यवहार आणि भाषाशिक्षण, मौज प्रकाशन, मुंबई

४. बेलवलकर सुमन : बेलभाषा

५. भागवत लीलावती : बोलू ऐसे बोल

६. पुंडे द. दि. : भयंकर सुंदर मराठी भाषा, मॅजेस्टिक प्रकाशन

७. सखाराम शंकर : शब्दानुबंध, मॅजेस्टिक प्रकाशन

८. भागवत यशोदा : बोलका कॅमेरा, मौज प्रकाशन

९. फडके अरूण : मराठी लेखनकोश, ढवळे प्रकाशन, मुंबई

१०. भाटवडेकर मो. वि. : राजहंस व्यावहारिक शब्दार्थ कोश, राजहंस प्रकाशन

११. ठकार वि. शिं. : पर्याय शब्दकोश, मेहता पब्लिशिंग हाऊस

१२. व्यावहारिक मराठी विशेषांक : नवभारत, 1982

१३. वाचिक अभिनयः श्रीराम लागू, राजहंस, पुणे, 2012

१४. चित्रपटाचे सौदर्यशास्त्रः प्रा. सतीश बहादूर, लोकवाङ्मयगृह, मुंबई

१५. अक्षरवेल दिवाळी अंक 2013, पुणे

१६. अपूर्व चित्रलेणी : यशवंत रांजणकर, राजहंस प्रकाशन

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	योग्य पर्याय निवडा	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	अंतर्गत विकल्पासह लघुत्तरी प्रश्न	–	10 गुण
प्रश्न ४.	अंतर्गत विकल्पासह लघुत्तरी प्रश्न	–	10 गुण

- **सूचना**
  १. प्रश्न क्र. 4 उपयोजनाचा असेल.
  २. घटक क्र. 3 उपयोजनासाठी असेल.
  ३. अंतर्गत मूल्यमापनासाठी 10 गुण असून त्यासाठी विद्यापीठाने 'चर्चासत्र' सूचित केले आहे.

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ५ : अभ्यासपत्रिका क्रमांक ११

वाङ्मयप्रवाहांचे अध्ययन

(ग्रामीण साहित्य)

- **उद्दिष्टे**

१. मराठीतील विविध साहित्यप्रवाहांचा परिचय करून देणे.

२. ग्रामीण साहित्यप्रवाहांची प्रेरणा, स्वरूप, वैशिष्ट्ये व विकास समजावून देणे.

३. अभ्यासार्थ नेमलेल्या साहित्यकृतीद्वारे संबंधित साहित्यप्रवाहाचे आकलन करून देणे.

- **अभ्यासक्रम**

साहित्यकृती : ब, बळीचाः राजन गवस, पॉप्युलर प्रकाशन, मुंबई

घटक 1 : ग्रामीण साहित्य : व्याख्या, प्रेरणा, स्वरूप, वैशिष्ट्ये आणि विकास

घटक 2 : ब, बळीचा : आशयसूत्रे

घटक ३ : ब, बळीचा : अभिव्यक्ती

घटक ४ : ब, बळीचा : प्रसंगचित्रे व व्यक्तिचित्रे

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	योग्य पर्याय निवडा. ('ब, बळीचा' वर)	– 5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न ('ब, बळीचा' वर)	– 15 गुण
प्रश्न ३ .	अंतर्गत विकल्पासह लघुत्तरी प्रश्न ('ब, बळीचा' वर)	– 10 गुण
प्रश्न ४.	अंतर्गत विकल्पासह ग्रामीण साहित्यप्रवाहावर प्रश्न	– 10 गुण

- **मूलभूत वाचन**

ब, बळीचाः राजन गवस, पॉप्युलर प्रकाशन, मुंबई

- **पूरक वाचन**

१. ग्रामीण साहित्य : स्वरूप आणि शोध – नागनाथ कोत्तापल्ले (मेहता)

२. ग्रामीण साहित्य : रा. रं. बोराडे (साकेत)

३. ग्रामीण साहित्य : एक चिंतन – द. ता. भोसले (मेहता)

४. ग्रामीण साहित्य : स्वरूप व समस्या : आनंद यादव (मेहता)

५. ग्रामीण कथा : स्वरूप आणि विचार – वासुदेव मुलाटे

६. 1960 नंतरची सामाजिक स्थिती व साहित्यातील नवे प्रवाह – आनंद यादव

- **संदर्भ ग्रंथ**

१. ग्रामीणता : साहित्य आणि वास्तव – आनंद यादव (मेहता)

२. ग्रामीण साहित्य आणि संस्कृती – मोहन पाटील (स्वरूप)

- **टिप**

1. प्रत्येक घटकासाठी 15 तासिका असतील.
2. अंतर्गत मूल्यमापनासाठी – 10 गुण असून त्यासाठी विद्यापीठाने 'चर्चासत्र' सूचित केले आहे.

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शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ६ : अभ्यासपत्रिका क्रमांक १२

काव्यशास्त्र

- **उद्दिष्टे**

१. शब्दशक्तीचे स्वरूप व प्रकार समजावून देणे.

२. रसप्रक्रिया समजावून देणे.

३. साहित्याची आस्वादप्रक्रिया समजावून घेणे.

४. साहित्यनिर्मितीच्या आणि आस्वादाच्या आनंदाची मीमांसा करणे.

५. विद्यार्थ्यांचा वाङमयीन दृष्टिकोण विकसित करणे.

- **अभ्यासक्रम**

घटक 1. शब्दशक्ती

अभिधा : व्याख्या व प्रकार : योग, रूढी, योगरूढ

लक्षणा : स्वरूप – व्याख्या, लक्षणेस आवश्यक गोष्टी : मुख्यार्थबाधा, लक्ष्यार्थाचा मुख्यार्थाशी संबंध, रूढी अथवा प्रयोजन (उपप्रकार अपेक्षित नाहीत)

शाब्दी व्यंजना : 1. अभिधामूलक व्यंजना 2. लक्षणामूलकव्यंजना

आर्थी व्यंजना : 1. वस्तुध्वनी 2. अलंकारध्वनी 3. रसध्वनी

व्यंजना शक्तीचे काव्यातील महत्त्व व तिच्याबद्दल आक्षेप

घटक 2. रसविचार

भरतमुनीचे रससूत्र : भरतमुनींनी दिलेले आठ स्थायीभाव व रस

भट्टनायक आणि अभिनव गुप्त याचा रसविचार

रसकसोट्या : मूलभूतता, सार्वत्रिकता, उचितता, आस्वाद्यता, उदात्तीकरण, भक्तिरस आणि शांतरस यांचा विचार

घटक ३. काव्यानंदमीमांसा

अ) कवीचा आनंद : क्रीडानंद, निर्मितीचा आनंद, आत्माविष्कारानंद (एकूण 3)

ब) रसिकाचा आनंद : ज्ञानानंद, रस वा चर्वणा, चमत्कृति, समधातता, पुनःप्रत्यय, प्रत्यभिज्ञा, तादात्म्य, जिज्ञासापूर्ती (एकूण 8)

क) करूणरसानंद : केवलानंदवाद, सुखदुःखात्मक रसभावना, दोन मने : अणू आणि विभू, कॅथार्सिस (एकूण 4)

घटक ४. छंद आणि वृत्ते : स्वरूप व विशेष

छंद : अभंग, ओवी, मुक्तछंद, लावणी

वृत्त : भुजंगप्रयात, आर्या, दिंडी, वसंततिलका

(व्याख्या, स्वरूप व उदाहरणे अपेक्षित आहेत)

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	एका वाक्यात उत्तरे लिहा.	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक)	–	10 गुण
प्रश्न ४.	छंद व वृत्ते (चार पैकी दोन)	–	10 गुण

- **सूचना**

1. छंद व वृत्ते यावर वस्तुनिष्ठ प्रश्न असणार नाहीत.
2. विद्यापीठाने अंतर्गत मूल्यमापनासाठी सूचविलेला दहा गुणांसाठी गट प्रकल्प (Group Project) घ्यावा.

- **मूलभूत वाचन**

१. अभिनव काव्यप्रकाश – रा. श्री. जोग

२. काव्यशास्त्रप्रदीप – स. रा. गाडगीळ

३. भारतीय साहित्यशास्त्र – ग. त्र्यं. देशपांडे

४. सुगम मराठी व्याकरण – लेखन : मो. रा. वाळंबे

- **पूरक वाचन**

१. रसविमर्श – डॉ. के. ना. वाटवे

२. सुलभ काव्यशास्त्र – पं. महादेवशास्त्री जोशी

३. काव्यशास्त्र परिचय – डॉ. शिवशंकर उपासे

- **संदर्भ ग्रंथ**

१. काव्यविभ्रम – रा. श्री. जोग

२. ओवी : छंद व स्वरूप – डॉ. रोहिणी तुकदेव

३. मराठी छंदोरचनेचा विकास – ना. ग. जोशी

४. रससूत्र – नरहर कुरूंदकर, (इंद्रायणी साहित्य, पुणे)

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

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शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ६ : अभ्यासपत्रिका क्रमांक १३

भाषाविज्ञान आणि मराठी भाषा

- **उद्दिष्टे**

१. अर्थपरिवर्तनाच्या कारणांची व प्रकारांची माहिती करून देणे.

२. मराठीचा उगमकाळ व तिच्या जनकभाषेविषयी माहिती करून देणे.

३. मराठीची शब्दव्यवस्था (शब्दांच्या जाती) समजावून देणे.

४. मराठी भाषेबद्दलची विद्यार्थ्यांची आवड विकसित करणे.

- **अभ्यासक्रम**

घटक 1. अर्थपरिवर्तन

व्याख्या आणि स्वरूप : अर्थ म्हणजे निर्देश, प्रतिमा, संकल्पना व विचार

कारणे : साम्यतत्व, रूपक – लक्षणाजन्य शब्द, बदलते समाजजीवन, अशुभतापरिहार, ग्राम्यतापरिहार, अतिशयोक्ती, शब्दसिद्धी, अतिपरिचयातून सभ्यता, अत्यादरदर्शन, सांस्कृतिक आदान (एकूण 10)

प्रकार : अर्थविस्तार, अर्थसंकोच, अर्थप्रशस्ती, अर्थच्युती, अर्थापकर्ष, अर्थान्तर, अर्थभ्रंश, अर्थादेश, अर्थभेद, अर्थसार (एकूण 10)

घटक 2. मराठीचा उगमकाळ

मराठीच्या उगमकाळ निश्चितीची साधने :

१. ग्रंथ : विवेकसिंधू, लीळाचरित्र, ज्ञानेश्वरी, ज्योतिषरत्नमाला, हेमचंद्र व वररूचिचे व्याकरण ग्रंथ, राजमतीप्रबोध, मानसोल्लास, कुवलयमाला

२. लेख : उनकेश्वर, पंढरपूर, नेवासे, आंबेजोगाई, परळ, पळसदेव, श्रवणबेळगोळ, दिवे–आगर येथील शिलालेख/ताम्रपट

३. वैद्य – गुणेवाद

घटक ३. मराठीची जनकभाषा

१. अंतर्वर्तूळ – बहिर्वर्तूळ सिद्धांत

२. मराठीच्या पूर्वभाषांचे ऋण : संस्कृत, पाली, पैशाची, मागधी, अर्धमागधी, शौरसेनी, माहाराष्ट्री अपभ्रंश (संस्कृत > प्राकृत > अपभ्रंश > मराठी अशा साखळी स्वरूपात अध्यापन करू नये)

३. जनकभाषेविषयी मते : प्रा. प्र. रा. देशमुख, वि. का. राजवाडे, कृ. पां. कुलकर्णी , डॉ. शं. गो. तुळपुळे

घटक ४. शब्दजाती

शब्दसंज्ञा – व्याख्या, शब्दजाती : विकारी आणि अविकारी
उपप्रकारासह (व्याख्या, विशेष, उदाहरणे यासह अपेक्षित)

- **मूलभूत वाचन**

१. गवळी अनिल : भाषाविज्ञान आणि मराठी भाषा

२. जोशी प्र. न. : सुबोध भाषाशास्त्र

३. पोतदार अनुराधा : मराठीचा अर्थविचार

४. गोसावी वैद्य : मराठीचे ऐतिहासिक भाषाशास्त्र

५. दामले मो. के. : शास्त्रीय मराठी व्याकरण

- **पूरक वाचन**

१. कुलकर्णी कृ. पां. : शब्द : उगम आणि विकास

२. मालशे, इनामदार , सोमण (संपा.) भाषाविज्ञान : वर्णनात्मक व ऐतिहासिक

३. कालेलकर ना. गो. : भाषा आणि संस्कृती (मौज)

- **संदर्भ ग्रंथ**

१. जोगळेकर गं. ना. : अभिनव भाषाविज्ञान (सुविचार)

२. हिरेमठ राजशेखर : मराठी व्याकरण परिचय

३. यास्मिन शेख : मराठी लेखनकोश

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	एका वाक्यात उत्तरे लिहा.	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (भाषाविज्ञानावर)	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक) (भाषाविज्ञानावर)	–	10 गुण
प्रश्न ४.	लघुत्तरी प्रश्न (तीन पैकी एक) (व्याकरणावर)	–	10 गुण

- **सूचना** १. वस्तुनिष्ठ प्रश्न व्याकरणावर असणार नाही.
  २. अंतर्गत मूल्यमापनासाठी 10 गुण असून त्यासाठी विद्यार्थ्यांना गट प्रकल्प द्यावा. (Group Projet)

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

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वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ६ : अभ्यासपत्रिका क्रमांक १४

मराठी वाङ्मयाचा इतिहास

- **उद्दिष्टे**

१. मध्ययुगीन मराठी वाङ्मय परंपरांचा व इतिहासाचा परिचय करून देणे.

२. या कालखंडातील वाङ्मय रचनाप्रकारांचा परिचय करून देणे.

३. या कालखंडातील वाङ्मयनिर्मितीच्या प्रेरणांचा परिचय करून देणे.

४. या कालखंडातील वाङ्मयाच्या सांस्कृतिक पार्श्वभूमीचा उलगडा करणे.

५. या कालखंडातील प्रमुख संप्रदाय व ग्रंथनिर्मिती यांचा अनुबंध स्पष्ट करणे.

६. या काळातील मराठी भाषेचे स्वरूप स्पष्ट करणे.

- **अभ्यासक्रम**

घटक 1 : समर्थ संप्रदाय – स्थूल परिचय, समर्थ रामदास यांची ग्रंथरचना – इतर धर्मियांनी केलेली मराठी भाषेची साहित्यसेवा – 1. फादर स्टिफन्स् 2. फादर क्रुआ 3. शेख महंमद 4. हुसेन अंबरखान

घटक 2 : पंडित कवी – पंडिती काव्याचे विशेष

1. मुक्तेश्वर 2. वामन पंडित 3. रघुनाथ पंडित 4. श्रीधर 5. निरंजन माधव 6. मोरोपंत

घटक ३ : शाहिरी काव्य – स्वरूप – पोवाडा व लावणी या काव्यप्रकारांचा परिचय – पुढील शाहिरांच्या वाङ्मयसेवेचा परिचय – 1. अनंत फंदी 2. परशुराम 3. रामजोशी 4. प्रभाकर 5. सगनभाऊ 6. होनाजी बाळा

घटक ४ : बखर वाङ्मय – बखर – स्वरूप व वर्गीकरण

अ) शिवपूर्वकालीन बखरी

1. महिकावतीची बखर 2. राक्षसतागडीची बखर

3. शालिवाहनाची बखर

ब) शिवकालीन बखरी

1. सभासदाची बखर 2. शिवदिग्विजय 3. शिवाजी प्रताप

4. शिवछत्रपतींचे सप्तप्रकरणात्मक चरित्र

क) पेशवेकालीन बखरी

1. पाणिपतची बखर 2. भाऊसाहेबांची बखर

3. श्री शाहू महाराज यांची बखर

ड) आज्ञापत्र

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	एका वाक्यात उत्तरे लिहा.	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	लघुत्तरी प्रश्न (तीन पैकी एक)	–	10 गुण
प्रश्न ४.	टिपा लिहा. (तीन पैकी एक)	–	10 गुण

- **मूलभूत वाचन**

१. प्राचीन मराठी वाङ्मयाचा इतिहास : ल. रा. नसिराबादकर (आठवी आवृत्ती, फडके प्रकाशन, कोल्हापूर)

२. प्राचीन मराठी वाङ्मयाचा इतिहास – खंड 1 ते 4 : डॉ. अ. ना. देशपांडे

3. प्राचीन मराठी वाङ्मयाचे स्वरूप : ह. श्री. शेणोलीकर

४. प्राचीन मराठी वाङ्मयाचा इतिहास – खंड 1 व 2 – ल. रा. पांगारकर

५. संत पंत आणि तंत – श्री. म. माटे

- **पूरक वाचन**

१. मराठी बखर – र. वि. हेरवाडकर

२. मराठी शाहिरी पोवाडा – डॉ. विश्वनाथ शिंदे

३. मराठी काव्यातील शिवदैवत दर्शन : डॉ. शिवशंकर उपासे

४. मध्ययुगीन साहित्याविषयी : डॉ. सतीश बडवे (मीरा, औरंगाबाद)

- **संदर्भ ग्रंथ**

१. म–हाटी लावणी – संपादक म. वा. धोंड

२. श्री. रामदास : वाङ्मय आणि कार्य – न. र. फाटक

३. मराठी शाहिरी वाङ्मय – म. ना. सहस्त्रबुध्दे

४. प्राचीन मराठी पंडिती काव्य – संपादक के. ना. वाटवे

५. संत बहिणाबाईंची अभंगवाणी (संपादक) : प्रा. भैरव कुंभार, डॉ. अनिल गवळी

- **सूचना :** अंतर्गत मूल्यमापनासाठी 10 गुणांसाठी गट प्रकल्प (Group Project) द्यावा.
- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

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शिवाजी विद्यापीठ, कोल्हापुर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ६ : अभ्यासपत्रिका क्र. १५

मराठी भाषा : उपयोजन आणि सर्जन

- **उद्दिष्टे**

१. औपचारिक आणि अनौपचारिक क्षेत्रानुसार भाषिक व्यवहार समजावून देणे.

२. विविध क्षेत्रातील भाषिक कौशल्ये आणि क्षमता विकसित करणे.

३. भाषिक उपयोजनाने विद्यार्थ्यांचा शब्दसंग्रह समृद्ध करणे.

४. उपयोजित व सर्जनशील लेखनास विद्यार्थ्यांना उद्युक्त करणे.

५. मुलाखत, संपादन, परीक्षण अशा भाषिक आकृतिबंधांचा परिचय देणे.

६. मराठीच्या विद्यार्थ्यांचा व्यक्तिमत्त्व विकास घडविणे.

७. जनसंपर्क कौशल्याची आवश्यकता व तंत्रे समजावून देणे.

- **अभ्यासक्रम**

शिवाजी विद्यापीठ, कोल्हापूर प्रकाशित
'मराठी भाषा : उपयोजन आणि सर्जन' पाठयपुस्तक

घटक 1. सर्जनशीलता

1. कथा
2. कविता

घटक 2. दूरदर्शन

1. मुलाखत
2 जाहिरात

घटक ३. संहितासंपादन

1. हस्तलिखित, दुर्मीळ ग्रंथ
2. शिलालेख, ताम्रपट
3. मौखिक वाङ्मय

घटक ४. प्रशासनिक कौशल्ये

1. शासकीय व शैक्षणिक पत्रव्यवहाराचे स्वरूप
2. परिपत्रक व आदेशवाचन
3. आवकजावक नोंदवही
4. प्रशासकीय कामकाजात संगणकाचा वापर
5. शिष्टाचार

- **मूलभूत वाचन**

१. मराठी भाषा : उपयोजन आणि सर्जनः संपादन डॉ. अनिल गवळी, शिवाजी विद्यापीठ, कोल्हापूर
२. नासिराबादकर ल.रा.–व्यावहारिक मराठी, फडके प्रकाशन, (आठवी आवृत्ती)
३. पाटील आनंद, सृजनात्मक लेखन, पद्मगंधा प्रकाशन, पुणे
४. यादव आनंद , साहित्याची निर्मितिप्रक्रिया
५. गोर्ले शिवराज , माणसं कशी जोडावी, राजहंस प्रकाशन
६. डॉ. रफीक सूरज : गाठीभेटी, दर्या प्रकाशन, पुणे

- **पूरक वाचन**

१. भाषिक सर्जनशीलता : स्वरूप आणि प्रकार, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांचे प्रकाशन
२. पेंडसे अंजली : देहबोली, नीळकंठ प्रकाशन, पुणे
३. शासन व्यवहारात मराठी : भाषा संचालनालय, महाराष्ट्र राज्य
४. प्रशासनिक भाषा : भाषा संचालनालय, महाराष्ट्र राज्य

- **संदर्भ ग्रंथ**

१. सराफ रा. सो., भाषा : मातृभाषा आणि परभाषा
२. दावतर वसंत : मराठीचे शिक्षण
३. बेलवलकर सुमन : बेलभाषा
४. गोडबोले अच्युत : संगणकयुग, मौज प्रकाशन
५. व्यावहारिक मराठी विशेषांक, नवभारत 1982
६. पाटील विजया : सेकंद, मुक्ता पब्लिसिंग हाऊस, कोल्हापूर

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १.	एका वाक्यात उत्तरे लिहा	–	5 गुण
प्रश्न २.	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	–	15 गुण
प्रश्न ३.	अंतर्गत विकल्पासह लघुत्तरी प्रश्न	–	10 गुण
प्रश्न ४.	अंतर्गत विकल्पासह लघुत्तरी प्रश्न	–	10 गुण

- **सूचना**
  १. प्रश्न क्र. 4 उपयोजनाचा असेल.
  २. घटक क्र. 2 उपयोजनासाठी असेल.
  ३. अंतर्गत मूल्यमापनासाठी 10 गुण असून त्यासाठी विद्यार्थ्यांना गट प्रकल्प (Group Project) द्यावा.

- **टिप** प्रत्येक घटकासाठी 15 तासिका असतील.

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शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग – 3

मराठी (विशेष)

जून २०१५ पासून

सत्र – ६ : अभ्यासपत्रिका क्रमांक १६

वाङ्मयप्रवाहांचे अध्ययन
(दलित साहित्य)

- **उद्दिष्टे**

१. मराठीतील विविध साहित्यप्रवाहांचा परिचय करून देणे.

२. दलित साहित्यप्रवाहांची प्रेरणा, स्वरूप, वैशिष्ट्ये व विकास समजावून देणे.

३. अभ्यासार्थ नेमलेल्या साहित्यकृतीद्वारे संबंधित साहित्यप्रवाहाचे आकलन करून देणे.

- **अभ्यासक्रम**

साहित्यकृती : सुंभ आणि पीळः ल.सि.जाधव, साकेत प्रकाशन, औरंगाबाद

घटक 1 : दलित साहित्य : व्याख्या, प्रेरणा, स्वरूप, वैशिष्ट्ये आणि विकास

घटक 2 : सुंभ आणि पीळ :आशयसूत्रे

घटक ३ : सुंभ आणि पीळः अभिव्यक्ती

घटक ४ : सुंभ आणि पीळ : प्रसंगचित्रे, व्यक्तिचित्रे

- **प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी**

प्रश्न १. एका वाक्यात उत्तरे लिहा. (' सुंभ आणि पीळ ' वर) – 5 गुण

प्रश्न २. अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न(' सुंभ आणि पीळ ' वर) – 15 गुण

प्रश्न ३. अंतर्गत विकल्पासह लघुत्तरी प्रश्न (' सुंभ आणि पीळ ' वर) – 10 गुण

प्रश्न ४. अंतर्गत विकल्पासह दलित साहित्यप्रवाहावर प्रश्न – 10 गुण

- **मूलभूत वाचन**

सुंभ आणि पीळः ल.सि.जाधव, साकेत प्रकाशन, औरंगाबाद

- **पूरक वाचन**

1. दलित साहित्याच्या निमित्ताने – सदा क–हाडे (अभिनव, मुंबई)
2. दलित चळवळ : एक आकलन – बाळकृष्ण कवठेकर (अजब)
3. दलित चळवळ आणि साहित्य – कृष्णा किरवले (प्रतिमा)
4. दलित कथासाहित्य – प्रकाश कुंभार (प्रियदर्शी, कोल्हापूर)
5. आंबेडकरी विचार आणि साहित्य – अविनाश डोळस (साकेत)
6. दलितसाहित्यः काही विचार आणि दिशाः डॉ.प्रकाश कुंभार

- **संदर्भ ग्रंथ**

1. दलित साहित्य : आजचे क्रांतिविज्ञान – बाबूराव बागूल
2. निळी पहाट – रा. ग. जाधव (श्रीविद्या)
2. दलित साहित्य : वेदना आणि विद्रोह – भालचंद्र फडके (श्रीविद्या)
3. दलित साहित्य : स्वरूप व भूमिका – वामन निंबाळकर (प्रबोधन, नागपूर)
4. आंबेडकरी चळवळीचे अंतरंग – अर्जुन डांगळे (लोकवाङ्मय)
5. संदर्भ दलित चळवळीचा – भा. ल. भोळे (बजाज)
6. दलित कादंबरीः मदन कुलकर्णी

- **टिप** 1. प्रत्येक घटकासाठी 15 तासिका असतील.
  2. अंतर्गत मूल्यमापनासाठी गटप्रकल्प (Group Project) 10 गुणांसाठी आहे.

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शिवाजी विद्यापीठ, कोल्हापूर

वर्ग : बी. ए. भाग : 3

मराठी (विशेष)

जून २०१५ पासून लागू होणा–या अभ्यासक्रमासाठी समकक्षता

अ. क्र.	जुना अभ्यासक्रम	नवीन अभ्यासक्रम
1	अभ्यासपत्रिका क्रमांक : 7 (सत्र 5 वे) काव्यशास्त्र	अभ्यासपत्रिका क्रमांक : 7 (सत्र 5 वे) काव्यशास्त्र
	अभ्यासपत्रिका क्रमांक : 12 (सत्र 6 वे) काव्यशास्त्र	अभ्यासपत्रिका क्रमांक : 12 (सत्र 6 वे) काव्यशास्त्र
2	अभ्यासपत्रिका क्रमांक : 8 (सत्र 5 वे) भाषाविज्ञान आणि मराठी भाषा	अभ्यासपत्रिका क्रमांक : 8 (सत्र 5 वे) भाषाविज्ञान आणि मराठी भाषा
	अभ्यासपत्रिका क्रमांक : 13 (सत्र 6 वे) भाषाविज्ञान आणि मराठी भाषा	अभ्यासपत्रिका क्रमांक : 13 (सत्र 6 वे) भाषाविज्ञान आणि मराठी भाषा
3	अभ्यासपत्रिका क्रमांक : 9 (सत्र 5 वे) मराठी वाङ्मयाचा इतिहास (प्रारंभ ते संत बहिणाबाई)	अभ्यासपत्रिका क्रमांक : 9 (सत्र 5 वे) मराठी वाङ्मयाचा इतिहास
	अभ्यासपत्रिका क्रमांक : 14 (सत्र 6 वे) मराठी वाङ्मयाचा इतिहास (समर्थ संप्रदाय ते आज्ञापत्र)	अभ्यासपत्रिका क्रमांक : 14 (सत्र 6 वे) मराठी वाङ्मयाचा इतिहास
4	अभ्यासपत्रिका क्रमांक : 10 (सत्र 5 वे) मराठी भाषा : उपयोजन आणि सर्जन	अभ्यासपत्रिका क्रमांक : 10 (सत्र 5 वे) मराठी भाषा : उपयोजन आणि सर्जन
	अभ्यासपत्रिका क्रमांक : 15 (सत्र 6 वे) मराठी भाषा : उपयोजन आणि सर्जन	अभ्यासपत्रिका क्रमांक : 15 (सत्र 6 वे) मराठी भाषा : उपयोजन आणि सर्जन
5	अभ्यासपत्रिका क्रमांक : 11 (सत्र 5 वे) वाङ्मयप्रवाहांचे अध्ययन (ग्रामीण व दलित)	अभ्यासपत्रिका क्रमांक : 11 (सत्र 5 वे) वाङ्मयप्रवाहांचे अध्ययन (ग्रामीण साहित्य)
	अभ्यासपत्रिका क्रमांक : 16 (सत्र 6 वे) वाङ्मयप्रवाहांचे अध्ययन (आदिवासी व स्त्रीवादी)	अभ्यासपत्रिका क्रमांक : 16 (सत्र 6 वे) वाङ्मयप्रवाहांचे अध्ययन (दलित साहित्य)

SHIVAJI UNIVERSITY, KOLHAPUR

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Accredided by NAAC 'A' Grade

Revised Syllabus for

Bachelor of Arts

B.A. Part-III - MARATHI

CHOICE BASED CREDIT SYSTEM

(Syllabus will be implemented from June, 2020)

शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ (मराठी) : B.A. Part-III (Marathi)

अभ्यासक्रम : Syllabus

Introduced from June 2020 onwards

समकक्षता / Equivalence

		जुना अभ्यासक्रम		नवा अभ्यासक्रम
सत्र क्र. Sem.	अभ्यास-पत्रिका क्र. Paper No.	अभ्यासपत्रिकेचे नाव	अभ्यास-पत्रिका क्र. Paper No.	अभ्यासपत्रिकेचे नाव
V	VII	काव्यशास्त्र	VII	साहित्यविचार
V	VIII	भाषाविज्ञान आणि मराठी भाषा	VIII	मराठी भाषा व भाषाविज्ञान
V	IX	मराठी वाङ्मयाचा इतिहास	IX	मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते इ.स.१५००)
V	X	मराठी भाषा : उपयोजन आणि सर्जन	X	मराठी भाषा व अर्थार्जनाच्या संधी
V	XI	वाङ्मयप्रवाहांचे अध्ययन (ग्रामीण साहित्य)	XI	वाङ्मयप्रवाहाचे अध्ययन : मध्ययुगीन
VI	XII	काव्यशास्त्र	XII	साहित्यविचार
VI	XIII	भाषाविज्ञान आणि मराठी भाषा	XIII	मराठी भाषा व भाषाविज्ञान
VI	XIV	मराठी वाङ्मयाचा इतिहास	XIV	मध्ययुगीन मराठी वाङ्मयाचा इतिहास (इ.स.१५०० ते १८००)
VI	XV	मराठी भाषा : उपयोजन आणि सर्जन	XV	मराठी भाषा व अर्थार्जनाच्या संधी
VI	XVI	वाङ्मयप्रवाहांचे अध्ययन (दलित साहित्य)	XVI	वाङ्मयप्रकाराचे अध्ययन : ललित गद्य (व्यक्तिचित्रे)

सूचना : १. सत्र पाच (V) साठी विद्यापीठाने प्रत्येक अभ्यासपत्रिकेनुरूप अंतर्गत मूल्यमापनासाठी १० गुणांसाठी सेमिनार सुचविला आहे. सदर सेमिनारसाठी त्या त्या अभ्यासपत्रिकेच्या अभ्यासक्रमानंतर सेमिनार विषय दिले आहेत. त्यापैकी एका विषयावर प्रत्येक विद्यार्थ्याने सादरीकरण करणे आवश्यक आहे. त्यामध्ये विषयानुसार उद्दिष्टे, प्रास्ताविक, विषयविवेचन, निष्कर्ष आणि संदर्भ या सूत्रानुरूप सादरीकरण गरजेचे आहे. ज्या विषयावर सेमिनार दिला आहे त्याची टिपणे विद्यार्थी व संबंधित विषय शिकविणाऱ्या शिक्षकाच्या स्वाक्षरीसह महाविद्यालयाच्या विभागात जतन करून ठेवणे आवश्यक आहे.

२. सत्र सहा (VI) साठी विद्यापीठाने प्रत्येक अभ्यासपत्रिकेनुरूप अंतर्गत मूल्यमापनासाठी १० गुणांचा गटप्रकल्प (Group Project) सूचविला आहे. सदर गटप्रकल्पासाठी त्या त्या अभ्यासपत्रिकेच्या अभ्यासक्रमानंतर गटप्रकल्प विषय सुचविले आहेत. त्यापैकी एका विषयावर गटप्रकल्प सादर करणे आवश्यक. गटप्रकल्प तयार करताना शीर्षक, उद्दिष्टे, प्रास्ताविक, गहीतके, विषयाचे महत्त्व, विषयविवेचन, निष्कर्ष आणि संदर्भ या क्रमाने गटप्रकल्प तयार करावा. एका गटप्रकल्पासाठी कमाल ५ विद्यार्थी मर्यादा असावी. ज्या विषयावर गटप्रकल्प तयार केला आहे; त्यावर गटप्रकल्पकांची व संबंधित विषय शिकविणाऱ्या शिक्षकांची स्वाक्षरी घेऊन सदर प्रकल्प विभागात जतन करून ठेवावेत.

३. सेमिनार व गटप्रकल्पसंदर्भात विषयाची निवड करताना विद्यापीठाने सूचित केलेल्या विषयाबरोबर त्या त्या अभ्यासपत्रिकेनुरूप आणखी काही नावीन्यपूर्ण विषयांची निवड करण्यास स्वातंत्र्य दिले आहे.

शिवाजी विद्यापीठ, कोल्हापूर

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Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

Structure of Programme

Revised syllabus B. A. Part III (MARATHI)

Introduced from June 2020 onwards

Sr.No.	सत्र क्र. Sem.	अभ्यासपत्रिकेचे नाव	अभ्यास–पत्रिका क्र. Paper No.	Worklaod	Credits	Total Credits	Theory Marks	Term work/ Seminar
1	V	साहित्यविचार	VII	4 lectures/ week	4	20	40	10
2	V	मराठी भाषा व भाषाविज्ञान	VIII	4 lectures/ week	4		40	10
3	V	मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते इ.स.१५००)	IX	4 lectures/ week	4		40	10
4	V	मराठी भाषा व अर्थार्जनाच्या संधी	X	4 lectures/ week	4		40	10
5	V	वाङ्मयप्रवाहाचे अध्ययन : मध्ययुगीन	XI	4 lectures/ week	4		40	10
Sr.No.	सत्र क्र. Sem.	अभ्यासपत्रिकेचे नाव	अभ्यास–पत्रिका क्र. Paper No.	Worklaod	Credits	Total Credits	Theory Marks	Term work/ Group project
6	VI	साहित्यविचार	XII	4 lectures/ week	4	20	40	10
7	VI	मराठी भाषा व भाषाविज्ञान	XIII	4 lectures/ week	4		40	10
8	VI	मध्ययुगीन मराठी वाङ्मयाचा इतिहास (इ.स.१५०० ते १८००)	XIV	4 lectures/ week	4		40	10
9	VI	मराठी भाषा व अर्थार्जनाच्या संधी	XV	4 lectures/ week	4		40	10
10	VI	वाङ्मयप्रकाराचे अध्ययन : ललितगद्य (व्यक्तिचित्रे)	XVI	4 lectures/ week	4		40	10

शिवाजी विद्यापीठ, कोल्हापूर

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Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-५ : Semister No. V : अभ्यासपत्रिका क्र. VII

Discipline Specific Elective (DSE-E1)

विद्याशाखीय विशेष निवड (DSE-E1)

साहित्यविचार

उद्दिष्टे :

१. पौर्वात्य, पाश्चात्त्य व आधुनिक भारतीय साहित्यशास्त्राचे स्वरूप समजून घेणे.

२. ललित व ललितेतर साहित्याचे स्वरूप समजून घेणे.

३. साहित्य प्रयोजनांचे आकलन करून घेणे.

४. साहित्याची निर्मितिप्रक्रिया आणि त्याचे स्वरूप आकलन करून घेणे.

५. भाषेतील अलंकार समजून घेणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	साहित्याचे स्वरूप ■ साहित्याच्या व्याख्या ● **पौर्वात्य** – भामह, मम्मट, आनंदवर्धन, विश्वनाथ **पाश्चात्त्य** – वर्डस्वर्थ,कोर्ट्होप,मॅथ्यू अर्नोल्ड, कार्लाइल ● **आधुनिक** – विनोबा भावे, अ. वा. कुलकर्णी, गंगाधर गाडगीळ, वि. ना. ढवळे, ■ ललित व ललितेतर साहित्य ■ ललित साहित्यातून व्यक्त होणाऱ्या अनुभवांचे विशेष– संवेदनात्मकता, भावनात्मकता, वैचारिकता, सेंद्रियता, सूचकता, विशिष्टता, विश्वात्मकता	१५	१

विभाग २ **Module 2**	**साहित्याचे प्रयोजन** ● प्रयोजन म्हणजे काय ? ● प्रयोजन आणि परिणाम यातील फरक ■ **साहित्याची प्रयोजने :** १) यश किंवा कीर्ती २) व्यवहारज्ञान ३) आनंद ४) उद्‌बोधन ५) आत्माविष्कार ६) जिज्ञासापूर्ती ७) जीवनानुभूती ८) इच्छापूर्ती अथवा स्वप्नरंजन ९) पलायनवाद (Escapism)	१५	१
घटक ३ **Module 3**	**साहित्यनिर्मितीची कारणे** ● साहित्यनिर्मितीचे स्वरूप ● साहित्यनिर्मितीची कारणे १) प्रतिभा – स्वरूप व वैशिष्ट्ये (प्रतिभाव्यापार, प्रतिभेचे अलौकिकत्व, अपूर्वनिर्मितिक्षम प्रतिभा, प्रतिभा ही वेडाची बहीण) २) बहुश्रुतता ३) अभ्यास ४) भावनात्मकता ५) संवेदनशीलता ६) उत्प्रेक्षा ७) चमत्कृती ८) स्वास्थ्य (शारीरिक, मानसिक) ९) साहित्यिकाचा जीवनविषयक दृष्टिकोण	१५	१
घटक ४ **Module 4**	**अलंकार** १) अतिशयोक्ती २) स्वभावोक्ती ३) दृष्टान्त ४) उपमा ५) अनुप्रास ६) रूपक (व्याख्या, स्वरूप आणि उदाहरणे अपेक्षित)	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	अलंकार (चार पैकी दोन)	१० गुण

सूचना :

१. विभाग चार वर वस्तुनिष्ठ प्रश्न असणार नाहीत.

२. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

- विविध साहित्य प्रवाहातील कोणत्याही एका साहित्यकृतीचे किंवा अनुवादित साहित्यकृतीचे परीक्षण करून सादरीकरण करणे.
- कोणत्याही भाषेतील एका चित्रपट वा नाटकाचे परीक्षण करून सादरीकरण करणे.

मूलभूत वाचन :

१. जोग, रा. श्री. — *अभिनव काव्यप्रकाश,* व्हीनस प्रकाशन, पुणे, आवृत्ती ७ वी, १९७५

२. गाडगीळ, स. रा. — *काव्यशास्त्रप्रदीप,* व्हीनस प्रकाशन, पुणे, आवृत्ती ४ थी, जानेवारी, १९९३

३. गोविलकर, लीला — *भारतीय साहित्यविचार,* स्नेहवर्धन, पुणे, २००३

४. वाळंबे, मो. रा. — *सुगम मराठी व्याकरण,* नितीन प्रकाशन, पुणे

५. देशपांडे, अ. ना. (संपा.) — *विनोबांची साहित्यदृष्टी,* परमधाम प्रकाशन, पवनार, वर्धा, १९७५

६. कुलकर्णी, अ. वा. — *साहित्यविचार,* प्रतिमा प्रकाशन, पुणे, आ.दु. १९९७

७. गाडगीळ, गंगाधर — *खडक आणि पाणी,* पॉप्युलर प्रकाशन, मुंबई, १९६०.

८. ढवळे, वि. ना. — *साहित्याचे तत्त्वज्ञान,* कॉन्टिनेन्टल प्रकाशन, पुणे

पूरक वाचन :

१. उपासे, शिवशंकर — *काव्यशास्त्र परिचय,* फडके प्रकाशन, कोल्हापूर, २०१३

२. कंगले, र. पं. — *प्राचीन काव्यशास्त्र,* मौज प्रकाशन, मुंबई, १९७४

३. देशमुख, मा. गो. — *मराठीचे साहित्यशास्त्र,* (ज्ञानेश्वर ते रामदास)

४. डॉ. नगेंद्र (अनुवादक : शैलजा करंदीकर) — *भारतीय काव्यशास्त्राचे मूळ प्रश्न,* सुविचार, नागपूर, पुणे, १९६७

संदर्भ ग्रंथ :

१. जाधव, उदय — *काव्यशास्त्र : आकलन आणि आस्वाद,* लोकपाल पब्लिकेशन, औरंगाबाद प्रथमावृत्ती, ५ सप्टेंबर, २०१३

२. पुंडे, दत्तात्रय व तावरे, स्नेहल (संपा.) — *साहित्य विचार,* स्नेहवर्धन प्रकाशन, पुणे, प्रथमावृत्ती, फेब्रुवारी, १९९५

३. पाटील, म. सु. — *भारतीयांचा साहित्यविचार,* चेतश्री प्रकाशन, अमळनेर

४. वासमकर, वि. दा. — *मराठीतील कलावादी समीक्षा,* अक्षरदीप प्रकाशन, कोल्हापूर, आ. प. २०१८

५. करंदीकर, गो. वि. — *ॲरिस्टॉटलचे काव्यशास्त्र,* पॉप्युलर प्रकाशन, मुंबई

६. जाधव, मा. मा. — अक्षरगाथा (मराठी साहित्यविचार विशेषांक) मासिक, नांदेड, एप्रिल, २०१४

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Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-५ : Semister No. 5 : अभ्यासपत्रिका क्र. VIII

Discipline Specific Elective (DSE-E2)

विद्याशाखीय विशेष निवड (DSE-E2)

मराठी भाषा व भाषाविज्ञान

उद्दिष्टे :

१. भाषोत्पत्तीचा अभ्यास करणे.

२. भाषाविज्ञानाचा परिचय करून घेणे.

३. भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध जाणून घेणे.

४. स्वनविचार, रूपविचार व वाक्यविचारांचा परिचय करून घेणे.

५. मराठी भाषेविषयी विद्यार्थ्यांची आवड विकसित करणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	भाषोत्पत्ती विचार ● भाषेची उत्पत्ती – ईश्वरनिर्मित, राजनिर्मित, समाजनिर्मित ● भाषेच्या उत्पत्तीच्या उपपत्ती/सिद्धांत १. इंगित (Gesture) २. मुखाभिनय (Oral Gesture) ३. अनुकरण (Bow-Bow) ४. रणन (Ding Dong) ५. भावनाभिव्यक्ती (Pooh-Pooh) ६. श्रमपरिहार (Yo-he-Yo) ७. प्रेमगानमूलक (Sing-Song) ८. संपर्क (Contact) ९. क्रीडासक्ती (Play-Way) १०. समन्वय उपपत्ती/सिद्धांत	१५	१
विभाग २ Module II	भाषेचे स्वरूप, व्याख्या आणि वैशिष्ट्ये ● भाषा म्हणजे काय ? ● भाषेच्या व्याख्या : कृ. पां. कुलकर्णी, ना. गो. कालेलकर, श्री. न. गजेंद्रगडकर ● भाषेचे स्वरूप : समाजव्यवहाराचे साधन, ध्वनिमाध्यमता, प्रतीकात्मकता, संकेतबद्धता, भाषा – एक पद्धती, भाषा मानवी आहे. ● सी. एफ. हॉकेटने सांगितलेली भाषेची सात वैशिष्ट्ये दुहेरीपण, निर्मितिक्षमता, कार्यकारण संबंधाचा अभाव, यादृच्छिकता, अदलाबदलीची शक्यता, विशिष्टीकरण, स्थलकालातीतता, सांस्कृतिक संक्रमण या शिवाय – सामाजिक संस्था, अर्जित भाषा, परिवर्तनशीलता, रैखिकता इ. वैशिष्ट्यांचा विचार	१५	१

विभाग ३ **Module III**	स्वनिम व रूपिम विचार (स्थूल परिचय) अ. स्वनिम विचार १. स्वन २. स्वनिम ३. स्वनांतर (संकल्पना,स्वरूप,प्रकार) ब. रूपिम विचार १. रूप २. रूपिम ३. रूपिकांतर (संकल्पना,स्वरूप,प्रकार)	१५	१
विभाग ४ **Module IV**	वाक्यविचार ● पदबंध व वाक्याचे स्वरूप ● वाक्याचे प्रकार केवलवाक्य व त्याचे प्रकार, मिश्रवाक्य व त्याचे प्रकार, संयुक्त वाक्य व त्याचे प्रकार, वाक्याचे पृथक्करण	१५	१

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना :

१. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

१. स्वन–स्वनिम, रूप–रूपिम पैकी कोणत्याही एका घटकाच्या अनुषंगाने प्रात्यक्षिकांसह सादरीकरण अपेक्षित.

२. कोणत्याही एका साहित्यकृतीच्या निवडक भागातील वाक्यांचे प्रकार, पृथक्करण, विश्लेषणासह सादरीकरण अपेक्षित.

मूलभूत वाचन :

१. जोशी, प्र. न. — *सुबोध भाषाशास्त्र,* स्नेहवर्धन प्रकाशन, पुणे

२. गवळी, अनिल — *भाषाविज्ञान आणि मराठी भाषा,* हिरण्यकेशी प्रकाशन, कोल्हापूर

३. धोंगडे, रमेश — *भाषा आणि भाषाविज्ञान,* दिलीपराज प्रकाशन, पुणे

४. कानडे, मु. श्री. (संपा.) — *मराठीचा भाषिक अभ्यास,* स्नेहवर्धन प्रकाशन, पुणे

५. गजेंद्रगडकर, श्री. न. — *भाषा आणि भाषाशास्त्र,* व्हीनस प्रकाशन, पुणे

६. हिरेमठ, राजशेखर — *मराठी व्याकरण परिचय,* मेहता पब्लिशिंग हाऊस, पुणे

७. Hocket C.F. — A course in Modern Linguistics, Oxford, New York, 1958

पूरक वाचन :

१. कुलकर्णी, कृ. पां. — *मराठी भाषा : उद्‌गम आणि विकास,* मेहता पब्लिशिंग हाऊस, पुणे

२. मालशे, मिलिंद — *आधुनिक भाषाविज्ञान : सिद्धांत आणि उपयोजन,* लोकवाङ्‌मयगृह,मुंबई

३. कुलकर्णी, सुलक्षणा व कुबेर, वसंत — *भाषाविज्ञान परिचय,* फडके प्रकाशन, कोल्हापूर

४. दामले, मो. के. — *शास्त्रीय मराठी व्याकरण,* दामोदर सावळाराम आणि मंडळी, पुणे

संदर्भ ग्रंथ :

१. मालशे, पुंडे, सोमण (संपा.) — *भाषाविज्ञानपरिचय,* पद्मगंधा प्रकाशन, पुणे

२. पुंडे, द. दि. — *सुलभ भाषाविज्ञान,* स्नेहवर्धन प्रकाशन, पुणे

३. कदम, महेंद्र — *मराठीचे वर्णनात्मक भाषाविज्ञान,* स्नेहवर्धन प्रकाशन, पुणे

४. काळे, कल्याण/सोमण, अंजली (संपा.) — *आधुनिक भाषाविज्ञान,* प्रतिमा प्रकाशन, पुणे

५. पाटील, व्ही. एन. — *सुलभ भाषाविज्ञान व मराठी व्याकरण,* प्रशांत पब्लिकेशन्स, जळगाव, आ.दु. २, २०१६

६. भांड, बाबा व मगर, राजेंद्र — *भाषा आणि साहित्य, माझी भूमिका : सयाजीराव गायकवाड,* महाराजा सयाजीराव गायकवाड संशोधन व प्रशिक्षण संस्था, औरंगाबाद,२०२०

७. लामतुरे, प्रज्ञा — *ग्रामीण बोलीभाषेचे वैभव,* संस्कृती प्रकाशन, पुणे, २०१२

८. जाधव, मा. मा. (संपा.) — *अक्षरगाथा* (मराठी भाषा विशेषांक), मासिक, नांदेड, ऑक्टोबर, २०१३

शिवाजी विद्यापीठ, कोल्हापूर

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Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-५ : Semister No. 5 : अभ्यासपत्रिका क्र. IX

Discipline Specific Elective (DSE-E3)

विद्याशाखीय विशेष निवड (DSE-E3)

मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते इ.स.१५००)

उद्दिष्टे :

१. मध्ययुगीन मराठी वाङ्मयाचा कालिक अभ्यास करणे.

२. मध्ययुगीन मराठी वाङ्मयाचा स्थूल परिचय करून घेणे.

३. मध्ययुगीन मराठी वाङ्मयाचे स्वरूप, वैशिष्ट्ये अभ्यासणे.

४. मध्ययुगीन मराठी वाङ्मयातील महत्त्वाचे ग्रंथकार आणि ग्रंथ यांचा स्थूल परिचय करून घेणे.

५. मध्ययुगीन मराठी वाङ्मयाच्या गद्य, पद्य रचनेचे विशेष अभ्यासणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	■ **मराठी वाङ्मयाचा प्रारंभकाळ ते इ.स. १२०० पर्यंत** अ) विवेकसिंधूपूर्वकालीन रचना कुवलयमाला, मानसोल्लास, राजमतिप्रबोध, अमरनाथ संवाद, गोरक्षगीता इ. ब) मराठीतील आद्य ग्रंथकार मुकुंदराज यांची रचना विवेकसिंधू, पवनविजय, परमामृत क) मराठीतील आद्य कवयित्री महदंबा यांची रचना धवळे (पूर्वार्ध व उत्तरार्ध), मातृकी रुक्मिणीस्वयंवर	१५	१
विभाग २ Module II	■ **इ. स. १२०० ते १३०० (स्थूल कालखंड)** अ) महानुभावीय गद्य वाङ्मय म्हाइंभट – लीळाचरित्र, श्री. गोविंदप्रभूचरित्र व इतर रचना केसोबास – सूत्रपाठ, दृष्टांतपाठ, स्मृतिस्थळ	१५	१

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग २ Module II	ब) महानुभावीय पद्य वाङ्मय **सातीग्रंथ** (ग्रंथ व ग्रंथकार स्थूल परिचय) नरेंद्र – रुक्मिणी स्वयंवर भास्करभट्ट बोरीकर – शिशुपालवध, उद्धवगीता किंवा एकादशस्कंध दामोदर पंडित – वछाहरण पंडित विश्वनाथ – ज्ञानप्रबोध रवळोव्यास – सह्याद्रिवर्णन नारायणपंडित – श्री ऋद्धिपूरवर्णन	१५	१
विभाग ३ Module III	इ. स. १३०० ते १४०० (स्थूल कालखंड) अ) ज्ञानेश्वरांचे वाङ्मयीन कार्य ज्ञानेश्वरी, अमृतानुभव, चांगदेवपासष्टी, हरिपाठाचे अभंग व इतर रचना ब) नामदेवांची अभंगरचना क) सावता माळी, गोरोबा कुंभार, मुक्ताबाई, सेना महाराज, नरहरी सोनार, चोखामेळा, जनाबाई, कान्होपात्रा यांच्या रचना	१५	१
विभाग ४ Module IV	इ. स. १४०० ते १५०० (स्थूल कालखंड) अ) अन्य संप्रदायातील प्रमुख ग्रंथकार आणि त्यांची ग्रंथरचना सत्यमालनाथ, चोंभा (नाथ संप्रदाय) शांतलिंग आणि मन्मथशिवलिंग (लिंगायत संप्रदाय) गुणकीर्ती व जिनदासनामा (जैन मराठी कवी) नृसिंह सरस्वती आणि दासोपंत (दत्त संप्रदाय) अज्ञानसिद्ध व बहिराजातवेद (नागेश संप्रदाय) शेख महंमद आणि हुसेन अंबरखान (मुस्लीम मराठी कवी) फादर स्टिफन्स, फादर क्रुवा (ख्रिस्ती मराठी कवी)	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना :

१. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

१) मध्ययुगीन मराठी वाङ्मयातील कोणत्याही एका ग्रंथकाराच्या रचना विशेषावर सादरीकरण.

२) कोणत्याही एका संत कवीच्या काव्यातील सामाजिकतेवर सादरीकरण.

३) कोणत्याही एका संत कवयित्रीच्या कवितेतील आत्मनिष्ठा यावर आधारित सादरीकरण.

मूलभूत वाचन :

१. नसिराबादकर, ल. रा. — *प्राचीन मराठी वाङ्मयाचा इतिहास,* फडके प्रकाशन, कोल्हापूर

२. पठाण, यू. म. — *महानुभाव साहित्य संशोधन खंड १,* मराठवाडा विद्यापीठ प्रकाशन, औरंगाबाद

३. देशपांडे, अ. ना. — *प्राचीन मराठी वाङ्मयाचा इतिहास खंड १ ते ४*

४. पांगारकर, ल. रा. — *प्राचीन मराठी वाङ्मयाचा इतिहास खंड १ ते ३,* महाराष्ट्र साहित्य परिषद प्रकाशन, पुणे

५. पसारकर, शे. दे. — *वेलू गेला गगनावरी,* सुविद्या प्रकाशन, सोलापूर

पूरक वाचन :

१. शेणोलीकर, ह. श्री. — *प्राचीन मराठी वाङ्मयाचे स्वरूप,* व्हीनस प्रकाशन, पुणे

२. पांगारकर, ल. रा. — *मराठी वाङ्मयाचा इतिहास खंड १ व २,*

३. तुळपुळे, शं. गो. — *मराठी वाङ्मयाचा इतिहास,* महाराष्ट्र साहित्य परिषद, पुणे

४. मांडवकर, भाऊ — *संत नामदेव दर्शन,* सेवा प्रकाशन, अमरावती

५. इनामदार, हे. वि. (संपा.) — *संत नामदेव काव्यसंभार आणि संत परिवार*

६. उपासे, शिवशंकर — *महाराष्ट्र भूषण सहा संत साहित्यिक,* फडके प्रकाशन, कोल्हापूर, २०१२

७. उपासे, शिवशंकर (संपा.) — *शांतलिंगकृत कर्णहंस,* प्रका. शरण संस्कृती अध्ययन केंद्र, सिद्ध संस्थान मठ, निडसोसी, ता. हुक्केरी, जि. बेळगाव

८. पसारकर, शे. दे. (संपा.) — *श्री मन्मथशिवलिंगकृत परमरहस्य,* शैवभारती शोध प्रतिष्ठान, वाराणसी, २००१

९. केळुसकर, कृष्णराव — *संत तुकाराम,* साकेत प्रकाशन, औरंगाबाद

१०. फाटक, न. र. — *श्री एकनाथ : वाङ्मय आणि कार्य,* मौज प्रकाशन गृह, मुंबई

११. परमार्ग सेवक श्री बाळकृष्णशास्त्री महानुभाव — *महानुभावपंथ,* प. पू. मधुकरशास्त्री कवीश्वर, पंचकमिटी संस्थान, श्री देवदेवेश्वर, माहूर, आ. आठवी, २०१४

संदर्भ ग्रंथ :

१. देऊळगावकर, चंद्रकांत (संपा.) — मन्मथस्वामी व्यक्ती आणि वाङ्मय, प्रका. शैवभारती शोध प्रतिष्ठान, जंगमवाडी मठ, वाराणसी

१. पाटील, तानाजी — *संत साहित्यातील सामाजिकता,* विश्वकर्मा पब्लिकेशन, पुणे

२. सुंठणकर, बा. र. — *महाराष्ट्रीय संतमंडळीचे ऐतिहासिक कार्य,* बेळगाव

३. सरदार, गं. बा. — *संत वाङ्मयाची सामाजिक फलश्रुती,* म. सा. प. पुणे

४. जाधव, रा. ग. — *आनंदाचा डोह,* प्राज्ञ पाठशाळा मंडळ, वाई

५. जाधव, रा. ग. — *वागर्थ,* प्रतिमा प्रकाशन, पुणे

६. कामत, अशोक व बडवे, सतीश (संपा.) — *संत नामदेवविषयक अभ्यास,* आळंदी

७. देशमुख, उषा — *मांदियाळी,* माया प्रकाशन, नागपूर

८. पाटील, सदाशिव — *तुकाराम आणि कबीर,* दर्या प्रकाशन, पुणे

९. घोणसे, शामा — *वीरशैवांचे मराठी–हिंदी वाङ्मय : एक अभ्यास,* शैवभारती शोध प्रतिष्ठान, जंगमवाडी मठ, वाराणसी

१०. प्रियोळकर, अ. का. — *मुसलमानांची जुनी मराठी कविता*

११. ढेरे, रा. चिं. — *मुसलमान मराठी संतकवी,* पद्मगंधा प्रकाशन, पुणे

१२. पठाण, यू. म. — *मुसलमान (सुफी) संतांचे मराठी साहित्य*

१३. मोरजे, गंगाधर — *मराठी ख्रिस्ती वाङ्मय, फादर स्टिफन्स ते १९६०,* अहमदनगर

१४. उपाध्ये, बाबुराव — *संत गोरा कुंभार : वाङ्मय दर्शन,* स्नेहवर्धन प्रकाशन, पुणे

१५. इलेंकर, सुहासिनी — *संत कवी आणि कवयित्री : एक अनुबंध,* स्नेहवर्धन प्रकाशन, पुणे

१६. अक्कोळे, सुभाषचंद्र — *प्राचीन मराठी जैन साहित्य,* सुविचार प्रकाशन, नागपूर

१७. पाटंगणकर, विद्यासागर — *मराठी संत कवयित्रींचा इतिहास,* साहित्य अकादमी, नवी दिल्ली

१८. होनमाने, धनंजय — *तंजावरची मराठी कीर्तनपरंपरा,* स्नेहवर्धन, पुणे, २०१७

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-५ : Semister No. V : अभ्यासपत्रिका क्र. X

Discipline Specific Elective (DSE-E4)

विद्याशाखीय विशेष निवड (DSE-E4)

मराठी भाषा व अर्थार्जनाच्या संधी

पाठ्यपुस्तक : मराठी भाषा व अर्थार्जनाच्या संधी (संपादन)

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर

उद्दिष्टे :

१. सर्जनशील लेखनप्रक्रिया समजून घेणे.

२. वैचारिक लेखनाचे स्वरूप अभ्यासणे.

३. शोधनिबंध व प्रकल्पलेखन कौशल्य समजून घेणे.

४. आंतरजालावरील मराठी लेखनपद्धती अभ्यासणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	**सर्जनशील लेखन** ■ सर्जनशील लेखन – संकल्पना व स्वरूप ● कथा – संकल्पना, स्वरूप ● कथेचे घटक ● प्रात्यक्षिकासह कथालेखन	१५	१
विभाग २ Module II	**वैचारिक लेखन** ● वैचारिक लेखन : संकल्पना व स्वरूप ● वैचारिक लेखनाची पद्धत ● वैचारिक लेखनाचे प्रकार ● प्रात्यक्षिकासह वैचारिक लेखन	१५	१

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग ३ Module III	**शोधनिबंध व प्रकल्पलेखन (स्थूल परिचय)** ● संशोधन : संकल्पना, स्वरूप, महत्त्व ● संशोधनपर लेखनप्रकार परिचय १. शोधनिबंध – स्वरूप व पद्धती २. संशोधन प्रकल्प – स्वरूप व पद्धती ३. प्रबंधिका ४. प्रबंध ● संशोधनपर लेखनाची पथ्ये व भाषा	१५	१
विभाग ४ Module IV	**आंतरजालावरील (Internet) मराठी** ● आंतरजालावरील मराठीविषयक लेखनाचे स्वरूप ● नोंदी लेखन, विश्वकोश, विकिपीडिया इ. ● आंतरजालावरील मराठी संकेतस्थळांचा परिचय १. राज्य मराठी विकास संस्था २. महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ ३. भाषा संचालनालय ४. मराठी भाषा विभाग, महाराष्ट्र शासन ५. मराठी साहित्य परिषद, पुणे ६. विश्वकोश मंडळ ७. इतर संकेतस्थळे – साहित्य अकादमी, नॅशनल बुक ट्रस्ट, भारतीय भाषा संस्थान, म्हैसूर इ. ● प्रात्यक्षिकासह आंतरजालावर मराठीविषयक लेखन	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना : १. प्रश्न क्र. ४ मध्ये ४ पैकी २ प्रश्न उपयोजनावर आधारित असतील.

२. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

१. भाषा, साहित्य, संस्कृती व माध्यमविषयक कोणत्याही एका विषयावर शोधनिबंधाचे सादरीकरण करणे.

मूलभूत वाचन :

१. जोशी, सुधा — *कथा संकल्पना आणि समीक्षा,* मौज प्रकाशन, मुंबई, २००२

२. सारंग, विलास — *सर्जनशोध आणि लिहिता लेखक,* मौज प्रकाशन, मुंबई

३. मालशे, मिलिंद (संपा.) — *शोधनिबंधाची लेखनपद्धती* (सुधारित आवृत्ती) लोकवाङ्मय गृह, मुंबई

४. पाटील, आनंद — *सृजनात्मक लेखन,* पद्मगंधा प्रकाशन, पुणे, २००९

५. काळे, कल्याण, पुंडे, द. दि. — *व्यावहारिक मराठी,* निराली प्रकाशन, पुणे, २००७

६. वेलणकर, जयंत — *प्रबंध कसा लिहावा,* साहित्य प्रसारक केंद्र, नागपूर

७. कऱ्हाडे, सदा — *संशोधन : सिद्धांत आणि पद्धती,* लोकवाङ्मय गृह, मुंबई

८. चुनेकर, सु. रा. व पठारे, रंगनाथ (संपा.) — *संशोधन स्वरूप आणि पद्धती,* शि. प्र. संस्था, संगमनेर

९. वरखेडे, रमेश नारायण व वरखेडे, मंगला रमेश — *संशोधनाचे पद्धतिशास्त्र,* ॲग्रामण्ये इन्स्टिट्यूट ऑफ एज्युकेशन, एक्सलन्स, पुणे

१०.रोकडे, सुहास — *संगणक व माहिती तंत्रज्ञान,* नाथे प्रकाशन, पुणे

पूरक वाचन :

१. नसिराबादकर, ल. रा. — *व्यावहारिक मराठी,* फडके प्रकाशन, कोल्हापूर

२. रेगे, मे. पुं. (संपा.) — *नवभारत* (मासिक), व्यावहारिक मराठी विशेषांक, प्राज्ञ पाठशाळा मंडळ, वाई, ऑगस्ट–सप्टेंबर, १९८१

३. गवस, राजन; शिंदे, अरुण व पाटील, गोमटेश्वर — *भाषिक सर्जन आणि उपयोजन,* दर्या प्रकाशन, पुणे, २०१२

४. गोविलकर, लीला पाटणकर, जयश्री — *व्यावहारिक मराठी,* स्नेहवर्धन पब्लिशिंग हाऊस, पुणे, २००७

५. शेख, यास्मिन — *मराठी लेखन मार्गदर्शिका,* राज्य मराठी विकास संस्था व शुभदा सारस्वत प्रकाशन, पुणे, १९९९/सुधारित तिसरी आवृत्ती, राज्य मराठी विकास संस्था, मुंबई, डिसें.२०१७

६. शिकारपूरकर, दीपक — *दिव्यांगमित्र संगणक,* उत्कर्ष प्रकाशन, पुणे

७. शेख, यास्मिन — मराठी हस्तलेखन कोश, दुसरी आवृत्ती, हर्मिस प्रकाशन, पुणे, २०१५

संदर्भ ग्रंथ :

१. तौर, पृथ्वीराज — *मराठी भाषिक कौशल्ये विकास,* अथर्व पब्लिकेशन्स, धुळे, २०१८

२. जोशी, प्रभाकर व वले, वासुदेव — *उपयोजित मराठी भाग १,* प्रशांत पब्लिकेशन्स, जळगाव, २०१७

३. सारंग, विलास — *सर्जनशोध आणि लिहिता लेखक,* मौज प्रकाशन, मुंबई

४. पाटील, आनंद — *सृजनात्मक लेखन,* पद्मगंधा प्रकाशन, पुणे

५. लोखंडे, शशिकांत — *नवी जाणीव,* लोकवाङ्मय गृह, मुंबई, २०१२

६. गवळी, अनिल — *मराठी भाषा : आज आणि उद्या,* दर्या प्रकाशन, पुणे, २०१८

७. गवळी, अनिल व मोरे, नंदकुमार — *भाषासंवाद,* सायन पब्लिकेशन, पुणे, २०१३

८. कांबळे, विनोद — *सर्जननोंदी,* वाचनकट्टा प्रकाशन, प्रा. लि., कोल्हापूर, २०१९

९. वरखेडे, मंगला — प्रकल्प अभ्यास, नाशिक

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-५ : Semister No. V : अभ्यासपत्रिका क्र. XI

Discipline Specific Elective (DSE-E5)

विद्याशाखीय विशेष निवड (DSE-E5)

वाङ्मय प्रवाहाचे अध्ययन : मध्ययुगीन

पाठ्यपुस्तक : दृष्टांतपाठ-निवडक दृष्टांत (संपादन)
शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर

उद्दिष्टे :

१. मध्ययुगीन महाराष्ट्र व महानुभाव पंथ यांचा परिचय करून घेणे.
२. महानुभाव वाङ्मयाच्या प्रेरणा व स्वरूप समजून घेणे.
३. महानुभावीय ग्रंथकार केसोबास यांचा परिचय करून घेणे.
४. दृष्टांतपाठातील आशयस्वरूप व अभिव्यक्ती विशेष अभ्यासणे.
५. दृष्टांतपाठातील भाषिक वैभवाचा परिचय करून घेणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	● मध्ययुगीन महाराष्ट्र आणि महानुभावीय गद्याच्या प्रेरणा व स्वरूप ● महानुभाव गद्य ग्रंथकार केसोबास यांचा परिचय ● दृष्टांतपाठाचे स्वरूप	१५	१
विभाग २ Module II	■ दृष्टांतपाठातील आशयसूत्रे ● सामाजिकता ● सांस्कृतिकता ● प्रादेशिकता ● पंथीय निष्ठा ● तत्त्वज्ञान व मूल्यविचार	१५	१
विभाग ३ Module III	■ दृष्टांतपाठातील अभिव्यक्ती विशेष ● निवेदन/कथनशैली ● व्यक्तिचित्रणे ● घटना, प्रसंगवर्णने ● प्रतिमा व प्रतीके ● रचनाविशेष	१५	१
विभाग ४ Module IV	■ दृष्टांतपाठातील भाषावैभव ● शब्दसौष्ठव ● अल्पाक्षरत्व ● सुलभ रचनाविशेष ● म्हणी,वाक्प्रचार,उखाणे ● अलंकार वैभव ● व्याकरणिक विशेष	१५	१

❊ प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी ❊

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना : १. विभाग एकवर वस्तुनिष्ठ प्रश्न असणार नाहीत.

२. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

मध्ययुगीन मराठी वाङ्मयातील कोणत्याही एका साहित्यकृतिआधारे सामाजिक, सांस्कृतिक, मूल्यविचार, भाषाविशेष इत्यादींपैकी कोणत्याही एका विषयानुषंगाने सादरीकरण करणे.

मूलभूत वाचन :

१. तुळपुळे, शं. गो. (संपा.) *दृष्टांतपाठ, केशिराज संकलित,* व्हीनस प्रकाशन, पुणे

२. कोलते, वि. भि. *महानुभाव तत्त्वज्ञान,* अरुण प्रकाशन, मलकापूर

३. कोलते, वि. भि. *महानुभाव आचारधर्म,* अरुण प्रकाशन, मलकापूर

४. राजनकर, सुहास *दृष्टांतपाठ : अन्वय आणि चिकित्सा,* ऋचा प्रकाशन, नागपूर

५. कुंदप, कोमल कन्हैया *चक्रधर निरुपन दृष्टांतपाठ विवेचन,* सातारा

पूरक वाचन :

१. पठाण, यू. म. *महानुभाव साहित्य संशोधन खंड १,* मराठवाडा विद्यापीठ प्रकाशन, औरंगाबाद

२. पंजाबी, माधव (संपा.) *श्री. च. पाणी व्यासकृत दृष्टांत अन्वय व्याख्यान*

३. आवलगावकर, रमेश *महानुभावांची अन्वयस्थळे,* चंद्रकांत प्रकाशन, पुणे

४. ढेरे, रा. चिं. *प्राचीन मराठीच्या नवधारा,* मोघे प्रकाशन, कोल्हापूर

संदर्भ ग्रंथ :

१. पानसे, मु. ग. *यादवकालीन महाराष्ट्र,* मुंबई मराठी ग्रंथ संग्रहालय, मुंबई

२. बोरगांवकर, वसंत *प्राचीन मराठी चरित्रलेखन,* कॉन्टिनेन्टल प्रकाशन, पुणे

३. तुळपुळे, शं. गो. *यादवकालीन मराठी भाषा,* व्हीनस प्रकाशन, पुणे

४. देशमुख, उषा *मराठी साहित्याचे आदिबंध,* लोकवाङ्मयगृह, मुंबई

५. ढेरे, रा. चिं. *महाराष्ट्राचा देव्हारा,* विश्वकर्मा साहित्यालय, पुणे

६. पाठक, अरुणचंद्र *स्थानपोथी : एक पुरातत्वीय अभ्यास,* म.रा.साहित्य संस्कृती मंडळ, मुंबई

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-६ : Semister No. 6 : अभ्यासपत्रिका क्र. XII

Discipline Specific Elective (DSE-E126)

विद्याशाखीय विशेष निवड (DSE-E126)

साहित्यविचार

उद्दिष्टे :

१. शब्दशक्तींचे आकलन करून घेणे.

२. साहित्यातील रसाचे स्वरूप व रसप्रक्रिया समजून घेणे.

३. निर्मितीच्या आनंदाची मीमांसा करणे.

४. व्यवहार भाषा, शास्त्रभाषा आणि साहित्यभाषा यांतील भेद समजून घेणे.

५. साहित्यभाषेचे आकलन करून घेणे.

६. भाषेतील छंद व वृत्ते यांचा अभ्यास करणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	शब्दशक्ती ■ शब्दशक्ती म्हणजे काय ? १) **अभिधा**–व्याखा, स्वरूप व प्रकार (योग, रूढी, योगरूढी) २) **लक्षणा** – व्याख्या, स्वरूप ● लक्षणेस आवश्यक गोष्टी अ) मुख्यार्थबाध ब) मुख्यार्थ–लक्ष्यार्थ संबंध क) रूढी व प्रयोजन ● लक्षणेचे महत्त्व ३) **व्यंजना** – व्याख्या, स्वरूप ● व्यंजनेचे मुख्य दोन प्रकार अ) शाब्दी व्यंजना ब) आर्थी व्यंजना ● व्यंजनेचे साहित्यातील महत्त्व	१५	१

विभाग २ **Module 2**	**अ) रसविचार** ● रस म्हणजे काय ? ● स्थायिभाव व रस ● भरताचे रससूत्र **ब) काव्यानंदमीमांसा** ● काव्यानंदमीमांसा म्हणजे काय ? ● कवीचा आनंद १) क्रीडानंद २) निर्मितीचा आनंद ३) आत्माविष्कारानंद ● रसिकाचा आनंद १) ज्ञानानंद २) जिज्ञासापूर्ती ३) पुनःप्रत्ययाचा आनंद ● करुणरसानंद १) केवलानंदवाद २) विरेचन (कॅथार्सिस)	१५	१
घटक ३ **Module 3**	**साहित्याची भाषा** १) व्यवहारभाषा, शास्त्रभाषा व साहित्यभाषा : साम्यभेद २) साहित्याचे माध्यम भाषा ३) साहित्य भाषेचे सौंदर्य ४) साहित्य भाषेची विविधता	१५	१
घटक ४ **Module IV**	**छंद व वृत्ते** अ) छंद – १) ओवी २) अभंग ३) मुक्तच्छंद ब) वृत्ते – १) भुजंगप्रयात २) वसंततिलका ३) दिंडी (व्याख्या, स्वरूप व उदाहरणे अपेक्षित)	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	छंद व वृत्ते (चार पैकी दोन)	१० गुण

सूचना :

१. विभाग चार वर वस्तुनिष्ठ प्रश्न असणार नाहीत.

२. गटप्रकल्पासाठी अंतर्गत मूल्यमापनाकरिता प्रती विद्यार्थ्यास दहा गुण आहेत.

गटप्रकल्प विषय : साहित्यनिर्मितिप्रक्रिया संदर्भात कोणत्याही एका साहित्यिकाची मुलाखत घेणे.

मूलभूत वाचन :

१. जोग, रा. श्री. — *अभिनव काव्यप्रकाश,* व्हीनस प्रकाशन, पुणे, आवृत्ती ७ वी, जानेवारी, १९७५

२. गाडगीळ, स. रा. — *काव्यशास्त्रप्रदीप,* व्हीनस प्रकाशन, पुणे, आवृत्ती ४ थी, जानेवारी, १९९३

३. वाटवे, के. ना. — *रसविमर्श,* नवीन किताबखाना, पुणे, १९४२

४. वाळंबे, मो. रा. — *सुगम मराठी व्याकरण लेखन,* नितीन प्रकाशन, पुणे

५. नेमाडे, भालचंद्र — *साहित्याची भाषा,* साकेत प्रकाशन, औरंगाबाद, आ. दु. १९९८

पूरक वाचन :

१. जोशी, पं. महादेवशास्त्री — *सुलभ काव्याशास्त्र,* एस. जगन्नाथ आणि कं., पुणे

२. उपासे, शिवशंकर — *काव्यशास्त्र परिचय,* फडके प्रकाशन, कोल्हापूर, २०१३

३. जाधव, उदय — *काव्यशास्त्र : आकलन आणि आस्वाद,* लोकपाल पब्लिकेशन, औरंगाबाद, प्रथमावृत्ती, ५ सप्टेंबर २०१३

४. शिरवाडकर, के. रं. — *साहित्यवेध,* मेहता पब्लिशिंग हाऊस, पुणे, प्रथमावृत्ती, जानेवारी, १९९८

संदर्भ ग्रंथ :

१. कुरुंदकर, नरहर — *रससूत्र,* इंद्रायणी साहित्य, पुणे.

२. सोनार, ब. लु. — *भारतीय साहित्य विचार,* प्रज्ञा, अमळनेर, १९८८

३. मोरे, मोरेश्वर सखाराम — *मराठी व्याकरण,* चित्रशाळा, पुणे, १९७०

४. वासमकर, वि. दा. — *मराठीतील कलावादी समीक्षा,* अक्षरदीप प्रकाशन, कोल्हापूर, आ. प. २०१८

५. तुकदेव, रोहिणी — *ओवी छंद : रूप आणि आविष्कार,* प्रतिमा प्रकाशन, पुणे

६. हिरेमठ, राजशेखर — *मराठी व्याकरण परिचय,* मेहता पब्लिशिंग हाऊस, पुणे, १९८८

७. जाधव, मा. मा. — *अक्षरगाथा* (मराठी साहित्यविचार विशेषांक), मासिक, नांदडे, एप्रिल, २०१४

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Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-६ : Semister No. 6 : अभ्यासपत्रिका क्र. XIII

Discipline Specific Elective (DSE-E127)

विद्याशाखीय विशेष निवड (DSE-E127)

मराठी भाषा व भाषाविज्ञान

उद्दिष्टे :

१. मराठी भाषेची वर्णव्यवस्था समजून घेणे.

२. ध्वनी व अर्थपरिवर्तनाची कारणे व प्रकार यांची माहिती करून घेणे.

३. प्रमाणभाषेचे स्वरूप व विशेष अभ्यासणे.

४. बोलींचे स्वरूप व विशेष समजून घेणे.

५. मराठी भाषेबद्दलची विद्यार्थ्यांची आवड विकसित करणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	मराठीची वर्णमाला ● ध्वनी व वर्ण, मराठीची वर्णमाला, पारंपरिक स्वर व त्यांचे वर्गीकरण ● स्वरांचे ध्वनिशास्त्रदृष्ट्या व उच्चारण स्थानानुसार विश्लेषण ● स्वरांचे प्रकार हस्व, दीर्घ, सिद्ध, साधित, सजातीय, विजातीय ● मराठीची स्वर संख्या (पारंपरिक व नवीन) ● मराठीतील व्यंजन विचार ● व्यंजनांचे प्रकार १. स्पर्श व्यंजने २. कठोर व मृदू व्यंजने ३. अल्पप्राण व महाप्राण ४. अनुनासिके ५. तालव्य व्यंजने ६. अंतःस्थ व्यंजने ७. उष्म व्यंजने ८. संयुक्त व्यंजने ९. मूर्धन्य ● मराठीची व्यंजन संख्या (पारंपरिक व नवीन) ● मराठीची वर्ण संख्या निश्चितीकरण	१५	१

विभाग २ **Module II**	मराठीचे ध्वनिपरिवर्तन ● भाषेची उच्चारप्रक्रिया ● ध्वनिपरिवर्तन म्हणजे काय? ● व्याख्या आणि विशेष निरपवाद, नियमित, अज्ञेय, सार्वत्रिक ध्वनिपरिवर्तन ● कारणे जित – जेते संबंध, भिन्न भाषिक संबंध, आळस, अनुकरणाची अपूर्णता, वागेंद्रियातील दोष, श्रवणेंद्रियातील दोष, उच्चारशीघ्रता, अज्ञान, आघात, उच्चारसौकर्य, आहार, भौगोलिकता, वर्गसिद्धान्त, लोकभ्रम, सादृश्यता ● प्रकार अंत्यस्वनलोप, एकस्वनीकरण, आद्यस्वनागम, मध्यस्वनागम, अंत्यस्वनागम, सान्निध परिणाम, समानस्वनलोप, विसदृशीकरण, घोषीकरण, अघोषीकरण, मात्राभेद, सदृशता, अतिशुद्धी, दुष्प्रयोग, स्वनविपर्यय ● ध्वनिपरिवर्तनाचा मराठी भाषेवरील परिणाम	१५	१
विभाग ३ **Module III**	मराठीचे अर्थपरिवर्तन ● अर्थपरिवर्तन म्हणजे काय ? ● व्याख्या आणि स्वरूप अर्थ म्हणजे निर्देश, प्रतिमा, संकल्पना व विचार ● अर्थपरिवर्तनाची कारणे साम्यतत्त्व, रूपक – लक्षणाजन्य शब्द, बदलते समाजजीवन, अशुभतापरिहार, ग्राम्यतापरिहार, अतिशयोक्ती, शब्दसिद्धी, अतिपरिचयातून सभ्यता, अत्यादरदर्शन, सांस्कृतिक आदान ● अर्थपरिवर्तनाचे प्रकार – अर्थविस्तार, अर्थसंकोच, अर्थप्रशस्ती, अर्थच्युती, अर्थापकर्ष, अर्थान्तर, अर्थभ्रंश, अर्थादेश, अर्थभेद, अर्थसार ● अर्थपरिवर्तनाचा मराठी भाषेवरील परिणाम	१५	१
विभाग ४ **Module IV**	प्रमाण मराठी भाषा आणि तिच्या बोली ● प्रमाण मराठी : संकल्पना, स्वरूप, विशेष ● बोली : संकल्पना, स्वरूप, विशेष ● मराठीच्या बोली : अहिराणी, वऱ्हाडी, चंदगडी, मालवणी या निवडक बोलींचे स्वरूप व विशेष	१५	१

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना : १. विभाग एकवर वस्तुनिष्ठ प्रश्न असणार नाही.

२. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

गटप्रकल्प विषय :

१. आपल्या परिसरातील कौटुंबिक, सांस्कृतिक, कृषिविषयक, औद्योगिक क्षेत्रात जी बोलीभाषा बोलली जाते त्या बोलीभाषेतील शब्द, वाक्य, वाक्प्रचार, म्हणी, उखाणे यांचे संकलन आणि विश्लेषणासह गटप्रकल्प अपेक्षित.

२. आपल्या परिसरातील लोककथा, लोकगीते यांचे संकलन करून त्यातील भाषिक विशेषांच्या विश्लेषणावर आधारित गटप्रकल्प अपेक्षित.

मूलभूत वाचन :

१. कुलकर्णी, कृ. पां. — *मराठी भाषा : उद्‌गम आणि विकास,* मेहता पब्लिशिंग हाऊस, पुणे

२. कानडे, मु. श्री. (संपा.) — *मराठीचा भाषिक अभ्यास,* स्नेहवर्धन प्रकाशन, पुणे

३. गजेंद्रगडकर श्री. न. — *भाषा आणि भाषाशास्त्र,* व्हीनस प्रकाशन, पुणे

४. कुलकर्णी कृ. पां. — *शब्द : उद्‌गम आणि विकास*

५. जोगळेकर गं. ना. — *अभिनव भाषाविज्ञान,* सुविचार प्रकाशन, पुणे

६. जोशी, प्र. न. — *सुबोध भाषाशास्त्र,* स्नेहवर्धन प्रकाशन, पुणे

७. दामले, मो. के. — *शास्त्रीय मराठी व्याकरण,* दामोदर सावळाराम आणि मंडळी, पुणे

८. कालेलकर, ना. गो. — *ध्वनिविचार,* मौज प्रकाशन, मुंबई

९. पोतदार, अनुराधा — *मराठीचा अर्थविचार,* पुणे विद्यापीठ प्रकाशन, पुणे

१०. कालेलकर, ना. गो. — *भाषा आणि संस्कृती,* मौज प्रकाशनगृह, मुंबई

११. देवी, गणेश व जाखडे, अरुण (संपा.) — *भारतीय भाषेचे लोकसर्वेक्षण,* पद्मगंधा प्रकाशन, पुणे

पूरक वाचन :

१. हिरेमठ, राजशेखर — *मराठी व्याकरण परिचय,* मेहता पब्लिशिंग हाऊस, पुणे

२. गवळी, अनिल — *भाषाविज्ञान आणि मराठी भाषा,* हिरण्यकेशी प्रकाशन, कोल्हापूर

३. कुलकर्णी, सुलक्षणा व कुबेर, वसंत — *भाषाविज्ञान परिचय,* फडके प्रकाशन, कोल्हापूर

संदर्भ ग्रंथ :

१. पुंडे, द. दि. — *सुलभ भाषाविज्ञान,* स्नेहवर्धन प्रकाशन, पुणे

२. कदम, महेंद्र — *मराठीचे वर्णनात्मक भाषाविज्ञान,* स्नेहवर्धन प्रकाशन, पुणे

३. कालेलकर, ना. गो. — *भाषा, इतिहास आणि भूगोल,* मौज मुंबई

४. शेख, यास्मिन — *मराठी लेखन मार्गदर्शिका,* राज्य मराठी विकास संस्था, मुंबई

५. हिरेमठ, राजशेखर — *मराठी व्याकरण परिचय,* मेहता पब्लिशिंग हाऊस, पुणे

६. लामतुरे, प्रज्ञा — *ग्रामीण बोलीभाषेचे वैभव,* संस्कृती प्रकाशन, पुणे

७. जंबाले, विठ्ठल — *ग्रामीण कादंबरी : मराठवाडी बोलीचे स्वरूप,* चिन्मय प्रकाशन, औरंगाबाद

८. पाटील, व्ही. एन. — *सुलभ भाषाविज्ञान,* प्रशांत पब्लिकेशन्स, जळगाव, २०१६

९. भांड, बाबा व मगर, राजेंद्र — *भाषा आणि साहित्य : माझी भूमिका : सयाजीराव गायकवाड,* महाराजा सयाजीराव गायकवाड संशोधन व प्रशिक्षण संस्था, औरंगाबाद

१०. केळकर, तन्मय (अनु.) — *पंजाबच्या भाषा आणि लिपीची समस्या : शहीद भगतसिंग,* प्रका. भाषाविकास संशोधन संस्था, कोल्हापूर

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-६ : Semister No. 6 : अभ्यासपत्रिका क्र. XIV

Discipline Specific Elective (DSE-E128)

विद्याशाखीय विशेष निवड (DSE-E128)

मध्ययुगीन मराठी वाङ्मयाचा इतिहास (इ.स.१५०० ते इ.स.१८००)

उद्दिष्टे :

१. मध्ययुगीन मराठी वाङ्मयाचा कालिक अभ्यास करणे.

२. मध्ययुगीन मराठी वाङ्मयाचा स्थूल परिचय करून घेणे.

३. पंडित कवी व त्यांची रचना यांचा परिचय करून घेणे.

४. बखर वाङ्मय आणि शाहिरी वाङ्मय यांचे स्वरूप, विशेष अभ्यासणे.

५. मध्ययुगीन मराठी गद्य, पद्य रचनेचे विशेष अभ्यासणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	इ. स. १५०० ते इ.स. १६०० एकनाथांची साहित्य संपदा चतु:श्लोकी भागवत, एकनाथी भागवत, भावार्थ रामायण, गवळणी, भारुडे इत्यादी रचना	१५	१
विभाग २ Module II	इ. स. १६०० ते इ. स. १७०० (स्थूल कालखंड) अ) तुकारामांची अभंगरचना ब) रामदासांची ग्रंथरचना करुणाष्टके, रामायणे, मनाचे श्लोक, दासबोध, स्फुट प्रकरणे	१५	१
विभाग ३ Module III	इ. स. १६०० ते इ. स. १८०० (स्थूल कालखंड) निवडक पंडित कवींच्या काव्याचा अभ्यास १) मुक्तेश्वर २) वामन पंडित ३) रघुनाथ पंडित ४) श्रीधर ५) मोरोपंत	१५	१
विभाग ४ Module IV	इ. स. १५०० ते इ.स. १८०० (स्थूल कालखंड) अ) बखर वाङ्मय शिवपूर्वकालीन बखरी, शिवकालीन बखरी, पेशवेकालीन बखरी-स्वरूप, विशेष ब) शाहिरी वाङ्मय (लावणी व पोवाडा) १) अनंत फंदी २) परशराम ३) राम जोशी ४) प्रभाकर ५) होनाजी बाळा	१५	१

❊ प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी ❊

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना : १. गटप्रकल्पासाठी अंतर्गत मूल्यमापनाकरिता प्रती विद्यार्थ्यास दहा गुण आहेत.

गटप्रकल्प विषय :

❊ आपल्या परिसरातील कोणत्याही ग्रंथालयातील किंवा ग्रंथालयाबाहेरील मध्ययुगीन मराठी ग्रंथकार आणि ग्रंथ यांची सूची तयार करावी.

❊ मध्ययुगीन मराठी वाङ्मयातील निवडक शब्दांचा शब्दसंग्रह करणे आणि त्यांचे वर्गीकरण व विश्लेषण करणे.

मूलभूत वाचन :

१. नसिराबादकर, ल. रा. — *प्राचीन मराठी वाङ्मयाचा इतिहास,* फडके प्रकाशन, कोल्हापूर

२. देशपांडे, अ. ना. — *प्राचीन मराठी वाङ्मयाचा इतिहास खंड १ ते ४,* व्हीनस प्रकाशन, पुणे

३. पांगारकर, ल. रा. — *प्राचीन मराठी वाङ्मयाचा इतिहास खंड १ ते ३,*महाराष्ट्र साहित्य परिषद,पुणे

४. मंचरकर, र. बा. — *धर्म संप्रदाय आणि मध्ययुगीन मराठी वाङ्मय,* प्रतिमा प्रकाशन, पुणे

५. गवळी, अनिल — *सर्वात्मभावी तुकाराम,* सायन पब्लिकेशन प्रा. लि. पुणे

६. सपकाळे, प्रकाश — *संत तुकाराम,* प्रशांत पब्लिकेशन्स, जळगाव

७. वाटवे, के. ना. (संपा.) — *प्राचीन मराठी पंडिती काव्य.*

८. फाटक, न. र. — *श्री एकनाथ वाङ्मय दर्शन आणि कार्य,* मौज प्रकाशन गृह, मुंबई

९. सरदेशमुख, त्र्यं. वि. — *रामदास : प्रतिमा आणि बोध,* अस्मिता प्रकाशन, पुणे

१०. हेरवाडकर, र. वि. — *मराठी बखर,* व्हीनस प्रकाशन, पुणे

११. अदवंत, म. ना. — *पैंजण,* साहित्य प्रसार केंद्र, नागपूर

१२. सहस्त्रबुद्धे, म. ना. — *मराठी शाहिरी वाङ्मय,* ठोकळ प्रकाशन, पुणे

१३. खरात, महेश (संपा.) — *लोकसाहित्य : जीवन आणि संस्कृती,*(प्रा.विश्वनाथ शिंदे गौरवग्रंथ), सायन पब्लिकेशन, पुणे

पूरक वाचन :

१. तुळपुळे, शं. गो. (संपा.) — *मध्ययुगीन मराठी वाङ्मयाचा इतिहास,* म. सा. प., पुणे

२. तुळपुळे , शं. गो. (संपा.) — *मराठी वाङ्मयाचा इतिहास,* महाराष्ट्र साहित्य परिषद, पुणे

३. उपासे, शिवशंकर — *मराठी काव्यातील शिवदैवत दर्शन, आख्यानकाव्य व स्फुटकाव्य : १३ ते १८ वे शतक,* शैवभारती शोध प्रतिष्ठान, जंगमवाडी मठ, वाराणसी

४. पाटील, तानाजी — *संत साहित्यातील सामाजिकता,* विश्वकर्मा प्रकाशन, पुणे

५. हेरवाडकर, र. वि. — *मराठी बखर*

संदर्भ ग्रंथ :

१. बडवे, सतीश — *मध्ययुगीन साहित्याविषयी,* मीरा, औरंगाबाद

२. फाटक, न. र. — *श्री. रामदास, वाङ्मय आणि कार्य*

३. माटे, श्री. म. — *संत, पंत आणि तंत,* ठोकळ प्रकाशन, पुणे

४. होनमाने, धनंजय — *तंजावरची मराठी कीर्तनपरंपरा,* स्नेहवर्धन, पुणे

५. होनमाने, धनंजय — *पंत प्रतिनिधींची कीर्तनाख्याने,* दर्या प्रकाशन, पुणे

६. ग्रामोपाध्ये, गं. ब. — *मराठी बखर गद्य,* व्हीनस बुक स्टॉल, पुणे

७. शिंदे, विश्वनाथ — *शाहिरी वाङ्मयाच्या धारा,* प्रतिमा प्रकाशन, पुणे

७. केळकर, य. न. — *मराठी शाहीर आणि शाहिरी वाङ्मय,* पुणे विद्यापीठ, पुणे

९. मोरजे, गंगाधर — *मऱ्हाटी लावणी वाङ्मय,* मोघे प्रकाशन, कोल्हापूर

१०. वर्दे, श्री. म. — *मराठी कवितेचा उष:काल किंवा मराठी शाहीर,*मुंबई मराठी साहित्य संघ,मुंबई

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-६ : Semister No. 6 : अभ्यासपत्रिका क्र. XV

Discipline Specific Elective (DSE-E129)

विद्याशाखीय विशेष निवड (DSE-E129)

मराठी भाषा व अर्थार्जनाच्या संधी

पाठ्यपुस्तक : मराठी भाषा व अर्थार्जनाच्या संधी (संपादन)

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर

उद्दिष्टे :

१. प्रसारमाध्यमांतील अर्थार्जनाच्या संधी आणि भाषिक कौशल्ये यांचा परिचय करून घेणे.

२. स्पर्धा परीक्षांमध्ये मराठी भाषा विषयाचे महत्त्व समजून घेणे.

३. उद्योग व सेवा क्षेत्रात मराठी भाषेद्वारे अर्थार्जनप्राप्ती संदर्भात ज्ञान संपादन करणे.

४. मुद्रित शोधनाची पद्धत अभ्यासणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	प्रसारमाध्यमांतील अर्थार्जनाच्या संधी व भाषिक कौशल्ये ■ मुद्रित माध्यमे (Print Media) १. संपादन २. स्तंभलेखन ३. जाहिरात लेखन ४. शब्दांकन (नावीण्यपूर्ण उपक्रम, व्यक्तींचे अनुभव व मानपत्र) ■ आकाशवाणी १. निवेदन २. संहिता लेखन (कृषी, महिला व शैक्षणिक विषयक) ३. बातमी लेखन ■ चित्रवाणी १. निवेदन २. संहिता लेखन (साहित्य, युवा व मनोरंजन विषयक) ३. बातमी लेखन	१५	१

विभाग २ **Module II**	उद्योग व सेवाक्षेत्रातील अर्थार्जनाच्या संधी व भाषिक कौशल्ये ■ उद्योग व सेवाक्षेत्र आणि मराठी भाषा ■ उद्योग व सेवाक्षेत्रातील अर्थार्जन संधी – १. विपणन (Marketing) साठी संवाद कौशल्ये २. ग्राहक सेवा केंद्र (Call Centers) ३. अनुवाद ४. मराठी टंकलेखन, युनिकोड व पीपीटी (Power Point Presentation) परिचय	१५	१
विभाग ३ **Module III**	मुद्रितशोधन १. मुद्रितशोधन : संकल्पना, स्वरूप, प्रकार व महत्त्व २. महाराष्ट्र शासनाचे प्रमाणलेखनविषयक १८ नियम, अपवाद, उदाहरणे, विरामचिन्हे ३. मुद्रित शोधनाची पद्धत : सांकेतिक खुणा, त्याचे स्पष्टीकरण, पहिले वाचन व पुढील मुद्रितशोधन, संगणकीय मुद्रितशोधन ४. मुद्रितशोधनाचे प्रात्यक्षिक कार्य :वर्तमानपत्र, नियतकालिक, ग्रंथ, छापील मजकूर, लेख इ.	१५	१
विभाग ४ **Module IV**	स्पर्धा परीक्षांसाठी मराठी १. स्पर्धा परीक्षांचे स्वरूप : सरळसेवा, कम्बाईन, राज्यसेवा, संघ लोकसेवा आयोग २. स्पर्धा परीक्षांमधील मराठीचे स्वरूप : अभ्यासक्रम परिचय ३. स्पर्धा परीक्षेसाठी कौशल्ये : वाचन, नोट्स (टिपणे), लेखन, हस्ताक्षर, वेळेचे व्यवस्थापन, गटचर्चा,संदर्भ साहित्य ४. मुलाखतीची पूर्वतयारी व तंत्रे (मुलाखत कशी द्यावी)	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना : १. गटप्रकल्पासाठी अंतर्गत मूल्यमापनाकरिता प्रती विद्यार्थ्यास दहा गुण आहेत.

गटप्रकल्प विषय :

१. राष्ट्रीय, शैक्षणिक, सांस्कृतिक, सामाजिक, कृषी, आरोग्य, भाषा व साहित्य क्षेत्रातील ताज्या घडामोडी यापैकी एका विषयावर आकाशवाणी किंवा चित्रवाणीसाठी संहितालेखन.

२. उद्योग व सेवाक्षेत्रे आणि प्रसारमाध्यमे यांना भेटी देऊन तेथील भाषिक उपयोजनावर आधारित प्रकल्प तयार करणे.

मूलभूत वाचन :

१. काणे, पुष्पा — *नभोवाणी कार्यक्रम : तंत्र आणि मंत्र,* इंडिया बुक कंपनी, पुणे

२. भागवत, यशोदा — *बोलका कॅमेरा,* मौज प्रकाशन, पुणे

३. राजाध्यक्ष, विजया (संपा.) — *मराठी वाङ्मय कोश,* साहित्य आणि संस्कृती मंडळ, मुंबई

४. मोरे, सदानंद व लिंबाळे, शरणकुमार — *प्रबोधनपर वैचारिक वाङ्मय,* य. च. म. मु. विद्यापीठ, नाशिक

५. रेगे, मे. पुं. व इतर — *मराठी विचारवंत आणि आपण,* मौज प्रकाशन गृह, मुंबई

६. शेख, यास्मिन — *मराठी लेखन मार्गदर्शिका,* राज्य मराठी विकास संस्था, मुंबई

७. फडके, अरुण — *मराठी लेखन–कोश,* अंकुर प्रकाशन, ठाणे

८. धायगुडे, य. ए. — *मुद्रितशोधन,* दि पूना प्रेस ओनर्स असो. लि. पुणे

९. खोपकर, अरुण — *चित्रव्यूह,* लोकवाङ्मय गृह, प्रकाशन, मुंबई

१०. वरखेडे, रमेश — *सायबर संस्कृती,* इन्स्टिट्यूट ऑफ नॉलेज इंजिनिअरिंग, नाशिक

११. कांबळे, अमर — *स्पर्धा परीक्षेला सामोरे जाताना,* निर्मिती संवाद प्रकाशन, कोल्हापूर

१२. कांबळे, अमर — *मुलाखत कौशल्य,* निर्मिती संवाद प्रकाशन, कोल्हापूर

पूरक वाचन :

१. कुंभार, प्रकाश — *उपयोजित भाषाविज्ञान आणि प्रसारमाध्यमे,* अक्षरदालन, कोल्हापूर

२. जोशी, प्रभाकर — *उपयोजित मराठी,* प्रशांत पब्लिकेशन्स, जळगाव

३. तौर, पृथ्वीराज — *मराठी भाषिक कौशल्ये विकास,* अथर्व पब्लिकेशन्स, धुळे

४. फडके, अरुण — *शुद्धलेखन मार्गप्रदीप,* अंकुर प्रकाशन, ठाणे

५. दीक्षित, विजय — *चित्रपट : एक कला,* रेणुका प्रकाशन, नाशिक

६. इनामदार, एस. डी. — *माध्यम,* एस. डी. प्रकाशन, पुणे

संदर्भ ग्रंथ :

१. देशपांडे, वि. भा. व जोगळेकर, सुषमा (संपा.) — *मराठी कलाभिरुची,* कॉन्टिनेन्टल प्रकाशन, पुणे

२. पचिंद्रे, श्रीराम — *मुलाखत आणि शब्दांकन,* अनुबंध प्रकाशन, पुणे

३. ढोले, विश्राम — *प्रसारमाध्यमे आणि प्रयोगकला,* लोकवाङ्मय गृह, मुंबई

४. शिंदे, अरुण — *सत्यशोधकीय नियतकालिके,* कृष्णा संशोधन व विकास अकादमी,मंगळवेढा

५. जोशी, प्रभाकर व वले, वासुदेव — *उपयोजित मराठी,* प्रशांत पब्लिकेशन्स, जळगाव

६. रेगे, मे. पुं. (संपा.) — *नवभारत (मासिक),* व्यावहारिक मराठी विशेषांक, प्राज्ञ पाठशाळा मंडळ, वाई (ऑगस्ट–सप्टेंबर १९८१)

७. भालके, रामचंद्र व इतर — *प्रबोधनपर साहित्य : स्वरूप आणि संकल्पना,* य.च.म.मु. विद्यापीठ, नाशिक

८. चपळगावकर, नरेंद्र — *मराठीतील वैचारिक साहित्य : लेखक आणि समाज,* नवभारत, जून २०१६ वर्ष २९, अंक ९

९. चौसाळकर, अशोक — *विचारवंत आणि समाज,* युनिक ॲकॅडमी, पुणे

१०. गावडे, गोपाळ — *मामा वरेरकर : प्रयोगाची नांदी,* मनोकामना प्रकाशन, इस्लामपूर, २०१७

११. कांबळे, विनोद — *सर्जननोंदी,* वाचनकट्टा प्रकाशन, प्रा. लि., कोल्हापूर, २०१९

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

पसंतीवर आधारित श्रेयांक पद्धती

Choice Based Credit System

बी.ए. भाग-३ : B.A. Part-III

अभ्यासक्रम : Syllabus

June, 2020 onward

सत्र-६ : Semister No. 6 : अभ्यासपत्रिका क्र. XVI

Discipline Specific Elective (DSE-E-130)

विद्याशाखीय विशेष निवड (DSE-E-130)

वाङ्मय प्रकाराचे अध्ययन : ललित गद्य (व्यक्तिचित्रे)

पाठ्यपुस्तक : मुलखावेगळी माणसं (संपादन)

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर

उद्दिष्टे :

१. ललित गद्य वाङ्मयप्रकाराचे स्वरूप अभ्यासणे.

२. व्यक्तिचित्र संकल्पना व स्वरूप समजून घेणे.

३. प्रवाहानुरूप मराठीतील व्यक्तिचित्रांचे स्वरूप अभ्यासणे.

४. 'मुलखावेगळी माणसं'मधील व्यक्तिविशेषांचे आकलन करून घेणे.

५. 'मुलखावेगळी माणसं'मधील शैक्षणिक,सामाजिक,सांस्कृतिक,राजकीय पर्यावरण आणि कौटुंबिक भावविश्व अभ्यासणे.

६. 'मुलखावेगळी माणसं'मधील ग्रामीण व उपेक्षितांच्या जीवनाचे आकलन करून घेणे.

७. 'मुलखावेगळी माणसं'मधील अभिव्यक्ती, निवेदनशैली व भाषाविशेष अभ्यासणे.

अभ्यासक्रम

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	ललित गद्य : संकल्पना व स्वरूप व्यक्तिचित्रे : संकल्पना, स्वरूप/वैशिष्ट्ये आणि वाटचाल व्यक्तिचित्र लेखनासाठी आवश्यक गुण	१५	१
विभाग २ Module II	१. रामा मैलकुली – व्यंकटेश माडगूळकर २. मृत्यूचे चुंबन घेणारा महाकवी – प्र. के. अत्रे ३. निळू मांग – अण्णाभाऊ साठे ४. मोरणी – विभावरी शिरूरकर	१५	१
विभाग ३ Module III	५. जमीला जावद – हमीद दलवाई ६. यंकटअण्णा – व. वा. बोधे ७. दगडूमामा – उत्तम कांबळे ८. मुंबईचा चित्रकार – अरुण खोपकर	१५	१
विभाग ४ Module IV	९. हीरा – इंद्रजित भालेराव १०. बाबा मास्तर – दि. बा. पाटील ११. दादासाहेब वस्ताद – सयाजीराजे मोकाशी १२. डोकेवाला संशोधक : दादाजी रामजी खोब्रागडे – व्ही.एन.शिंदे	१५	१

* प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी *

Pattern of Question Paper

एकूण गुण – ४० : Total Marks-40

प्रश्न १	योग्य पर्याय निवडा	०५ गुण
प्रश्न २	अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पासह लघूत्तरी प्रश्न (तीन पैकी दोन)	१० गुण
प्रश्न ४	टिपा लिहा (चार पैकी दोन)	१० गुण

सूचना :

१. विभाग एक वर वस्तुनिष्ठ प्रश्न असणार नाहीत.

२. गटप्रकल्पासाठी अंतर्गत मूल्यमापनाकरिता प्रती विद्यार्थ्यास दहा गुण आहेत.

गटप्रकल्प विषय :

आपल्या परिसरातील शैक्षणिक, सामाजिक, सांस्कृतिक, कला, क्रीडा, आरोग्य, राजकीय इत्यादी समाजजीवनाच्या कोणत्याही क्षेत्रातील व्यक्तींची व्यक्तिचित्रे लिखित स्वरूपात प्रती प्रकल्पनुरूप ५ (किमान एका प्रकल्पकास एक नुसार) तयार करून ती एकत्रित जमा करावीत.

मूलभूत वाचन :

१. वास्कर, आनंद (संपा.) — *वाङ्मयप्रकार संकल्पना (डॉ.विजय निंबाळकर गौरवग्रंथ),* अन्वय प्रकाशन,पुणे

२. चौघुले, वि. शं. — *मुक्तगद्य : संकल्पना आणि उपयोजन,* मॅजेस्टिक प्रकाशन, मुंबई, २००८

३. शिंदे, रणधीर — *ललित गद्य ते मुक्तगद्य (लेख),* दै. महाराष्ट्र टाईम्स, २९–१२–२०१३

४. मालशे, मिलिंद — *साहित्य प्रकाराची संकल्पना (लेख),* साहित्य : अध्यापन आणि प्रकार, (संपा.) श्री. पु. भागवत, सुधीर रसाळ, मौज प्रकाशन, मुंबई, १९८७

५. हातकणंगलेकर, जहागीरदार, पवार, गो. मा. — *मराठी साहित्य : प्रेरणा आणि स्वरूप,* पॉप्युलर प्रकाशन, मुंबई, १९८६

६. पुरोहित, के. ज. — *लघुनिबंध,* साहित्य अकादमी, नवी दिल्ली

पूरक वाचन :

१. माडगूळकर, व्यंकटेश — *माणदेशी माणसं,* मेहता पब्लिशिंग हाऊस, पुणे, पुनर्मुद्रण, २०१८

२. अत्रे, प्र. के. — *मृत्यूचे चुंबन घेणारा महाकवी : साने गुरूजी,* पार्श्व पब्लिकेशन, कोल्हापूर,१९६२

३. साठे, अण्णाभाऊ — *बरबाद्या कंजारी,* श्रमिक प्रतिष्ठान, कोल्हापूर, लोकावृत्ती, २०१०

४. शिरूरकर, विभावरी — *दोघांचे विश्व आणि इतर काही कथा,* कॉन्टिनेन्टल प्रकाशन, पुणे, १९५७

५. दलवाई, हमीद — *जमीला जावद आणि इतर कथा,* साधना प्रकाशन, पुणे, २०१६

६. बोधे, व. वा. — *गावाकडची माणसं,* अक्षरबंध प्रकाशन, पुणे, २००७

७. कांबळे, उत्तम — *कावळे आणि माणसं,* मनोविकास प्रकाशन, पुणे, आ.दु., २०१०

८. खोपकर, अरुण — *चित्रव्यूह,* लोकवाङ्मय गृह, मुंबई

९. भालेराव, इंद्रजित — *गाई घरा आल्या,* प्रतिभास प्रकाशन, परभणी

१०. पाटील, दि. बा. — *भली माणसं,* मनोकामना प्रकाशन, इस्लामपूर, २०१३

११. मोकाशी, सयाजीराजे — *पंधरा ऑगस्ट,* मुक्तरंग प्रकाशन, लातूर, २०१६

१२. शिंदे, व्ही. एन. — *हिरव्या बोटांचे किमयागार,* तेजस प्रकाशन, कोल्हापूर, २०१९

संदर्भ ग्रंथ :

१. जोशी, प्र. न. — *मराठी वाङ्मयाचा विवेचक इतिहास,* अर्वाचीन काळ (१८०० ते १९८०), स्नेहवर्धन प्रकाशन, पुणे

२. भागवत, श्री. पु. — *साहित्य अध्यापन आणि प्रकार (प्रा. वा. ल. कुलकर्णी गौरवग्रंथ),* मौज प्रकाशन गृह, मुंबई

Estd. 1962
"A++" Accredited by NAAC (2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA

PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in

शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र

दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Ref. No./SU/BOS/Humanities/541 Date :19/07/2023

To,

The Principal,
All Concerenced Affiliated Colleges/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. A. Part II (sem. III & IV) degree programme under the Faculty of Humanities as per National Education Policy, 2020 (NEP)

Sir/Madam,

With reference to the subject mentioned above I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi, equivalence and nature of question paper of B. A. Part II (Sem. III & IV) under the Faculty of Humanities as per National Education Policy, 2020. (NEP)

English (Comp.)	English (Opt.)	Linguistics (I.D.S.)	Sanskrit	Kannada
Business Administration	Marathi	Ardhamagadhi	Hindi	Urdu
S.P. & Comm. Corresp.	Sociology	Political Science	Psychology	Economics
Industrial Psychology	Geography	Human Development	Philosophy	History
Defence Study (Entire)				

This syllabi shall be implemented from the academic year 2023-24 onwards . A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

For students of Distance Education this syllabi be implemented from the academic yerar 2023-24.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully

Encl : As above

(Dr. S. M. Kubal)
Dy. Registrar

Copy to, For Information and necessary action.

Dean, Faculty of Humanities.	Computer Center/I. T. Cell.
Chairman, B.O.S./Ad-hoc oard under faculty of Humanities.	Eligibility Section.
Director, Board of Examinations & Evaluation	P. G. Seminar Section.
Appointment Section A & B	Distance Education Section.
B. A. Exam. Section.	Affiliation Section (T. 1 & T 2)
P. G. Admission Section.	

SHIVAJI UNIVERSITY, KOLHAPUR

Accredited by NAAC 'A++' Grade

CHOICE BASED CREDIT SYSTEM WITH MULTIPLE ENTRY AND MULTIPLE EXIT OPTIONS IN THE UNDERGRADUATE DEGREE PROGRAMS

Subject - Marathi

B.A. Part II, Semester - III & IV

Syllabus

(Regulations in accordance with National Education Policy 2020 to be implemented from Academic Year 2023-24 onwards)

समकक्षता

	जुना अभ्यासक्रम		नवा अभ्यासक्रम	
सत्र क्र. Sem	**अभ्यासपत्रिका क्रमांक Paper No.**	**अभ्यासपत्रिकेचे नाव**	**अभ्यासपत्रिका क्रमांक Paper No.**	**अभ्यासपत्रिकेचे नाव**
III	III	DSC - C 1 काय डेंजर वारा सुटलाय (नाटक)	III	DSC - III **नाटक** देवबाभळी
III	IV	DSC - C 2 काव्यगंध	IV	DSC - IV **पद्य** पक्ष्यांचे लक्ष थवे
IV	V	DSC - C 25 माती, पंख, आकाश (आत्मचरित्र)	V	DSC - V **ललितगद्य** चांदण्यात भिजायचं राहून जाऊ नये, म्हणून!
IV	VI	DSC - C 26 जुगाड (कादंबरी)	VI	DSC - VI **कादंबरी** बनगरवाडी
Inter Disciplinary Studies IDS				
III	I	IDS I कर्मवीर भाऊराव पाटील चरित्र	I	IDS - I **ललितगद्य** एका रानवेड्याची शोधयात्रा
IV	II	IDS II आटपाट नगरीच्या कथा (कथासंग्रह)	II	IDS - II **पद्य** प्रवासी पक्षी

MARATHI

B.A.II PROGRAMS STRICTURE

SEM	COURSE NO.	COURSE TITLE	CRUDITIES	SEM. End Exam.marks	INTERNAL Assessment
III	DSC-III	**नाटक** देवबाभळी - प्राजक्त देशमुख	04	40	10
IV	DSC-IV	**पद्य** पक्ष्यांचे लक्ष थवे - ना. धों. महानोर	04	40	10
III	SEC-III	As Per SUK Letter *	02	25	-
IV	DSC-V	**ललितगद्य-** चांदण्यात भिजायचं राहून जाऊ नये, म्हणून! - आ. ह. साळुंखे	04	40	10
IV	DSC-VI	**कादंबरी** बनगरवाडी - व्यंकटेश माडगूळकर	04	40	10
IV	SEC-IV	As Per SUK Letter *	02	25	-

Inter Discipline Studies (IDS)

SEM	COURSE NO.	COURSE TITLE	CREDITIES	SEM. End Exam.marks	INTERNAL Assessment
III	IDS-I	**ललितगद्य** एका रानवेड्याची गोष्ट - कृष्णमेघ कुंटे	04	40	10
IV	IDS-II	**पद्य** प्रवासी पक्षी - कुसुमाग्रज	04	40	10

*Skill Enhancement Course- Students Have To Complete One SEC Each In Both Semesters Selecting From The Platforms Suggested In NEP Regulations of Shivaji University, Kolhapur. (Refer. Suk Bos Letter 12 Sept. 22)

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

Board of Studies in Marathi

CBCS with M.E. & M.E. in accordance with NEP 2020

बी. ए. भाग-२ / B.A. Part-II सत्र-३ / Semester III

अभ्यासक्रम / Syllabus

June, 2023 onward

Discipline Specific Core Course (DSC-III) Marathi Paper No. III

विद्याशाखीय विशेष गाभा (DSC-III)

अभ्यासपत्रिका क्रमांक ३ - नाटक

साहित्यकृती : देवबाभळी -प्राजक्त देशमुख

पॉप्युलर प्रकाशन, मुंबई

उद्दिष्ट्ये

1. नाटक या वाङ्मय प्रकाराचे स्वरूप विशेष माहित होईल.
2. मराठी नाटकाची परंपरा, प्रेरणा व प्रवृत्ती समजून घेणे.
3. मराठी संगीत नाटकांची परंपरा माहिती होईल.
4. आधुनिक वांङ्मयातील संतपरंपरेचा अन्वयार्थ ज्ञात होईल.
5. नाट्यसंहिता आणि प्रयोगरूप यांचा अनुबंध अभ्यासता येईल.
6. अभिवाचन कौशल्य विकसित होईल.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	▪ नाटक - वाङ्मय प्रकार : संकल्पना व स्वरूप ▪ देवबाभळी - आशयसूत्रे व कथानक	15	1
विभाग २ Module 2	▪ देवबाभळी - पात्रे, घटना, प्रसंग, संवाद व संघर्ष	15	1
विभाग ३ Module 3	▪ देवबाभळी - नाट्यविशेष व भाषिक विशेष	15	1
विभाग ४ Module 4	**उपयोजित मराठी - अभिवाचन** ▪ अभिवाचन - संकल्पना व स्वरूप ▪ अभिवाचनाचा उद्देश ▪ अभिवाचनाकरिता पूरक साधने ▪ अभिवाचनासाठी आवश्यक गुण ▪ कथा, कविता, नाटक, कादंबरीअंश इत्यादीचे प्रात्यक्षिकासह अभिवाचन	15	1

संदर्भ ग्रंथ

१. नाईक, राजीव : *नाटकातलं मिथक*, पद्मगंधा प्रकाशन, पुणे

२. साठे, मकरंद : *मराठी रंगभूमीच्या तीस रात्री, खंड १ ते ३*, पॉप्युलर प्रकाशन, मुंबई.

३. कुलकर्णी, द. भि. : *नाटक : स्वरूप व समीक्षा*, पद्मगंधा प्रकाशन, पुणे.

४. खोले, विलास : *नाटक आणि रंगभूमी : परिभाषा संग्रह*, महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुंबई.

५. डहाके, वसंत आबाजी : *मराठी नाटक आणि रंगभूमी: विसावे शतक*, पॉप्युलर प्रकाशन, मुंबई.

६. शिंदे, विश्वनाथ, स्मार्त, हिमांशु(संपा.) : *मराठी नाटक आणि रंगभूमी*, प्रतिमा प्रकाशन, पुणे.

७. भगत, दत्ता : *मराठी नाटक आणि रंगभूमीचा इतिहास*, महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुंबई.

८. लागू, श्रीराम : *वाचिक अभिनय*, राजहंस प्रकाशन, पुणे

९. मोरे, सदानंद : *तुकाराम दर्शन*, सकाळ पब्लिकेशन, पुणे.

१०. साळुंखे, आ. ह., : *विद्रोही तुकाराम*, लोकायत प्रकाशन, सातारा.

११. मोकाशी, दि .बा . : *आनंदओवरी*, मौज प्रकाशन, मुंबई.

१२. गवळी, अनिल : *सर्वात्मभावी तुकाराम*, सायन पब्लिकेशन, पुणे.

१३. भावे, पुष्पा : *रंग नाटकाचे*, राजहंस प्रकाशन, पुणे.

१४. जोशी, नीला (संपा.) : *व्यक्तिमत्त्व विकास आणि मराठी भाषिक कौशल्ये*, दर्या प्रकाशन, पुणे.

१५. पेठे, अतुल : *नाटकवाल्याचे प्रयोग*, मनोविकास प्रकाशन, पुणे.

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा.	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप

१. प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

२. अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **सेमिनार** घेण्यात येईल. विद्यार्थ्यांनी सेमिनारचा गोषवारा सादर करणे बंधनकारक आहे.

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

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बी. ए. भाग-२ / B.A. Part-II सत्र-३ / Semester III

अभ्यासक्रम / Syllabus

June, 2023 onward

Discipline Specific Core Course (DSC-IV) Marathi Paper No. IV

विद्याशाखीय विशेष गाभा (DSC-IV)

अभ्यासपत्रिका क्रमांक ४ - पद्य

साहित्यकृती : पक्ष्यांचे लक्ष थवे : ना. धों. महानोर

(संपा.) क्षीरसागर, उत्तम, पॉप्युलर प्रकाशन, मुंबई

उद्दिष्ट्ये

१. कविता या वाङ्मयप्रकाराचे स्वरूप लक्षात येईल.
२. मराठी काव्यपरंपरा व प्रवाहांचा परिचय होईल..
३. कवितेच्या रचनाबंधाचे आकलन होईल.
४. कवितेची भाषा, काव्यगुण व शैली तत्त्वांचे आकलन होईल.
५. कविता व गीत यामधील साम्यभेद समजतील.
६. गीतलेखन कौशल्य विकसित होईल.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	• **निसर्ग/रानविषयक कविता** १) ह्या शेताने लळा… २) ह्या नभाने ह्या भुईला दान… ३) मीच माझा एककल्ली ४) नांगरून पडलेली जमीन ५) नदीचा काठ ६) नदी काठावर ७) झाडे झाली हिरविशी ८) जरा अस्मान झुकले ९) पक्ष्यांचे लक्ष थवे १०) जन्मापासूनचे दु:ख ११) ह्या झाडांचे रंग १२) मन चिंब पावसाळी	15	1
विभाग २ Module 2	• **प्रेमभावनेच्या कविता** १) चवळीची शेंग २) फुलात न्हाली ३) विस्तीर्ण नदीचा काठ ४) पाण्यात लगडले पाय ५) पोर तोऱ्यात ऐन भरात ६) डोळे थकून…७) न्हात्या धुत्या पोरी ८) नुकत्या न्हालेल्या केसांना ९) नको पायात पैंजण १०) पक्ष्यांची भाषा ११) देखण्या डोळ्यांचे १२) माळ्याच्या मळ्यात	15	1

विभाग ३ Module 3	• **गीतात्म कविता** १) हिर्व्यां पानात..., २) झाडे झाली हिरवीशी, ३) दिवेलागणीची वेळ, ४) घन ओथंबून येती, ५) आज उदास उदास, ६) राजसा जवळी जरा बसा, ७) गोऱ्या देहावरती, ८) नभ उतरू आले, १०) दूरच्या रानात, ११) चिंब पावसानं रान, ११) मोडलेल्या माणसांचे, १२) पाणी पाणी पाणी	15	1
विभाग ४ Module 4	• **उपयोजित मराठी - गीतलेखन** ▪ गीतलेखन - संकल्पना व स्वरूप ▪ कविता व गीत यामधील साम्यभेद ▪ गीतलेखनाचे प्रकार १) बालगीत, २) भावगीत, ३) चित्रपटगीत, ४) जाहिरातीसाठी गीतलेखन, ५) शीर्षकगीत, ६) जिंगल्स इत्यादी. ▪ प्रात्यक्षिकासह गीतलेखन	15	1

संदर्भ ग्रंथ

१. देशमुख, श्रीकांत (संपा.) : *महानोरांची कविता*, निर्मल प्रकाशन, नांदेड.
२. डहाके, वसंत आबाजी : *कवितेविषयी*, स्वरूप प्रकाशन, औरंगाबाद.
३. मिरजकर, श्यामसुंदर (संपा.) : *कविता: रूपबंध आणि आशयद्रव्य*, नाग-नालंदा प्रकाशन, इस्लामपूर.
४. रसाळ, सुधीर : *काही मराठी कविता : जाणीव आणि शैली*, जनशक्ती प्रकाशन, औरंगाबाद.
५. शिनखेडे, सुनील : *हिरव्या बोलीचा बहर*, सुविद्या प्रकाशन, सोलापूर.
६. महानोर, ना. धों. : *कवितेतून गाण्याकडे*, पॉप्युलर प्रकाशन, मुंबई.
७. डहाके, वसंत आबाजी : *काव्यप्रतिती*, विजय प्रकाशन, नागपूर.
८. पाटणकर, वसंत : *कविता : संकल्पना, निर्मिती आणि समीक्षा*, आर्ष प्रकाशन, पुणे.
९. रसाळ, सुधीर : कविता आणि प्रतिमा, मौज प्रकाशन, मुंबई.
१०. दावतार, वसंत (संपा.) : *गीतकाव्य*, आलोचना प्रकाशन, मुंबई.
११. कुलकर्णी, श्री. रं. : *ओवी ते लावणी*, का. स. वाणी प्रगत अध्ययन संस्था, धुळे.
१२. पाटील, म. सु. : *कवितेचा रूपशोध*, शब्दालय प्रकाशन, श्रीरामपूर.
१३. इनामदार, कल्याण : *गीतरचना* : स्वरूप आणि विकास, पद्मगंधा प्रकाशन, पुणे.
१४. नाईकवाडे, राजेंद्र : *महानोरांची कविता*, आस्वादन आणि मूल्यांकन, पद्मगंधा प्रकाशन, पुणे.
१५. पाटील, चंद्रकांत : *आणि तोपर्यंत*, स्वरूप प्रकाशन, औरंगाबाद.
१६. मोकाशी, सयाजीराजे : *आधुनिक मराठी गेय कविता*, शब्दालय प्रकाशन, श्रीरामपूर.

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा.	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप

१. प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

२. अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **सेमिनार** घेण्यात येईल. विद्यार्थ्यांनी सेमिनारचा गोषवारा सादर करणे बंधनकारक आहे.

शिवाजी विद्यापीठ, कोल्हापूर

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मराठी अभ्यास मंडळ

Board of Studies in Marathi

CBCS with M.E. & M.E. in accordance with NEP 2020

बी. ए. भाग-२ / B.A. Part-II सत्र-४ / Semester IV

अभ्यासक्रम / Syllabus

June, 2023 onward

Discipline Specific Core Course (DSC-V) Marathi Paper No. V

विद्याशाखीय विशेष गाभा (DSC-V)

अभ्यासपत्रिका क्रमांक ५ - ललितगद्य

साहित्यकृती : चादंण्यात भिजायचं राहून जाऊ नये, म्हणून !

-आ. ह. साळुंखे

लोकायत प्रकाशन, सातारा

उद्दिष्ट्ये

१. ललितगद्य या वाङ्मयप्रकाराचे स्वरूप लक्षात येईल.
२. ललितगद्य आणि इतर वाङ्मयप्रकार यामधील फरक सांगता येईल.
३. मराठी ललितगद्याच्या परंपरेचे आकलन होईल.
४. ललितगद्यामधील अभिव्यक्ती रूपे व भाषाशैली यांचे विशेष सांगता येईल.
५. आ. ह. साळुंखे यांच्या लेखन प्रेरणा, विचारविश्व, जीवननिष्ठा व लेखनशैली समजून घेता येईल.
६. ललितगद्य लेखनाचे कौशल्य विकसित होईल.

विभाग Module	**घटक** Topic	**अध्यापन तासिका** Teaching Hours	**श्रेयांक** Credit
विभाग १ Module 1	• ललितगद्य : संकल्पना व स्वरूप • चांदण्यात भिजायचं राहून जाऊ नये, म्हणून! लेख क्र. १ ते ११ (आशयसूत्रे व वाङ्मयीन विशेष)	15	1
विभाग २ Module 2	चांदण्यात भिजायचं राहून जाऊ नये म्हणून ! लेख क्र. ११ ते २० (आशयसूत्रे व वाङ्मयीन विशेष)	15	1
विभाग ३ Module 3	चांदण्यात भिजायचं राहून जाऊ नये, म्हणून! लेख क्र. २१ ते २९ (आशयसूत्रे व वाङ्मयीन विशेष)	15	1
विभाग ४ Module 4	**उपयोजित मराठी - ललितगद्य लेखन कौशल्य** • ललितगद्य : संकल्पना व स्वरूप • ललितगद्याचे विशेष • ललितगद्याचे प्रकार	15	1

	१. आत्मपर, २. व्यक्तिचित्रण, ३. चिंतनशील, ४. प्रवासवर्णनपर इत्यादी • ललितगद्याच्या वरील प्रकारांचे विश्लेषण व प्रात्यक्षिकांसह लेखन		

संदर्भ ग्रंथ

१.भागवत, श्री. पु. व इतर (संपा.) :*साहित्य : अध्यापन व प्रकार* (वा.ल.कुलकर्णी गौरवग्रंथ, पॉप्युलर व मौज प्रकाशन, मुंबई

२.चौघुले, वि. शं. : *ललितगद्य ते मुक्तगद्य*, मॅजेस्टिक प्रकाशन, मुंबई.

३.वास्कर, आनंद (संपा.) : वाङ्मयप्रकारः संकल्पना व स्वरूप, अन्वय प्रकाशन, पुणे.

४.पवार, गो.मा, हातकणंगलेकर म. द. (संपा.): *मराठी साहित्य : प्रेरणा व स्वरूप*, पॉप्युलर प्रकाशन, मुंबई,

५.यादव, आनंद : *मराठी लघुनिबंधाचा इतिहास*, मेहता पब्लिशिंग हाऊस, पुणे.

६.घुले, इंद्रजित व साळुंखे, अमृत(संपा.) : *आ.ह.(आ.ह. साळुंखे विचारग्रंथ)*, शब्दशिवार प्रकाशन, मंगळवेढा.

७.साळुंखे, आ. ह. : *शब्दांच्या बाबतीत जे खटकले ते मांडले*, लोकायत प्रकाशन, सातारा.

८.साळुंखे, आ. ह. : *बळीराजा ते रवीन्द्रनाथ*, लोकायत प्रकाशन, सातारा.

९.साळुंखे, आ. ह. : *त्यांना सावलीत वाढवू नका*, लोकायत प्रकाशन, सातारा.

१०. साळुंखे, आ. ह. : *बळीराजा ते रवीन्द्रनाथ*, लोकायत प्रकाशन, सातारा.

११.आठवले, इंदिरा : *डॉ. आ. ह. साळुंखे यांचे साहित्य*, एक्सप्रेस पब्लिकेशन हाऊस, कोल्हापूर

१२.गायकवाड, प्रशांत : *सत्य असत्याशी मन केले ग्वाही*, लोकायत प्रकाशन, सातारा.

१३. गायकवाड, प्रशांत (संपा.) : विचारप्रवर्तक मुलाखती, लोकायत प्रकाशन, सातारा.

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा.	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप

१. प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

२. अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **वृत्तांत लेखन/ अहवाल लेखन** असेल. (विद्यार्थ्यांनी शैक्षणिक सहल / अभ्यास सहल / क्षेत्रभेट / साहित्यविषयक उपक्रमास भेट / महाविद्यालयातील विशेष उपक्रम इत्यादीवर वृत्तांत / अहवाल लिखित स्वरूपात सादर करणे आवश्यक आहे.)

शिवाजी विद्यापीठ, कोल्हापूर

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अभ्यासक्रम / Syllabus

June, 2023 onward

Discipline Specific Core Course (DSC-VI) Marathi Paper No. VI

विद्याशाखीय विशेष गाभा (DSC-VI)

अभ्यासपत्रिका क्रमांक ६ - **कादंबरी**

साहित्यकृती : बनगरवाडी - व्यंकटेश माडगूळकर

मौज प्रकाशन गृह, मुंबई

उद्दिष्ट्ये

१. कादंबरी वाङ्मयप्रकाराचे आकलन होईल.

२. मराठी कादंबरीचे स्वरूप, परंपरा, प्रवृत्ती, प्रवाह यांचा परिचय होईल.

३. समाज आणि साहित्य यांचे परस्परसंबंध लक्षात येईल.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	• कादंबरी वाङ्मय प्रकार - संकल्पना व स्वरूप • बनगरवाडी : आशयसूत्रे	15	1
विभाग २ Module 2	बनगरवाडी : व्यक्तिरेखा, वातावरण, घटना प्रसंग	15	1
विभाग ३ Module 3	बनगरवाडी : वाङ्मयीन विशेष	15	1
विभाग ४ Module 4	**उपयोजित मराठी : रिपोर्ताज लेखन** • रिपोर्ताज लेखनाची संकल्पना व परंपरा • रिपोर्ताज लेखनाचे स्वरूप • रिपोर्ताज लेखनाचे प्रकार - १. राजकीय, २. सामाजिक,३. पर्यावरणीय, ४. आरोग्यविषयक, ५. शिक्षणविषयक, ६ सांस्कृतिक इत्यादी. • प्रात्यक्षिकासह रिपोर्ताज लेखन	15	1

संदर्भ ग्रंथ

१. हातकणंगलेकर, म. द. : *व्यंकटेश माडगूळकर व्यक्ती आणि माणूस*, शब्द प्रकाशन, सातारा.

२. पाध्ये, दिगंबर : *आस्वादयात्रा* (संपा.विजया राजाध्यक्ष),पॉप्युलर प्रकाशन, मुंबई.

३. पवार, गो. मा. : *व्यंकटेश माडगूळकर : साहित्य आणि व्यक्तित्व*, हर्मिस प्रकाशन,पुणे

४.नाईक, ज्ञानदा (संपा.) : *व्यंकटेश माडगूळकर : लेखक आणि माणूस*, अनुबंध प्रकाशन, पुणे.

५.इंगोले, कृष्णा : *माणदेश : स्वरूप आणि विकास*, शब्दशिवार प्रकाशन, मंगळवेढा.

६.इंगोले, कृष्णा : *माणदेशी साहित्य*, शब्दशिवार प्रकाशन, मंगळवेढा.

७.मोकाशी, सयाजी : *माणदेशातील माणिकमोती*, नाग-नालंदा प्रकाशन, इस्लामपूर.

८. विंगकर, आनंद : *माणदेश : दरसाल दुष्काळ*, लोकवाङ्मय गृह, मुंबई.

९. माडगूळकर, व्यंकटेश : *प्रवास एका लेखकाचा*, मेहता पब्लिशिंग हाऊस, पुणे

१०. थोरात, हरिश्चंद्र : *कादंबरी - एक साहित्यप्रकार*, शब्द पब्लिकेशन्स, मुंबई

११. खोले, विलास (संपा.) : गेल्या अर्धशतकातील मराठी कादंबरी, लोकवाङ्मय गृह, मुंबई

१२.थोरात, हरिश्चंद्र : *कादंबरीविषयी*, पद्मगंधा प्रकाशन, पुणे

१३. कुलकर्णी, सुहास : *शोधा, खोदा व लिहा*, समकालीन प्रकाशन, पुणे

१४. पाटील, एकनाथ, : *कादंबरीच्या निर्मितीचा सूत्रशोध*, द.म.सा. सभा, कोल्हापूर.

१५. शिंदे, रणधीर : *मु. पो. बनगरवाडी*, चौफेर, दिवाळी अंक, २०२२.

१६. मोरे, नंदकुमार : *बनगरवाडी ते काटेमुंढरी, शोध काटेमुंढरीचा*, स्वच्छंद प्रकाशन, कोल्हापूर.

१७. शिंदे, रणधीर : जीवनजाणिवेचा पैस विस्तारविणारी : बनगरवाडी, प्रतिभा दिवाळी अंक,२०२०

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप-

प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

प्रश्न क्र २ अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **रिपोर्ताज लेखन** असेल.

(आर्थिक, सामाजिक, शैक्षणिक, राजकीय, पर्यावरणीय, आरोग्यविषयक, अशा विषयांवर रिपोर्ताज लेखन लेखी स्वरूपात सादर करणे आवश्यक आहे.)

शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

मराठी अभ्यास मंडळ

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बी. ए. भाग-२ / B.A. Part-II सत्र- ३ / Semester III

अभ्यासक्रम / Syllabus

June, 2023 onward

Inter Disciplinary Studies (IDS - I) Marathi Paper I

अभ्यासपत्रिका - ललितगद्य

साहित्यकृती : एका रानवेड्याची शोधयात्रा

- कृष्णमेघ कुंटे

राजहंस प्रकाशन, पुणे

उद्दिष्ट्ये

१. ललितगद्य या वाङ्मयप्रकाराचे स्वरूप आकलन होईल.
२. मराठी ललित गद्याची परंपरा लक्षात येईल.
३. साहित्याभ्यासातून पर्यावरणीय जाणिवा होतील.
४. जंगलवाचन, डोळस निरीक्षण दृष्टी , निसर्ग संवेदन विकसित होईल.
५. अनुभवकथन/ लेखनकौशल्य विकसित होईल.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	• ललितगद्य - वाङ्मय प्रकार : संकल्पना व स्वरूप • एका रानवेड्याची शोधयात्रा - आशयसूत्रे	15	1
विभाग २ Module 2	एका रानवेड्याची शोधयात्रा - व्यक्तिरेखा, घटना, प्रसंग, पर्यावरणीय जाणिवा, प्राणीजगत, निसर्गचित्रण इत्यादी.	15	1
विभाग ३ Module 3	एका रानवेड्याची शोधयात्रा - कथनशैली व भाषिक विशेष	15	1
विभाग ४ Module 4	**उपयोजित मराठी - निसर्गविषयक लेखन** • निसर्गविषयक साहित्याची संकल्पना • निसर्ग व माणूस सहसंबंध • मराठीतील निसर्गसाहित्याचा परिचय • निसर्गवाचनाची दृष्टी • निसर्गविषयक लेखनाचे स्वरूप • अनुभवावर आधारित निसर्गविषयक लेखन	15	1

संदर्भ ग्रंथ

१. जाधव, रा. ग. : *साहित्याचे परिस्थिती विज्ञान*, देशमुख आणि कंपनी, मुंबई.

२. जाधव, रा. ग. : *पर्यावरणीय प्रबोधन आणि साहित्य*, स्नेहवर्धन प्रकाशन, पुणे.

३. चितमपल्ली, मारुती : *निसर्गवाचन, साहित्यप्रसार केंद्र*, नागपूर.

४. चितमपल्ली, मारुती : *चकवाचांदण, मौज प्रकाशन गृह*, मुंबई.

५. डहाके, वसंत आबाजी : *मराठी समीक्षेची सद्यस्थिती*, पॉप्युलर प्रकाशन, मुंबई.

६. देऊळकर, अतुल : *बखर पर्यावरणाची*, मौज प्रकाशन गृह, मुंबई.

७. घोरपडे, अभिजीत (संपा.) : *भोवताल* (नियतकालिकाचे अंक).

८. पुजारी, सुहास : *मराठी कादंबरी : सृष्टी आणि दृष्टी*, सुविद्या प्रकाशन, सोलापूर.

९. यादव, आनंद : *ललित लेखनाचे तात्त्विक स्वरूप*, मेहता पब्लिशिंग हाऊस, पुणे.

१०. यादव, आनंद : *मराठी लघुनिबंधाचा इतिहास*, मेहता पब्लिशिंग हाऊस, पुणे

११. भागवत, श्री. पु. व इतर (संपा.) : *साहित्य : अध्यापन आणि प्रकार* (वा. ल. कुलकर्णी गौरव ग्रंथ), पॉप्युलर प्रकाशन व मौज प्रकाशन मुंबई.)

१२. चौगुले, वि. शं. : *ललितगद्य ते मुक्तगद्य*, मॅजेस्टिक प्रकाशन, मुंबई.

१३. वास्कर, आनंद (संपा.) : *वाङ्मय प्रकार : संकल्पना व स्वरूप*, अन्वय प्रकाशन, पुणे.

१४. पवार, गो. मा., हातकणंगलेकर म. द. (संपा.) : *मराठी साहित्य : प्रेरणा व स्वरूप*, पॉप्युलर प्रकाशन, मुंबई.

१५. देशपांडे, अ. पां. : *विज्ञानयात्री डॉ. माधव गाडगीळ*, राजहंस प्रकाशन, पुणे.

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप -

प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

२. अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **सेमिनार** घेण्यात येईल. विद्यार्थ्यांनी सेमिनारचा गोषवारा सादर करणे बंधनकार आहे.

शिवाजी विद्यापीठ, कोल्हापूर

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बी. ए. भाग-२ / B.A. Part-II सत्र- ४ / Semester IV

अभ्यासक्रम / Syllabus

June, 2023 onward

Inter Disciplinary Studies (IDS - II) Marathi Paper No. 2

अभ्यासपत्रिका - पद्य

साहित्यकृती : प्रवासी पक्षी - कुसुमाग्रज

पॉप्युलर प्रकाशन, मुंबई

उद्दिष्ट्ये

१. कविता या वाङ्मयप्रकाराचे स्वरूप लक्षात येईल.
२. मराठी काव्यपरंपरा व प्रवाहांचा परिचय होईल.
३. कवितेच्या रचनाबंधाचे आकलन होईल..
४. कवितेची भाषा, काव्यगुण व शैली तत्त्वांचे आकलन होईल.
५. काव्यलेखनाचे व काव्यवाचनाचे कौशल्य अवगत होईल.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	• कविता वाङ्मय प्रकार : संकल्पना व स्वरूप • **सामाजिक आशयाच्या कविता** १. कणा २. गाभारा ३. अखेर कमाई ४. प्रार्थना ५. जोतिराव ६. पर्वणी ७. संत ८. आश्चर्य ९. याच मातीतून १०. तो पुतळा	15	1
विभाग २ Module 2	• **प्रेमविषयक कविता** १. हे गगना २. प्रेमयोग ३. प्रेम म्हणजे ४. यौवन ५. अजुनही ६. तळघर ७. शलाका	15	1
विभाग ३ Module 3	• **चिंतनशील कविता** १. प्रवासी पक्षी २. आधार ३.नट ४.संशोधक ५. संस्कृती ६. चमचे ७. राणी ८. मौज ९. सूर्य १०. डोह	15	1
विभाग ४ Module 4	• **उपयोजित मराठी : काव्यलेखन व काव्यवाचन** ○ काव्यनिर्मितीचे स्वरूप व लेखनप्रक्रिया ○ कवितेचा रूपबंध व भाषा	15	1

	○ अनुभव, विचार, भावना, संवेदना कल्पना आधारित काव्यलेखन ○ कविता वाचनाचे स्वरूप व कौशल्य ○ प्रात्यक्षिकांसह काव्यलेखन व काव्यवाचन		

संदर्भ ग्रंथ

१. डहाके, वसंत आबाजी : *काव्यप्रतिती*, विजय प्रकाशन, नागपूर

२. रसाळ, सुधीर : *काही मराठी कवी : जाणीवा आणि शैली*, जनशक्ती प्रकाशन, औरंगाबाद

३. पुंडे, द. दि. : *कुसुमाग्रजांच्या प्रतिभेचा उगम आणि विकास*, प्रतिमा प्रकाशन, पुणे.

४. पुंडे, द. दि. : *कुसुमाग्रज: एक शोध*, प्रतिमा प्रकाशन, पुणे

५. कुलकर्णी, गो. म. : *रसयात्रा, कुसुमाग्रजांची निवडक कविता*, कॉन्टिनेन्टल प्रकाशन, पुणे

६. वरखेडे, रमेश (संपा.) : *कुसुमाग्रज वाङ्मय विमर्श*, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक

७. डहाके, वसंत आबाजी : *कवितेविषयी*, स्वरूप प्रकाशन, औरंगाबाद

८. मिरजकर, श्यामसुंदर (संपा.) : *कविता : रूपबंध आणि आशयद्रव्य*, नाग-नालंदा प्रकाशन, इस्लामपूर

९. कुलकर्णी, अनिरुद्ध (संपा.): *प्रदक्षिणा खंड १ व २*, कॉन्टिनेन्टल प्रकाशन, पुणे.

१०. गवस राजन, शिंदे अरुण, पाटील गोमटेशः *भाषिक सर्जन व उपयोजन*, दर्या प्रकाशन, पुणे.

प्रश्नपत्रिकेचे स्वरूप व गुणविभागणी

Pattern of Question Paper

एकूण गुण ४० Total Marks - 40

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न १	बहुपर्यायी वस्तुनिष्ठ प्रश्न योग्य पर्याय निवडा.	८
प्रश्न २	विभाग १ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ३	विभाग २ वरील अंतर्गत विकल्पासह दीर्घोत्तरी प्रश्न (दोन पैकी एक)	८
प्रश्न ४	विभाग ३ वरील थोडक्यात उत्तरे लिहा. (तीन पैकी दोन)	८
प्रश्न ५	विभाग ४ वरील लघुत्तरी प्रश्न / टीपा (चार पैकी दोन)	८

टीप

१. प्रश्न क्र. १ मधील वस्तुनिष्ठ प्रश्न विभाग १, २ व ३ वर विचारले जातील.

२. अंतर्गत मूल्यमापनाच्या १० गुणांसाठी **काव्यलेखन** आणि **काव्यवाचन** अपेक्षित असेल.
(विद्यार्थ्यांनी अनुभव, घटना, प्रसंग, चित्र, शिल्प इत्यादी विषयावर स्वरचित/इतरांची कविता सादर करणे आवश्यक आहे.)

SHIVAJI UNIVERSITY, KOLHAPUR

Revised Syllabus for

Bachelor of Arts (Part- III)

SEMESTER V & VI

HISTORY

(Syllabus to be implemented from June 2020 onwards)

EQUIVALANCE OF B.A. III HISTORY SEMESTER- V

Semester	Paper No	Title of Old Paper (June 2015)	Semester	Course No	Title of New Course (June 2020)
V	Paper No. VII	History of Ancient India (From Prehistory to 3rd c. BC)	V	Course No. VII	Early India (from beginning to 4th c. BC)
V	Paper No. VIII	Political History of Medieval India (1206 to 1707 A.D.)	V	Course No. VIII	History of Medieval India (1206-1526 AD)
V	Paper No. IX	India Since Independence –I	V	Course No. IX	Age of Revolutions
V	Paper No. X	History of the Marathas (1707-1818)	V	Course No. X	Political History of the Marathas
V	Paper No. XI	Introduction to Historiography	V	Course No. XI	History: Its Theory

EQUIVALANCE OF B.A. III HISTORY SEMESTER VI

Semester	Course No	Title of Old Paper	Semester	Course No	Title of New Course
VI	Paper No. XII	History of Ancient India (From 3 c. BC to 7th c. AD)	VI	Course No. XII	Ancient India (From 4th c. BC to 7th c. AD)
VI	Paper No. XIII	Socio-Economic and Cultural History of Medieval India (1206 to 1707 A.D.)	VI	Course No. XIII	History of Medieval India (1526-1707 AD)
VI	Paper No. XIV	India Since independence- II	VI	Course No. XIV	Making of the Modern World (16th to 19th Century)
VI	Paper No. XV	Modern Maharashtra (1960 to 2000)	VI	Course No. XV	Polity, Economy and Society under the Marathas
VI	Paper No. XVI	Applications of History	VI	Course No. XVI	Methods and Applications of History

STRUCTURE OF PROGRAMME
REVISED SYLLABUS B.A. PART III (HISTORY)

Sr.No	Semester	Title of Course	Course No.	Credit	Workload	Total Credits	Theory Marks	Term Work/ Seminar
1	V	Early India (from beginning to 4th c. BC)	Course No. VII	04	4 lectures/ Week	20 Credits	40	10
2	V	History of Medieval India (1206-1526 AD)	Course No. VIII	04	4 lectures/ Week		40	10
3	V	Age of Revolutions	Course No. IX	04	4 lectures/ Week		40	10
4	V	Political History of the Marathas	Course No. X	04	4 lectures/ Week		40	10
5	V	History: Its Theory	Course No. XI	04	4 lectures/ Week		40	10
Sr.No	**Semester**	**Title of Course**	**Course No.**	**Credit**	**Workload**	**Total Credits**	**Theory Marks**	**Term Work/ Group Project**
6	VI	Ancient India (From 4th c. BC to 7th c. AD)	Course No. XII	04	4 lectures/ Week	20 Credits	40	10
7	VI	History of Medieval India (1526-1707 AD)	Course No.XIII	04	4 lectures/ Week		40	10
8	VI	Making of the Modern World (16th to 19th Century)	Course No. XIV	04	4 lectures/ Week		40	10
9	VI	Polity, Economy and Society under the Marathas	Course No. XV	04	4 lectures/ Week		40	10
10	VI	Methods and Applications of History	Course No. XVI	04	4 lectures/ Week		40	10

B.A. Part -III, (History)
Semester –V, Course VII DSE E-61
Paper VII : Early India (from beginning to 4th c. BC)

Course Objectives: This course explores the major historical developments in India from the beginning to the 4rd Century B.C. It traces the history of the Indian subcontinent from the Paleolithic period to the establishment of the Mauryan state. The student will be introduced to the political, social, economic and religious developments in India during this formative period. This course will help the students to understand how India came to be. They will know the facts about the early period of Indian history up to the 4thcentury B.C. They will get an introduction to the beginnings of India's political, socio-economic and cultural dynamics and understand the legacy of Ancient India.

Course Outcomes:

After studying the course the student will be able to …

1) Understand the transition of humans in India from Hunters to Farmers
2) Explain the transition from Early to Later Vedic period.
3) Clarify the causes for the first and second urbanizations
4) Give an account of the teachings of Gautama Buddha and Vardhamana Mahavira
5) Describe the rise and growth of the Mauryan Empire
6) Explain the salient features of Ashoka's Dhamma

Module I:The Beginning

a) The Hunter-Gatherers: Paleolithic and Mesolithic
b)The Early Farmers: Neolithic and Chalcolithic
c) The First Urbanization: Harappan Civilization
d)The Megalithic Nomads: Burial types, nature of remains

Module II: The Vedic Age and Epics

a) Vedic literature
b) Transition from Early to Later Vedic period: Polity and Economy
c)Transition from Early to Later Vedic period: Society and Religion
d) The Epics: Ramayana and Mahabharata

Module III: The Second Urbanization

a) Nature of second urbanization
b) Emergence of Regional States (16 Maha-janapadas)
c) Gautama Buddha- His teachings
d) Vardhamana Mahavira- His teachings

Module IV: The Mauryan Empire

a) Sources: Arthashastra and Indica
b) Chandragupta Maurya and Ashoka
c)Mauryan administration
d) Ashoka's Dhamma

Select Reference Books:

- Allchin, B. G.; Allchin, B.; Allchin, R.; Yoffee, N.; Alcock, S.; Dillehay, T. et al. (1982): The Rise of Civilization in India and Pakistan: Cambridge University Press (Cambridge World Archaeology).
- Habib, I.; Thakur, V. (2016): The Vedic Age: Tulika Books (A People's History of India Series).
- Jha, D. N. (1977): Ancient India: an introductory outline: People's Pub. House.
- Kosambi, D. D. (1975): An Introduction to the Study of Indian History: Popular Prakashan.
- Majumdar, R. C.; Bharatiya Vidya Bhavan; Bharatiya Itihasa Samiti (1951): The History and Culture of the Indian People: The Vedic age: G. Allen 8 Unwin (The History and Culture of the Indian People).
- Sharma, R. S. (1991): Aspects of Political Ideas and Institutions in Ancient India: Motilal Banarsidass.
- Sharma, R. S. (2006): India's Ancient Past: OUP India.
- Sharma, R. S. (2007): Material Culture and Social Formations in Ancient India: Macmillan India.
- Sharma, R. S.; Kumar, D. (2018): Bharat Ka Prachin Itihas: Oxford University Press India.
- Singh, U. (2009): A History of Ancient and Early Medieval India: From the Stone Age to the 12th Century (PB): Pearson India.
- Thapar, R. (2004): Early India: From the Origins to AD 1300: University of California Press.
- Thapar, R. (2012): Asoka and the Decline of the Mauryas: OUP India (Oxford India Perennials).
- थापर रोमिला, अर्ली इंडिया, के सागर पब्लिकेशन; पुणे, २०१३
- थापर रोमिला दी पेंग्वीन हिस्टरी ऑफ अर्ली इंडिया, के सागर पब्लिकेशन्स; पुणे, २०१८
- वासंती फडके (अनु.), एंशंट इंडिया (प्राचीन भारत) मूळ लेखक शर्मा आर.एस., के सागर पब्लिकेशन; पुणे, २०१५

- रोमिला थापर, लिखित अशोक आणि मौर्यांचा ऱ्हास, (Asoka and the Decline of the Mouryas या पुस्तकाचा अनुवाद). अनुवादिका. डॉ. सौ. शरावती शिरगावकर. अनुवादिका, महाराष्ट्र राज्य, महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुंबई, २००७ (https://sahitya.marathi.gov.in/scans/Ashok%20Ani%20Mauryacharhas_131.pdf)
- ढवळीकर, मधुकर केशव., आर्यांच्या शोधात, राजहंस प्रकाशन; पुणे, २०१२
- ढवळीकर, मधुकर केशव, कोण होते सिंधू लोक ?, राजहंस प्रकाशन प्रा लि; पुणे, २०१६
- ढवळीकर, मधुकर केशव, कोणे एके काळी सिंधु संस्कृती, राजहंस प्रकाशन, पुणे, २००६

B.A. Part III

Semester V, Course No: VIII DSE E-62

History of Medieval India (1206-1526 AD)

Course Objectives: This course covers the important period of Medieval Indian History. It was during this period that the Sultans established their rule in India. They introduced fundamental changes in polity, society, religion and culture of India. The course will acquaint the with various sources of medieval Indian history. They will get knowledge about the activities of major rulers and the policies followed by them. The students will know about the agricultural condition, development of trade and industry as well as the social, religious and architectural milieu of the period.

Course Outcomes:

After studying the course the student will be able to…

1) Describe the different types of historical sources available for writing the history of medieval India

2) Explain the contributions of medieval rulers like Allaudin Khilji, Muhammad-bin-Tuqhlaq, Krishnadevraya, and Mahmud Gavan

3) Give an account of the administration and economy of the Delhi sultanate and Vijayanagar Empire

4) Elucidate the significant developments which took place in religion, society and culture

Module I - Sources:

a) Literary: Tarikh-i- Firozshahi, Amuktamalyada

b) Archaeological (excluding Monuments)

c) Account of Foreign Travelers: Ibn Battuta, Domingo Paes

Module II - Major Rulers

a)Allaudin Khilji: Internal policy and reforms

b) Muhammad - bin- Tughlaq : Experiment of Token Currency

c) Krishnadevraya: Military success and cultural contribution

d) Mahmud Gavan: Contribution to Bahmani Kingdom

Module III - Administration and Economy(Delhi Sultanate and Vijaynagar)

a) Administration : Central and Provincial

b) Agriculture and Land Revenue

c) Industry and Trade

Module IV) Religion, Society and Culture:

a) Sufi Order: Chishti Silsila; Bhakti Movement: Sant Kabir; Sikh Religion: Guru Nanak

b) Society: Hindu and Muslim

c)Architecture: Delhi Sultanate, Vijaynagar and Bahamani.

Select Reference Books:

- Rizvi, S.A.A., The Wonder that was India, Part II, Rupa, Delhi,2002
- Chitnis, K.N., Glimpses of Medieval Indian Ideas and Institutions, 1974

- Chitnis K. N. Socio- Economic Aspects of Medieval India, Poona, 1979
- Mehta, Jaswant Lal, Advanced Study in the History of Medieval India, Volume I to III, Sterling, New Delhi, 1981.
- Raychaudhuri Tapan and Irfan Habib (eds.), Cambridge Economic History of India, Vol. I. C. 1200 C. 1750., Delhi, S. Chand, 1984.
- Satish Chandra, History of Medieval India (800- 1700), Orient Longman, Hyderabad, 2007
- जे. एल. मेहता, क्षीरसागर वि. एस, देशपांडे व्ही. टी, मध्ययुगीन भारताचा बृहत इतिहास , तीन खंड, के' सागर पब्लिकेशन्स, पुणे, २०१७
- Stein, Burton, Vijayanagara , Cambridge University Press, 1989
- सतीश चंद्र , वि. एस. क्षीरसागर, मद्ययुगीन भारत – मोगल साम्राज्य १५२६- १७४८, के सागर पब्लिकेशन्स, २०१७
- Salma Ahmed Farooqui, A Comprehensive History of Medieval India, Pearson, 2011.
- के. एन चिटणीस: मध्ययुगीन भारतीय संकल्पना व संस्था, खंड १ ते ४, पुणे, १९८२
- श. गो. कोलरकर: मध्ययुगीन भारताचा इतिहास (१२०६ ते १७०७) , श्री मंगेश प्रकाशन , १९९४
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- डब्ल्यू. एच. मूरलॅन्ड, अबकार कालीन हिंदुस्थान , ICHR, डायमंड प्रकाशन, पुणे, २००६
- डब्ल्यू. एच. मूरलॅन्ड, अबकार ते औरंगझेब, ICHR, डायमंड प्रकाशन, पुणे, २००६
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- जदूनाथ सरकार, औरंगजेब, डायमंड प्रकाशन, पुणे, २००६

B.A. Part III
Semester V, Course No: IX DSE E-63
Age of Revolutions

Course Objectives: This course introduces the students to the pathbreaking events of global history. The students will study the accounts of the causes and consequences of the transformative revolutions which changed the history of mankind. They brought about sudden big changes not only in the country in which they happened but also the world in general. Most of them left a lasting effect on the thought and the socio-political and cultural conditions of mankind. The course has been framed to make the students aware of the change and impact of these revolutionary events.

Course Outcomes:

After studying the course the student will be able to…

1) Explain the causes and consequences of the Reformation
2) Give an account of the role played by Martin Luther
3) Explain the salient features of the Industrial revolution
4) Given an account of the American revolution
5) Explain the causes, effects and major events of French Revolution
6) Explain the role of major leaders of the French Revolution

Module I: Reformation (16th Century)

a) Causes
b) Role of Martin Luther
c) Consequences

Module II: Industrial Revolution (18th Century)

a) Causes
b) Major Developments
c) Effects

Module III: American Revolution (1776)

a) Causes
b) Important events
c) Impact

Module IV: French Revolution (1789)

a) Causes
b) Important events and major leaders
c) Impact on the world

Select Reference books:

- Arun Bhattacharjee, World Revolutions, Ashish Publishing House, New Delhi, 1988
- L. Mukherjee, A Study of Modern Europe and the World, Calcutta, 2011
- John Merriman, A History pf Modern Europe; From the Renaissance to the Present, W.W. Norton and Company, 2009
- Heather M. Campbell, The Emergence of Modern Europe, c.1500 to 1788, The Rosen Publishing Group, Inc, 2011
- प्रा. ना. गो. भवरे, डॉ. मु. बा. देवपुजारी, अमेरिकाचा इतिहास, पायल प्रकाशन, नागपूर १९७३
- सु. ग. देशपांडे, अमेरिकेचा इतिहास, व्हीनस प्रकाशन पुणे, १९७१
- मदन मार्डीकर, आधुनिक युरोपचा इतिहास इ.स. १७८१ ते १९४५,विद्या बुक्स, २००५
- सत्यकेतू विद्यालंकार, युरोप का आधुनिक इतिहास (१७८९-१९७४) , २०१३
- कुलकर्णी अ. रा. आणि फडके श्री. रा., आधुनिक युरोप, देशमुख आणि कंपनी, १९६७
- देसाई दत्ता, आधुनिकतेचे आगमन: युरोपकेंद्री इतिहासाचा जागतिक विचार, द युनिक अकॅडमी; पुणे, २०१५
- जोगळेकर ज. द, फ्रेंच राज्यक्रांती, मॅजेस्टीक प्रकाशन, १९८९
- केळकर न. चिं., फ्रेंच राज्यक्रांती, भावे प्रकाशन, १९८९
- देव बळवंत अनंत, मार्टिन ल्युथर युरोपातील धर्मक्रांतीचा इतिहास, गंगाबाई देव, १९१५
- मॉरिसन रिचर्ड बी (भाषांतर परांजपे वा. कृ), अमेरिकन क्रांति, सौ. सुलोचना लिमये, १९५७

B.A. Part - III
Semester V, Course No. X DSE E-64
Political History of the Marathas

Course Objectives: The course is designed to study the political condition of Marathas after 1707. The Maratha polity was transformed into the largest political entity of India in the eighteenth century. The course introduces the students to the political developments which led to the expansion of Maratha power in the eighteenth century. It also explores the causes and events which led to the eventual decline of Maratha power.

Course Outcomes:

After studying the course the student will be able to…

1) Describe the political conditions of the Marathas upto the year 1740
2) Explain the role of Balaji Bajirao.
3) Explain the causes and effects of the Battle of Panipat.
4) Understand the political condition of the Marathas after 1761.
5) Critically analyze the causes for the decline of Maratha power.

Module I: Political condition up to 1740

a. Release of Shahu; Struggle between Shahu and Maharani Tarabai.
b. Balaji Vishwanath : Delhi Campaign, Maratha Confederacy
c. Bajirao Peshwa: Northern Policy, Relations with Nizam

Module II: Balaji Bajirao and Battle of Panipat(1761)

a. Relations with Angre
b. Conflict with Raghuji Bhosale
c. Battle of Panipat-1761

Module: III Political condition after 1761

a. Madhavrao Peshwa
b. Mahadji Shinde
c. Nana Phadnavis

Module IV: Decline of the Maratha Power

a. Peshwa Bajirao II
b. Second and Third Anglo- Maratha War
c. Causes for the decline of Maratha power

Select Reference books :

- अप्पासाहेब पवार (संपा) : ताराबाई कालीन कागदपत्रे, खंड १, शिवाजी विद्यापीठ, २०१८
- भावे, वा. कृ., पेशवेकालीन महाराष्ट्र, पुनर्मुद्रित, इंडियन काउन्सिल अव्ह हिस्टॉरिकल रिसर्च, नवी दिल्ली, १९७६
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- प्र.न.देशपांडे : मराठी सत्तेचा उदय आणि उत्कर्ष, स्नेहवर्धन पब्लिशिंग हाऊस, पुणे, २००१
- न.र.फाटक :(अनु.) : मराठी सत्तेचा उत्कर्ष, (म.गो.रानडेकृत राईज ऑफ मराठा पॉवर चे भाषांतर)
- जयसिंगराव पवार : महाराणी ताराबाई, ताराराणी विद्यापीठ प्रकाशन, १९७५
- जयसिंगराव पवार मराठी साम्राज्याचा उदय आणि अस्थ, कोल्हापूर , १९९३
- त्र्यं.श.शेजवलकर, श्री शिवछत्रपती- संकल्पित शिवचरित्राची प्रस्तावना, आराखडा. व साधने, मराठा मंदीर प्रकाशन, मुंबई, १९६४.
- त्र्यं.श.शेजवलकर , पानिपत १७६१, जोशी आणि लोखंडे प्रकाशन, १९६१
- गो. स. सरदेसाई, मराठी रियासत, १ ते ८ खंड , पॉप्युलर प्रकाशन, पुणे
- V.G. Dighe, Peshwa Bajirao and Maratha expansion, Karnatak Publishing House, Bombay, 1944
- M.G. Ranade, Rise of Maratha Power, 1900
- S.R. Sharma- The founding of Maratha freedom, Orient Longmans, Bombay, 1964
- H.N. Sinha – Rise of the Peshwas, The Indian Press (Publications) Ltd, Allahabad, 1954
- S.N.Sen-, Anglo Maratha Relations 1785-1796, Macmillan , Madras, 1974
- P.C.Gupta, Bajirao II and East India Company, Allied Publications Private Limited, Calcutta, 1964
- Brij Kishore, Tarabai and his Times , Bombay , 1963
- G.S. Sardesai- New History of Maratha's Vols I,II and III, Bombay, 1948

B.A. Part III:
Semester V, Course No. XI DSE E-65
History: Its Theory

(Field visit to any important historical place, monuments and record offices is essential)

Course Objectives:

This course has been designed to impart knowledge of the discipline of history to the students. The students will learn the nature and scope of the discipline. They will have a clear understanding of the nature of the evidence collected from primary and secondary sources. They will be introduced to the process of presenting and writing history. They will know the methods of writing history.

Course Outcomes:

After studying the course the student will be able to…

1) Understand the definition and scope of the subject of History
2) Know the process of acquiring historical data
3) Explain the process of presenting and writing history
4) Understand the methods of writing history

Module I: History: Definition and Scope

a) Meaning, Scope and Nature
b) Types of History
c) Interdisciplinary Approach

Module II: Acquisition of Historical Data

a) Sources: Nature and Types
b) Methods of Data Collection
c) Methods of Critical Enquiry

Module III: Process of presenting and writing history

a) Steps of Historical Research
b) Data Analysis and Interpretation
c) Presentation

Module IV: Methods of History writing

a) Notetaking
b) Footnotes and Endnotes
c) Index, Appendix, Bibliography

Select Reference books:

- B. Shaik, Ali., History, Its Theory and Method, Macmillan India Ltd, Madras, 1978
- Carr, E. H., What is History, Palgrave Publishers Ltd., Macmillan, 1986
- Chitnis, K. N., Research Methodology in History, Poona, 1979

- Bajaj, S. K., Research Methodology in History, Anmol Publications Pvt. Ltd., New Delhi, 1998
- Collingwood, R. G., The Idea of History, Oxford University Press, Oxford 1978
- Gottschalk, Louis., Understanding History, New York, Second Edition, 1969
- Majumdar, R. C., Historiography in Modern India, Bombay, 1970.
- कोठेकर, शांता., इतिहास तंत्र आणि तत्त्वज्ञान, श्री साईनाथ प्रकाशन, नागपूर, २००५
- गायकवाड, आर. डी., सरदेसाई, बी. एन. आणि हनमाने, व्ही. एन. इतिहासलेखन पद्धत व ऐतिहासिक स्मारके यांचा अभ्यास, फडके प्रकाशन, कोल्हापूर, १९८८
- गद्रे, प्रभाकर., इतिहास लेखनाच्या परंपरा, श्री मंगेश प्रकाशन, नागपूर, २००४
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SEMESTER VI

B.A. Part III

Semester VI, Course No. XII DSE E-186

Ancient India (From 4th c. BC to 7th c. AD)

Course Objectives: This course explores the history of India from the 4th century BC to the 7th century A.D. It takes a panoramic survey of the historical developments during this crucial period of Indian history. The course studies the eventful changes which took place under the Satavhana, Kushanas, Guptas, Vakatakas , Chalukyas and Pallavas. The students will be introduced to the incomparably vivid picture of India which prevailed during the ancient period. They will be acquainted with not only the glory of Ancient India but also the social inequality and social evils which have shaped India in the past.

Course Outcomes:

After studying the course the student will be able to…

1) Know the political ,economic and religious developments which took place in early historic India

2) Explain the role played by Major Satavahana, Kushana, Gupta and Vakataka Kings

3) Give an account of the developments in the Post-Gupta period

4) Have an informed opinion about the society and culture of Ancient India

Module I: Early Historic India

a)Sources: Gatha Saptashati, Periplus of the Erythraean Sea

b)Major Kings: Satavahana and Kushanas

c)Industry and Trade

d) Hinayana Buddhism

Module II: The Classical Age

a) Major Kings: Guptas and Vakatakas

b)Economy and Greater India

c)Literature and Science

d)Religion

Module III: The Post-Gupta Period

a) Source: Hiuen Tsang

b)North India: Harshavardhana

c) Deccan: Early Chalukyas of Badami

d) South India: Pallavas

Module IV: Society and Culture

a) Position of Women and Varna Structure (From Vedic period to Post-Gupta period)

b) Education

c) Art (From Mesolithic Art to Ajanta Paintings)

d) Architecture- (Rock-Cut Caves (Maharashtra) to Constructed Temples (Madhya Pradesh)

Select Reference Books :

- Jha, D. N. (1977): Ancient India: an introductory outline: People's Pub. House.
- Kosambi, D. D. (1975): An Introduction to the Study of Indian History: Popular Prakashan.
- Majumdar, R. C.; Bharatiya Vidya Bhavan; Bhāratīya Itihāsa Samiti (1951): The History and Culture of the Indian People: The Vedic age: G. Allen 8 Unwin (The History and Culture of the Indian People).
- Sharma, R. S. (1991): Aspects of Political Ideas and Institutions in Ancient India: Motilal Banarsidass.
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- Sharma, R. S. (2007): Material Culture and Social Formations in Ancient India: Macmillan India.
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- Munshi, K. M.; Majumdar, R. C. (1997): The Classical Age: Bharativa Vidya Bhavan (History and culture of the Indian people / General ed.: R.C. Majumdar).
- Sastri, K.A.N. (1958): A history of South India from prehistoric times to the fall of Vijayanagar: Oxford University Press.
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B.A. Part III

Semester VI, Course No. XIII DSE E-187

History of Medieval India (1526-1707 AD)

Course Objectives : This course explores the history of the Mughal period in India. The Mughals introduced fundamental changes in the polity, economy, society, culture and religion of India. The Bahamani kingdom in the Deccan also split up into five smaller kingdoms during this period. In the course the students will be introduced to the important events, personalities and developments in India. They will know the policies followed by important rulers and will acquaint themselves with the general scenario prevalent in India during the period. They will understand how a syncretic culture developed in India during the period.

Course Outcomes:

After studying the course the student will be able to…

1) Know about the various sources for writing Medieval Indian history

2) Explain the role of rulers like Babar, Akbar, Chandbibi and Ibrahim Adilshah II

3) Gain knowledge about the administrative and revenue system

4) Describe the condition of Industry and trade

5) Explain important developments in religion, society and culture

Module I: Sources

a) Literary: Akbarnama, Gulshan -i -Ibrahimi

b) Archaeological (excluding monuments)

c) Accounts of Foreign Travelers: Francois Bernier, Niccolo Manucci

Module II - Major Rulers

a) Babar: Battle of Panipat and foundation of Mughal empire.

b) Akbar: Rajput policy

c) Chandbibi

d) Ibrahim Adilshah II

Module III- Administration and Economy

a) Administration: Central and Provincial

b) Land Revenue: Akbar and Malik Ambar

c) Industry and Trade

Module IV: Religion, Society and Culture

a) Religious Policy: Akbar and Aurangzeb

b) Society: Hindu and Muslim

c) Architecture: Mughal and Adilshahi

Select Reference Books:

- Rizvi, S.A.A., The Wonder that was India, Part II, Rupa, Delhi, 2002
- Chitnis, K.N., Glimpses of Medieval Indian Ideas and Institutions, 1974
- Chitnis K. N. Socio- Economic Aspects of Medieval India, Poona, 1979

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- Qureshi I.H., The Administration of the Moghal Empire, Delhi, Low Price, Publication 1990
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- श. गो. कोलरकर: मध्ययुगीन भारताचा इतिहास (१२०६ ते १७०७) , श्री मंगेश प्रकाशन , १९९४
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- जदूनाथ सरकार, औरंगजेब, डायमंड प्रकाशन, पुणे, २००६

B.A. Part III

Semester VI , Course No: XIV. DSE E-188

Making of the Modern World (16th to 19th Century)

Course Objectives: This course deals with significant events in global history. The primary objective of the course is to introduce the students to the important events which have happened in the world in modern times. These events which were revolutionary in character had a profound impact on the making of the modern world. The students will be acquainted with the events of the Glorious revolution in England. They will understand the causes for the rise and spread of Nationalism and Imperialism. Moreover, they will know about some select important personalities who contributed to the making of the Modern World.

Course Outcomes:

After studying the course the student will be able to…

1) Know the causes and consequences of the Glorious revolution in England
2) Explain the concept of Nationalism and account for its rise and spread.
3) Describe the unification of Italy and Germany.
4) Give an account of the rise, growth and impact of Imperialism
5) Explain the significance of the Partition of Africa
6) Know the life and thoughts of important leaders like Metternich, Karl Marx and Abraham Lincoln

Module I: Glorious Revolution

a)Causes
b) Major events
c) Consequences

Module II: Nationalism

a) Causes for the rise and spread of Nationalism
b) Unification of Italy and Germany
c) Impact

Module III : Imperialism

a) Causes for rise and growth of Imperialism
b) Partition of Africa
c) Impact on the world

Module IV: Important Personalities

a) Metternich
b) Karl Marx
c)Abraham Lincoln

Select Reference books:

- Arun Bhattacharjee, World Revolutions, Ashish Publishing House, New Delhi, 1988
- L. Mukherjee, A Study of Modern Europe and the World, Calcutta, 2011
- David Thompson, Europe Since Napoleon, Penguin books, 1971
- T.C.W. Blanning, The Oxford History of Modern Europe, OUP, 2000

- C.J.H. Hayes, Modern Europe to 1870 , Macmillan, University of Michigan, 1953
- Desmond Seward, Metternich: The First European, Thistle Publishing, 2015
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- कारखानीस सरला, कार्ल मार्क्स चरित्र आणि विचार, जयंत एस भट, १९६०
- बापट राम, कार्ल मार्क्सचा विचार, परामर्श प्रकाशन, १९८४

B.A. Part III
Semester VI, Course No. XV DSE E-189
Polity, Economy and Society under the Marathas

Course Objectives : The objective of the course is to explore the nature of the Maratha polity. It will acquaint the students with the economic and social condition prevalent under Maratha rule. The course will also introduce the students to the sources of Maratha history.

Course Outcomes:

After studying the course the student will be able to…

1) Know the various sources for writing the history of the Marathas
2) Explain the significant developments in the polity of the Marathas
3) Describe the economic conditions
4) Explain the social conditions.

Module I: Sources

a. Importance of sources
b. Indian Sources: Sanskrit, Marathi, Persian
c. Foreign sources : Portuguese and English

Module II: Polity under the Marathas

a. Concept of Kingship
b. Asthapradhan Mandal
c. Transfer of power – Chhatrapati to Peshwa, Peshwa to Karbhari

Module III: Economic condition

a. Agrarian system – Land Revenue, Irrigation
b. Industry
c. Trade and Commerce

Module IV: Social condition

a. Social Structure - Family , Untouchability, Vethbegar , Slavery.
b. Condition of women and caste system
c. Education and Festivals

Select Reference books :

- शेणोलीकर ह.श्री. महाराष्ट्र संस्कृती : घडण आणि विकास, मोघे प्रकाशन, कोल्हापूर, १९७२
- भावे. व. कृ. : शिवराज्य व शिवकाल, भावे प्रकाशन, पुणे, १९५९
- अत्रे. त्र्यं. ना. गाववाडा, राजहंस प्रकाशन प्रा लि., पुणे, २०१८
- वि. गो. खोबरेकर , महाराष्ट्रातील दप्तरखाने: वर्णन आणि तंत्र, १९६८
- कुलकर्णी अ. रा. : शिवकालीन महाराष्ट्र, १९९३ आवृत्ती

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- गवळी पा. आ., पेशवेकालीन गुलामगिरी व अस्पृश्यता, १९८१
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- चापेकर, ना. गो., पेशवाईच्या सावलीत, पुणे, १९३७
- जोशी, एस्. एन्., मराठेकालीन समाजदर्शन, अ. वि. गृह प्रकाशन, पुणे, १९६०
- हेरवाडकर, आर. व्ही., मराठी बखर, व्हीनस प्रकाशन, मुंबई, १९८६
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- Desai, S.V., Social Life in Maharashtra under the Peshwas, Popular Prakashan, Bombay, 1962
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- Kulkarni, A. R., Maharashtra in the Age of Shivaji (A Study in Economic History), Pune, 1969.
- Mahajan, T. T., Industry, Trade and Commerce during the Peshwa period, Jaipur, 1980
- Kadam V.S. Maratha Confederacy**:**A study in its origin and development, Munshiram Manoharlal Publishers Pvt Limited , 1993
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B.A. Part III
Semester VI , Course No. XVI DSE E-190
Methods and Applications of History

Couse Objectives: This course has been designed to impart knowledge of the methods of history to the students. The students will understand the nature of archival sources. They will be introduced to the trends of local and oral history and will know about the tools of local history like Survey, Interview and Questionnaire. The students will be introduced to the technique of collecting data through oral interviews. The students will understand the concept of the museum and learn the basic principles of museology. Moreover, the course will introduce the students to the relevance of monumental heritage and its relationship with the discipline of history through the concept of Heritage Tourism

Course Outcomes:

After studying the course the student will be able to…

1) Understand the nature of archival sources
2) Gain conceptual clarity about recent trends in history.
3) Know about the application of history in museums.
4) Explain the concept and scope of heritage tourism.

(**Note: The students should undertake Individual/ Group field projects for assignments in which they could take oral interviews / surveys/ regarding persons, events and local socio-political, economic and cultural developments related to local history. They should make audio recordings of the interviews and develop an archive of local oral history in the college department. These audio interviews would form an important source of local history)**

Module I: Archival Sources

a) Meaning, types, and importance of Archives
b) Types of Records
c) Concept of Digital Archives

Module II: Recent Trends in History

a) Local History
b) Oral History
c) Tools of Local History (Survey, Interview, Questionnaire)
d) Interview Technique

Module III: Museology

a) Definition, Nature and Importance of Museum
b) Types of Museums
c) Methods of Collection, Conservation and Preservation Techniques of Objects

Module IV -Understanding Heritage Tourism

a) Concept, Scope and Significance of Heritage Tourism

b) Meaning and Historical Perspective of Tourism

c) World Heritage Sites in India

Select Reference books:

- B. Shaik, Ali., History:Its Theory and Method, Macmillan India Ltd, Madras, 1978
- Chitnis, K. N., Research Methodology in History, Poona, 1979
- Bajaj, S. K., Research Methodology in History, Anmol Publications Pvt. Ltd., New Delhi, 1998
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- गायकवाड, आर. डी., सरदेसाई, बी. एन. आणि हनमाने, व्ही. एन. इतिहासलेखन पद्धत व ऐतिहासिक स्मारके यांचा अभ्यास, फडके प्रकाशन, कोल्हापूर, १९८८
- गद्रे, प्रभाकर., इतिहास लेखनाच्या परंपरा, श्री मंगेश प्रकाशन, नागपूर, २००४
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- राजदेरकर, सुहास., इतिहासलेखनशास्त्र, विद्या प्रकाशन, नागपूर, १९९८
- सरदेसाई, बी. एन., इतिहासलेखन परिचय, फडके प्रकाशन, कोल्हापूर, २००६
- देशमुख, प्रशांत., इतिहासाचे तत्त्वज्ञान, विद्या बुक्स पब्लिशर्स, औरंगाबाद, २००५
- बेंद्रे, वा. सी., शिवशाहीचा चर्चात्मक इतिहास: साधन चिकित्सा, लोकवाङ्मय गृह, मुंबई, १९७६
- आठवले, सदाशिव., इतिहासाचे तत्त्वज्ञान, प्राज्ञपाठशाला, वाई, १९६७
- धाटावकर, भास्कर., महाराष्ट्रातील शासकीय पुरालेखागारांची निर्मिती आणि कार्य, चेतन प्रकाशन, मुंबई, २०१०
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- खतीब, के. ए., पर्यटन भुगोल, मेहता पब्लिशिंग हाऊस, पुणे, २००६

- आगलावे, प्रदीप., सामाजिक संशोधन- पद्धती शास्त्र व तंत्र, साईनाथ प्रकाशन, नागपूर, २०१९
- देव, प्रभाकर., इतिहास ऐक शास्त्र, कल्पना प्रकाशन नांदेड, १९९७
- राऊत, गणेश (संप), दत्तक गावांचा इतिहास, खंड १, २, ३, पुणे विद्यापीठ, पुणे, १९९९
- वांबूरकर जास्वंदी, इतिहास लेखनातील नवे प्रवाह, डायमंड प्रकाशन, पुणे, २०१५

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus

B.A.-II

SEMESTER - III

PAPER III- HISTORY OF MODERN MAHARASHTRA (1900 to 1960)

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 04

(introduced from June 2019)

The first sixty years of 20th century was a period of great upheaval in Maharashtra. The events and changes that took place during this period made a lasting impact on the polity, society and economy of the region. The identity of Maharashtra region was forged during this period. This course introduces the students to the key historical events and transformations which have played an important role in making of modern Maharashtra

After studying the course the student will be able to...

CO1.Understand the beginnings and growth of nationalist consciousness in Maharashtra

CO2. Explain the contribution of Maharashtra to the national movement

CO3. Give an account of various movements of the peasants, workers, women and backward classes

CO4. Know the background and events which led to the formation of separate state of Maharashtra.

MODULE-1	**Rise and Growth of Nationalism**	
	a) Rise of Nationalism	15
	b) Contribution of Gopal Krishna Gokhale	
	c) Contribution of Lokmanya Tilak	
MODULE -2	**Role of Maharashtra in the National Movement**	
	a) Revolutionary Movement	15
	b) Non-Cooperation Movement	
	c) Civil Disobedience Movement with special reference to the uprising in Solapur	
	d) Quit India Movement with special reference to Prati Sarkar Movement	
MODULE -3	**Social Movements**	
	a) Peasants and Workers	15
	b) Women's rights	
	c) Emancipation of Backward Classes	
MODULE -4	**Samyukta Maharashtra Movement**	
	a) Background	15
	b) Contribution of the Samyukta Maharashtra Samiti	
	c) Events leading to the formation of Maharashtra State	

Readings:

- Sukhatankar B R, Nineteenth Century history of Maharashtra, Shubadha-Saraswati Prakashan,1988
- Lederle Mathew, Philosophical Trends in Modern Maharashtra, Popular Prakashan, Bombay, 1976.
- Masselos J.C., Towards Nationalism, Group Affiliations and the Politics Associations Nineteenth Century Western India, Popular Prakashan, Bombay, 1974.
- Dhanagare, D. N. (1990), 'Shetkari Sanghatana: The Farmers' Movement in Maharashtra — Background and Ideology', Social Action, Vol. 40
- Doctor, A.H. Low caste protest movements in 19th and 20th century Maharashtra: A study of Jotirao Phule and B.R. Ambedkar, Indian Journal of Social Science. 4(2); 1991; 199-222
- पंडित नलिनी, महाराष्ट्रातील राष्ट्रवादाचा विकास,मॉडर्न बुक डेपो, मुंबई,१९७२
- परंपरा आणि परिवर्तन, प्रा.गं बा सरदार यांचे निवडक लेख, गोखले एजुकेशन सोसायटी, पुणे,१९८८
- फडणीस जगन,शेतकरी कामगार पक्षाचे राजकारण, अजब पुस्तकालय, कोल्हापूर,१९७८.
- पर्वते विष्णू ,गांधी पर्व, महाराष्ट्र साहित्य आणि संस्कृती मंडळ, १९८५
- मनोहर कदम, नारायण मेघाजी लोखंडे: भारतीय कामगार चळवळीचे जनक, मुंबई, १९९५
- फडके य दि, विसाव्या शतकातील महाराष्ट्र, १ ते 8 खंड, श्रीविद्या प्रकाशन , १९८३ -
- प्रबोधनातील पाउल खुणा, प्रा.गं बा सरदार यांचे निवडक लेख, कॉन्टीनेन्टल प्रकाशन, १९७८
- गडकरी माधव - संयुक्त महाराष्ट्र लढ्याचे महारथी, पुणे,१९८७
- देवगिरीकर त्र्यं र -१९२० ते १९६२ काळातील राजकीय आठवणी,चित्रशाळा प्रेस प्रकाशन, पुणे, १९६५
- देशमुख जी व्ही, संयुअक्त महाराष्ट्राचे मारेकरी, अरविंद प्रकाशन मुंबई, प्रकाशन वर्ष नाही
- जाधव वि तू, (अनु) राज्याची कारणमीमांसा, डॉ बाबासाहेब आंबेडकर, १९५५
- शिवणीकर राघव, सातारच सिंह, अंधाटे एस एस, पुणे २०००.
- भोले भा ल., बेडकिहाळ किशोर (संपा) बदलता महाराष्ट्र,(साठोत्तरी परिवारातच मागोवा) डॉ बाबासाहेब आंबेडकर अकादमी, सातारा,२००३.
- बडेकर दि के, संयुक्त महाराष्ट्र, चित्रशाळा प्रेस प्रकाशन, पुणे, १९४७.
- जोशी एस एम, मी ऐस एम,संयुक्त महाराष्ट (पूर्वार्ध) कॉन्टीनेटल प्रकाशन पुणे १९८४.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus B.A.-II

SEMESTER - IV

PAPER- V: HISTORY OF MODERN MAHARASHTRA (1960-2000)

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 04

(introduced from June 2019)

After 1960 a new period of development began in the state of Maharashtra. The eminent leaders played a pioneering role in this period of rapid transformation. This was also a period of massive expansion of education as well as social transformation. This course introduces the students to significant leaders, events and transformations in history of Maharashtra

After completion of the course, the student will...

CO1. Acquaint himself with the contribution of eminent leaders of Maharashtra

CO2. Know about the economic transformation of Maharashtra

CO3. Understand the salient features of changes in society

CO4. Explain the growth of education

MODULE -1	**Leaders:**	
	a) Congress : Y B Chavan, Vasantdada Patil	15
	b)Socialist: Nagnath Nayakawadi, S M Joshi, P K Atre	
	c) Communist: Comrade S.A. Dange	
MODULE -2	**Major Issues and Events**	
	a) Agriculture Development with special reference to role of Vasantrao Naik	15
	b) Industry –Sugar (Pravara Sugar Factory) and Milk (Aarey Dairy Mumbai)	
	c) Natural Disasters (Earthquakes- Koyna 1967 and Latur 1993)	
MODULE -3	**Social Movements**	
	a) Muslim Satyshodhak Samaj	15
	b) Satyshodhak Communist Party	
	c) Vidrohi Movement	
MODULE -4	**Educational Development**	
	a) Primary	15
	b) Secondary	
	c) Higher and Technical Education	

Readings:

- Baviskar B.S., The Politics of Development: Sugar Cooperatives in Rural Maharashtra, Oxford University Press, New Delhi, 1981
- Deshpande S.H., Economy of Maharashtra: Shri C. V. Joag Felicitation Volume Samaj Prabhodhan Sanstha, Poona, 1973
- Thakkar Usha & Kulkarni Mangesh, Politics in Maharashtra, Himalaya Publishing House, Mumbai, 1995
- Palshikar Suhas and Nitin Birmal (eds), Maharashtrache Rajkaran, Pratima, Pune.
- Baviskar B.S. and Attwood Donald (eds.), Finding the Middle Path, Vistaar Publications, New Delhi, 1995
- Bhole and Bedkiyal, Badalta Maharashtra (Marathi), Dr. Babasaheb Ambekar Academy Satara, 2003, 1981
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- बेडकीहाळ किशोर, बदलता महाराष्ट्र, डॉ. बाबासाहेब आंबेडकर अकॅडमी, सातारा २०१३
- श्री.ग. मुणगेकर (संपादक), परिवर्तनाचे प्रवाह महाराष्ट्र १९३१ ते १९८१, सकाळ सुवर्णमोहोत्सव प्रकाशन, १९८१
- पाटील पी सी, कर्मविरोपनिषिद्ध, ग्रामीण जीवन अभ्यास केंद्र १९६४.
- ठोके मो नि, श्रमिकांचे कैवारी, अभिनंदन प्रकाशन, कोल्हापूर, १९८३,
- पाटील सुभाष, (संपा) क्रांतिसिंह नाना पाटील स्मरणिका, हनमंतवडीये, १९९६.
- माने किरण,कथा क्रांती सूर्याची, कॉम्रेड गोविंदराव पानसरे अमृत महोत्सव समिती कोल्हापूर, २०१४.
- यादव सुमित, क्रांतिसिंह नाना पाटील जीवन व कार्य, सातारा इतिहास संशोधन मंडळ, २०१५.
- पाटील रा.तु यशवंतराव चव्हाण: एक वादग्रस्त पण कर्तबगार, मुत्सदी, ,सन्मित्र प्रकाशन कोल्हापूर.
- पाटील रा.तू., महाराष्ट्राच्या इतिहासातील कांही ताजी पाने, वसंतराव आणि यशवंतराव, सन्मित्र प्रकाशन कोल्हापूर.
- अहिर ज य, क्रांतिवीर नागनाथ अण्णा नायकवडी वाळवा, २०१०
- कुलकर्णी हेरंब, दारिद्र्याची शोध यात्रा,समकालीन प्रकाशन पुणे.
- घोटाळे विवेक,अभय कांता, महाराष्ट्रातील दुष्काळ, युनिक अकादमी पुणे.
- देसाई दत्ता, महाराष्ट्राच्या विकासाची दिशा, हवी नवी मळवाट, परिवर्तन प्रकाशन
- गवेकर अरुण (डॉ) उच्च शिक्षण समस्या प्रवाह, उत्कर्ष प्रकाशन,पुणे,२०११.
- तावडे स्नेहल (डॉ) माध्यमिक व उच्चमाध्यमिक शिक्षण व्यवस्थापन, समस्या आणि उपाय,डायमंड प्रकाशन पुणे.
- शहा सुरेखा, महाराष्ट्राचे जलनायक, सुमेरू प्रकाशन
- मोरवंचीकर रा.श्री. भारतीय जलसंस्कृती स्वरूप व व्याप्ती, सुमेरू प्रकाशन
- कणिकर राजश्री, जलसंपदा, परममित्र प्रकाशन
- पाटील दिनेश, असंतोषाचा अब्राम्हणी क्रांतिसूर्य कॉम्रेड शरद पाटील,पार्थ पब्लिकेशन कोल्हापूर,२०१९.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus

B.A.-II

SEMESTER - III

PAPER IV: HISTORY OF INDIA (1757-1857)

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 4

(introduced from June 2019)

This course will acquaint the students with the history of India under British rule. It will help the students to understand how the East India Company established and consolidated its rule in India. They will know about the impact of colonial rule on the Indian Economy. It will also familiarize the students with the revolts against the company rule.

After studying this course, the student will...

CO1. Acquaint himself with significant events leading to establishment of the rule of East India Company

CO2. Know the colonial policy adopted by the company to consolidate its rule in India

CO3. Understand the structural changes initiated by colonial rule in Indian economy.

CO4. Explain the various revolts against rule of the East India Company.

Module- 1	**Establishment of Company rule in India**	**15**
	a) Causes for establishment of Company rule b) Struggle with Native Powers (Bengal and Mysore) c) Struggle with Marathas	
Module -2	**Making of a Colonial Policy**	**15**
	a) Dual Government – Robert Clive b) Subsidiary Alliance - Lord Wellesley, c)Doctrine of Lapse - Lord Dalhousie,	
Module -3	**Making of a Colonial Economy**	**15**
	a) Land revenue settlements- (*Permanent Settlement, Ryotwari, Mahalwari*) b) De-industrialization c) Drain of Wealth	
Module -4	**Revolts against Company Rule**	**15**
	a) Tribal Revolts b) Revolt of 1857 c) Queen's Proclamation of 1858 and its effects	

Readings:

- Bandyopadhyay, S. From Plassey to Partition. Delhi: Orient Longman, 2004.
- Bose, S and Ayesha Jalal. Modern South Asia: History, Culture, Political Economy. New Delhi: OUP, 1998
- Chandra, B. Nationalism and Colonialism in Modern India. Delhi: Orient Longman, 1996.
- Habib, I. Indian Economy 1757-1857: A People's History of India Series. Vol. 25. Delhi, Tulika Books, 2013
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- Grover B. L. and Mehta Alka- A New Look at Modern Indian History –
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- Prasad, Ishwari and Subedar. - A History of Modern India
- Chhabra, G.S.-An Advanced Study in the History of Modern India, Vol. I, II, III
- Tara Chand - History of Freedom Movement in India – Four Volumes
- Chakravarty, Subhash, The Raj Syndrome: A study in Imperial Perceptions, 1989
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- Stokes, Eric, The Peasant Armed: The Indian Rebellion of 1857, (ed.) Bayly, C.A, New Delhi, Oxford University Press, 1986
- Mukherji, Ramakrishna: The Rise and Fall of the East India Company
- S.C. Sarkar: The Bengal Renaissance (हिंदी- बंगाल का नवजागरण)
- R.C. Mazumdar, H.C. Raychaudhuri and Kalikinkar, Datta: An Advanced History of India (हिंदी- भारत का बृहद इतिहास)
- ग्रोव्हर, बी. एल., व बेल्हेकर एन.के.- आधुनिक भारताचा इतिहास - एक नवीन मुल्यांकन, एस.चंद पब्लिकेशन नई दिल्ली.
- वैध, सुमन व कोठेकर शांता – आधुनिक भारताचा इतिहास (१७५७-१८५७), (१८५७-१९२०),(१९२०-१९४७)
- बंद्योपाध्याय, शेखर- प्लासी से विभाजन तक, आधुनिक भारत का इतिहास (हिंदी)
- कुलकर्णी , अ. रा.- कंपनी सरकार (ईस्ट इंडिया कंपनी), राजहंस प्रकाशन प्रा. लिमिटेड,पुणे.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus

B.A.-II

SEMESTER – IV

PAPER VI: History of Freedom Struggle (1858-1947)

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 04

(introduced from June 2019)

The course is designed to study the freedom struggle in India from 1858 to 1947. It will familiarize the students with events leading to emergence of national consciousness in India. They will be acquainted with the prolonged struggle launched by the Indian National Congress under the leadership of Mahatma Gandhi. They will also know about the struggle of the revolutionaries, leftists and the Indian National Army. The course will introduce students to the concept of Communalism and the process which led to the partition of India.

After completion of this course, the student will be able to...

CO1. Understand the events which lead to the growth of nationalism in India

CO2. Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi

CO3. Explain the contribution of Revolutionaries, Left Movement and Indian National Army

CO4. Know the concept of Communalism and the causes and effects of the partition of India

Module- 1	**Rise of Nationalism** a) Formation of Indian National Congress b) Contribution of Moderates c) Contribution of Extremists (Swadeshi Movement and Home Rule Movement)	**15**
Module -2	**Gandhian Era** a) Non-Cooperation Movement b) Civil Disobedience Movement c) Quit India Movement	**15**
Module -3	**Other Strands** a) Revolutionary Movement b) Leftist Movement c) Subhash Chandra Bose and Indian National Army	**15**
Module -4	**Communalism and Partition** a) Concept of Communalism b) Causes for Partition c) Effects of Partition	**15**

Readings

- Bandyopadhyay, S. From Plassey to Partition. Delhi: Orient Longman, 2004.
- Chandra Bipan, Rise and Growth of Economic Nationalism in India, Delhi, 1966
- Chandra, B. Nationalism and Colonialism in Modern India. Delhi: Orient Longman, 1996.
- Mujumdar R. C. - British Paramountcy & Indian Renaissance, Part I & II, Bhartiya Vidhya Bhavan (3rd Ed.) 1991.
- Bhattacharjee, Arun, History of Modern India (1707 – 1947), Ashish Publishing House, New Delhi 1976
- Dutt, R.P. India Today. Calcutta: Manisha, 1986
- Sarkar, S. Modern India 1885-1947. Delhi: Macmillan, 1983.
- Tara Chand, History of Freedom Movement in India, Vol. 1to 4, Publication Division, Government of India, New Delhi, 1961-1972
- Chousalkar, Ashok, Indian Idea of Political Resistance, Ajanta Publication, Delhi 1990
- B.R. Nanda (ed), Gokhale: The Indian Moderates and the British Raj, Princeton University Press, New Jersey, 1977
- Daniel Argov, Moderates and Extremists in the Indian National Movement, 1833-1920, 1967.
- ताराचंद – भारतीय स्वतंत्रता आंदोलन का इतिहास खंड-१,२,३,४,(हिंदी)
- चंद्र, बिपीन, एवं अन्य - भारत का स्वतंत्रता संघर्ष , हिंदी माध्यम कार्यान्वय निदेशालय, नई दिल्ली. (हिंदी)
- चंद्र, व इतर – (अनु. मा. कृ. पारधी)- स्वातंत्र्याचा लढा, नॅशनल बुक ट्रस्ट इंडिया, नवी दिल्ली .
- ग्रोव्हर, बी. एल., व बेल्हेकर एन.के.-आधुनिक भारताचा इतिहास - एक नवीन मुल्यांकन
- जावडेकर, श.द., आधुनिक भारत, पुणे, १९७९(reprint)
- केळकर, श्रीपाद , असहकाराचे आंदोलन
- लिमये, मधु. - स्वातंत्र्य चळवळीची विचारधारा, समाजवादी मित्र बिरादरी, पुणे.
- सरकार, सुमित – आधुनिक भारत का इतिहास , राजकमल प्रकाशन, नई दिल्ली. (हिंदी)
- वाळिंबे, व्ही.एस.- सत्तावन ते सत्तेचाळीस, स्वातंत्र्य लढ्याची संस्मरणीय कहाणी, राजहंस पब्लिकेशन पुणे.
- ग्रोव्हर, बी. एल., व बेल्हेकर एन.के.- आधुनिक भारताचा इतिहास - एक नवीन मुल्यांकन, एस.चंद पब्लिकेशन नई दिल्ली.
- वैध, सुमन व कोठेकर शांता – आधुनिक भारताचा इतिहास (१७५७-१८५७), (१८५७-१९२०),(१९२०-१९४७)
- बंद्योपाध्याय, शेखर- प्लासी से विभाजन तक, आधुनिक भारत का इतिहास (हिंदी)

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus

B.A.-II

SEMESTER - III

IDS PAPER I: SOCIAL REFORMS IN INDIA

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 04

(introduced from June 2019)

This course is conceived to introduce the students to the social and religious change in India expressed in various social reform movements. Students will explore the significance and impact of prominent social and reform movements. It will help the students to understand how the ideals of rationalism, humanism and universalism were encouraged by the Indian social reformers. The course will attract students from a wide variety of social science disciplines.

After completion of the course, the student will be able to ...

CO1. Understand the salient features of prominent socio-religious reform movements

CO2. Explain the thought and work of Mahatma Phule for radical transformation of Indian society

CO3. Know the measures taken by Rajashri Shah Maharaj for emancipation of lower classes and women

CO4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India

CO5. Know how the Indian constitution embodies the values of social justice and equality

MODULE-1 Socio-Religious Reform Movements

a) Raja Ram Mohan Roy and Brahmo Samaj 15

b) Swami Dayanand Saraswati and Arya Samaj

c) Swami Vivekanand and Ramakrishna Mission

MODULE-2 Mahatma Phule

a) Educational and Social Work 15

b) Satyashodhak Samaj

c) Thoughts of Mahatma Phule (with special reference to *Shetkaryancha Asud* and *Gulamgiri*)

MODULE-3 Rajashri Shahu Maharaj

a) Educational and Social upliftment of lower classes 15

b) Women's Rights

c) Hostel Movement

MODULE-4 Dr Babasaheb Ambedkar

a) Thoughts on Annihilation of Caste 15

b) Mahad Incident and the Temple entry movement

c) Social Justice and Indian Constitution

Readings:

- Kenneth W. Jones, Socio-religious reform movements in British India, Cambridge University Press, 1994
- David Kopf, The Brahmo Samaj and the Shaping of the Modern Indian Mind, Princeton, 1979
- Amiya P. Sen , Social and Religious Reform, Oxford University Press, 2005
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- वाघमारे जनार्दन (डॉ) स्वामी दयानंद सरस्वती, कीर्ती प्रकाशन, औरंगाबाद,२०१०
- घोष गौतम, आधुनिक भारताचे प्रेषित स्वामी दयानंद,(अनु) मोर्डेकर माधव, मेहता पब्लिशिंग हौस, पुणे
- वैद्य प्रभाकर, महात्मा फुले आणि त्यांची परंपरा, प्रेरणा- शिकवण-विपर्यास, लोकवाड्मय, मुंबई
- फडके य दि, (संपा) महात्मा फुले समग्र वाडमय, महाराष्ट्र साहित्य संकृती मंडळ मुंबई, १९९१
- नरके हरी, (डॉ) संशोधनाच्या नव्या वाटा, महाराष्ट्र साहित्य संकृती मंडळ मुंबई, १९९८
- कीर धनंजय, महात्मा फुले, पॉपुलर प्रकाशन,१९७३.
- पवार जयसिंगराव, राजर्षी शाहू छत्रपती- एक मागोवा, मेहता पब्लिशिंग हाऊस, कोल्हापूर, २०१८
- पवार जयसिंगराव, राजर्षी शाहू – एक दृष्टीक्षेप, कोल्हापूर, १९८९
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- बाबर अशोक (डॉ) आंबेडकरवाद, कोटी अंड बाबर पब्लिकेशन, सोलापूर,२०१६.
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SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus B.A.-II

SEMESTER - IV

IDS PAPER- II: SOCIAL REFORMS IN MAHARASHTRA

(CHOICE BASED CREDIT SYSTEM – (CBCS)

Credits: 04

(introduced from June 2019

Fundamental changes took place in the society of Maharashtra during the 19th and 19th centuries. The beginnings of Western education, press and industrialization made a lasting impact on the thinking of people. Eventually some reform-oriented people started movements to reform the society. This course introduces the students to the salient features of social reforms in Maharashtra.

After studying the course, the student will be able to...

CO1. Know about the beginnings of social reforms in Maharashtra by the Paramhansa Mandali and Prarthana Samaj.

CO2. Understand the contribution of women reformers

CO3. Explain the contribution of Social reformers in the fight for social justice

CO4. Explain the role played by educational reforms in transformation of society.

MODULE-1 Beginnings of Social Reform

a) Social condition in early 19th century 15

b) Paramhansa Mandali

c) Prarthana Samaj

MODULE -2 Women Reformers

a) Savitribai Phule 15

b) Tarabai Shinde

c) Pandita Ramabai

MODULE -3 Social Reformers

a) Lahuji Salve 15

b Maharshi Vitthal Ramji Shinde

c) Gadage Maharaj

d) Annabhu Sathe

MODULE -4 Educational Reforms

a) Karmaveer Bhaurao Patil 15

b) Dr. Bapuji Salunkhe

c) Punjabrao Deshmukh

Readings:

- Kenneth W. Jones, Socio-religious reform movements in British India, Cambridge University Press, 1994
- Amiya P. Sen, Social and Religious Reform, Oxford University Press, 2005
- Articles on Paramhansa Sabha, Prarthana Samaj, Satyashodhak Samaj in Murali Ranganathan (ed.), The Collected Works of JV Naik, Asiatic Society of Mumbai, 2016

- Ravindra Kumar, Western India in the Nineteenth Century: A study in the social history of Maharashtra: Volume 27 (Studies in Social History) Routledge & Kegan Paul,1968
- Feldhaus Anne (Edit)Images of Women in Maharashtrian Society, State University of New York Press ,1998
- The Pandita Ramabai Story: In Her Own Words, Mukati Mission Clinton,2018
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- उमेश बागाडे, महाराष्ट्रातील प्रबोधन आणि वर्गजातिप्रभुत्व, सुगावा प्रकाशन, पुणे, २००६
- मा. प. मंगुडकर, महात्मा फुले आणि सत्यशोधक चळवळ, दादर, प्रकाशन तारीख नाही
- पवार बा ग, महर्षी विठ्ठल रामजी शिंदे, मातृभूमी प्रकाशन पुणे
- माळी मा गो, सावित्रीबाई फुले समग्र वाडमय
- पवार ब. ग. सावित्रीबाई फुले चरित्र, मातृभूमी प्रकाशन,पुणे
- खोले विलास, (संपा) स्त्री पुरुष तुलना, ताराबाई शिंदे, संशोधित आवृत्ती, प्रतिमा प्रकाशन,१९९७
- पवार एम जी, महर्षी विठ्ठल रामजी शिंदे समग्र वाडमय, अक्षरधारा प्रकाशन कोल्हापूर,
- भगत रा तू, समतासूर्य गाडगेबाबा, चैतन्य प्रकाशन कोल्हापूर.
- भगत रा तू, चैतन्य प्रकाशन कोल्हापूर असे होते गाडगेबाबा.
- घोडे अनंत कोल्हापूर सशत्र क्रांतीचे जनक लहूजी वस्ताद
- कदम सोमनाथ डी, मातंग समाजाचा इतिहास, अरुणा प्रकाशन, लातूर.
- साहित्यरत्न लोकशाहीर अण्णाभाऊ साठे, निवडक वाडमय, खंड क्र १ व २लोकशाहीर अण्णाभाऊ साठे चरित्र साधने प्रकाशन समिती, महाराष्ट्र शासन ,मुंबई
- गुरव बाबुराव (डॉ) अण्णाभाऊ साठे समाज विचार आणि साहित्य विवेचन,, लोकवाडमय प्रकाशन मुंबई
- सुर्वे गजानन, शिक्षण महर्षी बापुजी साळुंखे चरित्र ग्रंथ, ,शिक्षण महर्षी बापुजी साळुंखे सत्कार समिती,कराड १९८१
- मोहिते कल्पना, डॉ पंजाबराव देशमुख यांचे जीवन व कार्य, मुक्ता पब्लिशिंग हाउस कोल्हापूर,२०१२.

Equivalence of Old papers

Sr. No	Semester No	Title of Old Paper	Title of New Paper
1	III	History of Social Reforms in India	**IDS PAPER I: SOCIAL REFORMS IN INDIA**
2	IV	History of Social Reforms in Maharashtra	**IDS PAPER- II: SOCIAL REFORMS IN MAHARASHTRA**
3.	III	Paper III:World Revolution-I	**PAPER III- HISTORY OF MODERN MAHARASHTRA (1900 to 1960)**
4.	IV	Paper-V World Revolution-II	**PAPER- V: HISTORY OF MODERN MAHARASHTRA (1960-2000)**
5.	III	Paper IV:Freedom Struggle of India-	**PAPER IV: HISTORY OF INDIA (1757-1857)**
6.	IV	Paper VI - Freedom Struggle of India-II	**PAPER VI: HISTORY OF FREEDOM STRUGGLE (1858-1947)**

Structure of Question Paper

Faculty of Humanities

Common Nature of Question Paper (Except Languages)

Choice Based Credit System

B.A.-Part II (Semester III and IV) Examination

Day and Date: **Total Marks: 50**

Time:

Instruction: 1) All Questions are compulsory

2) Figures to the right indicate full marks

1. Select the correct alternative from the following (10)

1).....

a) **b)** **c)** **d)**

2).....

a) **b)** **c)** **d)**

3).....

a) **b)** **c)** **d)**

4).....

a) **b)** **c)** **d)**

5).....

a) **b)** **c)** **d)**

6).....

a) **b)** **c)** **d)**

7).....

a) **b)** **c)** **d)**

8).....

a) **b)** **c)** **d)**

9).....

a) **b)** **c)** **d)**

10).....

a) **b)** **c)** **d)**

2. Write short notes on any FOUR out of six **(20)**

3. (A) Essay Question: **(10)**

OR

(B) Essay Question:

4. (A) Essay Question: **(10)**

OR

(B) Essay Question:

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004,
MAHARASHTRA
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Estd. 1962
"A++" Accredited by
NAAC (2021)
With CGPA 3.52

जा.क्र./शिवाजी वि./अ.मं./इतिहास/७५ दि.२१/११/२०२२

प्रति,

मा. प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/मान्यताप्राप्त संस्था,
शिवाजी विद्यापीठ, कोल्हापूर

विषय : बी. ए. भाग १ इतिहास विषयाच्या अभ्यासक्रमाबाबत..
संदर्भ : या कार्यालयाचे पत्र क्र.३३२ दि.१९/०९/२०२२.

महोदय,

उपरोक्त संदर्भिय विषयास अनुसरुन आपणास आदेशान्वये कळविण्यात येते की, शैक्षणिक वर्ष २०२२–२३ पासून लागू करण्यात आलेल्या **बी. ए. भाग १ इतिहास विषयाच्या** अभ्यासक्रमामध्ये किरकोळ दुरुस्ती करण्यात आलेली आहे. सोबत सदर अभ्यासक्रमाची प्रत जोडली आहे. तसेच विद्यापीठाच्या www.unishivaji.ac.in (Online Syllabus) या संकेतस्थळावर ठेवण्यात आला आहे.

सदर अभ्यासक्रम सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणून द्यावी ही विनंती.

कळावे,

आपला विश्वासू,

उपकुलसचिव

सोबत : अभ्यासक्रमाची प्रत.

प्रत : १. अधिष्ठाता, मानवविज्ञान विद्याशाखा.
२. समन्वयक, इतिहास अभ्यास मंडळ.
३. संचालक, परीक्षा व मुल्यमापन मंडळ कार्यालयास.
४. परिक्षक नियुक्ती ए व बी विभागास.
५. बी. ए. परीक्षा विभागास.
६. संगणक केंद्र/आय. टी. सेल विभागास.
७. दूरस्थ व ऑनलाईन शिक्षण विभाग.

माहितीसाठी व पुढील कार्यवाहीसाठी.

Shivaji University, Kolhapur

Accredited By NAAC with 'A ++ ' Grade
CHOICE BASED CREDIT SYSTEM

Syllabus in accordance with NEP

B.A. Part - I

HISTORY

(Syllabus to be implemented from June 2022 onwards.)

Choice Based Credit System
B.A. Part - I
History Course – 1
(June 2022 onwards)

Semester I, Paper I: Rise of the Maratha Power (1600-1707)

(**Objectives**: The period from 1600 to 1707 was an important epoch in the history of Marathas. Chhatrapati Shivaji Maharaj established the Maratha state. Later, Chhatrapati Sambhaji, Chhatrapati Rajaram and Maharani Tarabai led the Maratha struggle of independence against the Mughal rule. The primary aim of this course is to introduce students to the history of the rise of Maratha power with main emphasis on life and work of Chhatrapati Shivaji Maharaj. The course is also expected to apprise the students with the sacrifices made by Maratha leaders and people to protect freedom and sovereignty of the region)

Module 1- Chhatrapati Shivaji Maharaja's achievement till 1664

a. Background of the Rise of Maratha Power

b. Early activities upto 1659; Afzalkhan Episode and Siege of Panhala

c. Shahistekhan Episode and Attack on Surat

Module 2-Chhatrapati Shivaji Maharaja's achievement till 1680

a. Treaty of Purandar and Visit to Agra

b. Coronation

c. Expedition to Karnataka

Module 3- Maratha War of Independence (1681-1707)

a. Chhatrapati Sambhaji Maharaj

b. Chhatrapati Rajaram Maharaj

c. Maharani Tarabai

Module 4-Importance of Sources for understanding Maratha history

a. Sources (Sanskrit and Marathi): *Shivbharat, Adnyapatra*

b. Persian sources: *Tarikh-i-Dilkusha, Muntakhab-ul-Lubab*

c. Foreign records and accounts: English and Portuguese

List of References:

Khafi Khan Muhammad Hashim, Muntakkhab-ul-lubab in *The History of India as Told by Its Own Historians* , Vol. 7 , Elliot and Dowson (eds.), Second Edition, Calcutta, 1952.
English Records on Shivaji (1959-1682), Shiva Charatira Karyalaya, Poona, 1931.
Patwardhan R. P., and H.G. Rawlinson, *Source Book of Maratha History- to the Death of Shivaji*, Vol.1, Bombay, 1929
Gordon, Stewart, *The Marathas 1600-1818*, Cambridge University Press, 1993.
Kulkarni, A. R. *Medieval Maratha Country,* Diamond Publications, 2008.
Kulakarni, A. R., *The Marathas,* Diamond Publications, 2008.
Pagdi, Setumadhava Rao, *Shivaji,* National Book Trust, India, 1993.
Ranade, M. G. *Rise of the Maratha Power* (Classic Reprint), Publications Division Ministry of Information & Broadcasting (ebook), 2017
Sarkar, Jadunath, *Shivaji and His Times,* Orient Blackswan, 1992.

मराठी संदर्भग्रंथ

सरदेसाई, गो. स., *मराठी रियासत, खंड १ ते ८*, पॉप्युलर प्रकाशन, मुंबई, १९८८ ते १९९२

कुलकर्णी, अ. रा., खरे ग. ह., *मराठ्यांचा इतिहास, खंड १ ते ३*, कॉन्टिनेंटल प्रकाशन, पुणे, १९८४, १९८५, १९९३

काळे द. वि., *छत्रपती शिवाजी महाराज,* पुणे विद्यापीठ, पुणे, १९५९

दिवेकर स. म., (संपा.) *कवींद्र परमानंदकृत श्री शिवभारत*, भारत इतिहास संशोधक मंडळ, पुणे, १९२७

आठवले सदाशिव, *शिवाजी व शिवयुग*, मेहता पब्लिशिंग हाउस, पुणे, १९९२

जोशी प्र. न., (संपा) *आज्ञापत्र,* व्हीनस प्रकाशन, पुण, १९९७

बेंद्रे वा. सी., श्री *छत्रपती शिवाजी महाराज यांचे चिकित्सक चरित्र*, साहित्य सहकार मुद्रणालय, कुलाबा, १९७२

कुलकर्णी अ. रा., (संपा) *आज्ञापत्र,* डायमंड पब्लिकेशन, पुणे, २००७

पवार जयसिंगराव , *शिवाजी व शिवकाळ*, फडके प्रकाशन, १९९३

पवार जयसिंगराव, म*राठेशाहीचा उदय आणि अस्त*, मंजुश्री प्रकाशन, कोल्हापूर, १९९३

पवार जयसिंगराव, *मराठेशाहीचा उदय*, फडके प्रकाशन, कोल्हापूर, २००५

पगडी सेतुमाधवराव, *मराठ्यांचे स्वातंत्र्ययुद्ध* (खाफीखानाचा साधनग्रंथ), पुणे, १९६२

पगडी,सेतूमाधवराव, *मोगल आणि मराठे* (तारीके दिल्कुशा) , पहिली आवृत्ती, पुणे, १९६२

पगडी सेतूमाधवराव, *शिवचरित्र – एक अभ्यास*, शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१२

पगडी सेतु माधवराव, *छत्रपती शिवाजी,* नॅशनल बुक ट्रस्ट, इंडिया नवी दिल्ली, २००४

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जयसिंगराव पवार, *छत्रपती संभाजी स्मारक ग्रंथ*, रिया पब्लिकेशन्स, कोल्हपुर, १९९०

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खोबरेकर वि.गो., *मराठा अंमलाचे स्वरूप*, शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, १९८८

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Semester II, Paper II: Polity, Society and Economy under the Marathas (1600-1707)

(**Objectives**: 1600 to 1707 was a period of rapid change in the history of Marathas. Chhatrapati Shivaji Maharaj established the Maratha state and initiated fundamental changes in the political, socio-economic and cultural life of the people. The course is designed to acquaint the students with the political, socio-economic and religious life of the people during the 1600-1707 period. It will educate the students about the policy and contribution of Chhatrapati Shivaji Maharaj)

Module 1- Polity

a. Civil administration: administrative structure, Ashtapradhan

b. Judicial administration: judicial structure, gotsabha, divya

c. Military administration: forts and navy

Module 2- Economy

a. Agriculture: types of land and crops, revenue settlement, irrigation

b. Industry: local craftsmen and major Industries

c. Trade: trade centers, trade routes, transport and communications

Module 3- Society and Religion

a. Village communities: Vatandar, Mirasdar, Balutedar-Alutedar and Upare

b. Pandharpur movement

c. Pilgrimage Centers: Kolhapur, Shikhar Shinganapur, Tuljapur

Module 4-Chhatrapati Shivaji Maharaj: Policy and Contribution

a. Administration and Management

b. Trade and Agriculture

c. Religion

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Sarkar, Jadunath, *Shivaji and His Times*, Orient Blackswan, 1992.
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काळे द. वि., *छत्रपती शिवाजी महाराज*, पुणे विद्यापीठ, पुणे, १९५९

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मेहेंदळे ग. भा., व शिंगे संतोष, *शिवछत्रपतींचे आरमार*, परमित्र पब्लिकेशन, पुणे, २०११

पगडी सेतूमाधवराव, *शिवचरित्र – एक अभ्यास,* शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१२

पगडी सेतु माधवराव, *छत्रपती शिवाजी*, नॅशनल बुक ट्रस्ट, नवी दिल्ली, २००४

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NATURE OF QUESTION PAPER AND SCHEME OF MARKING
B.A. Part- I
(Semester-I) Examination ----------History ------
Title ----------
Sub code ------- Day & Date : Time: Total Marks : 40

Instructions
1. All questions are Compulsory
2. Figures to right indicates full marks

Q 1 Complete the following sentences by choosing correct alternatives (05)
1.
2.
3.
4.
5.

Q 2 Write short notes (any three out of five) (15)

A.
B.
C.
D.
E.

Q 3 Write detail answers on any two (out of three) of the following (20)

A.
B.
C.

Internal Evaluation- 10 Mark
B.A.-I Semester-I - Home Assignment
B.A.-I Semester-II – Unit Test

SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM
Syllabus For
B.A. Part - II
Geography
(Syllabus to be implemented from June, 2019 onwards.)

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
Bachelor/Master of

B. A. Part - II
DSC (Discipline Specific Core Course) Geography (Course / Paper No. III)
Semester - III
June 2019 onwards

A] **Ordinance and Regulations:-**
(As applicable to degree/program)

B] **Shivaji University, Kolhapur**
New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – SOIL GEOGRAPHY
Optional/Compulsory/Additional/IDS under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

Soil Geography which is the most important and comparatively neglected branch of Physical Geography. But after 1960 this branch of Geography becomes popular due to its own significance in the World. Therefore, it has been introduced to B. A. Part-II. In this course the fundamental as well basic concepts and knowledge of Soil Geography have been included. The present syllabus of this course includes nature, scope, branches, significance of Soil Geography and its relevance to pedology; factors of soil formation, soil formation process, soil profile, soil properties, soil: characteristics and genetic classification, soil degradation, soil erosion and conservation of soil; physical and chemical properties of soils, classification of soils and soil management.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:
(As applicable to the Degree /Subject- Paper concerned)

i) Students should know soil geography which is the fundamental branch of Physical Geography.
ii) To familiarize the students with the basics and fundamental concepts of soil geography.
iii) With this study, students understand soil is key resource for the development of any country.

iv) Students are aware about process of soil formation and development as well as soil properties.

v) Students should know classification, characteristics and distribution of soils.

vi) Students should know the concepts related to soil degradation and erosion, causes and controlling factors of soil erosion, conservation of soils.

vii) Students should know the concept, need and methods soil of management.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

8. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FOURTH

Paper No.	**Title Marks**
Course / Paper - III, Soil Geography	**50**

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week	**Examination Scheme Sr. (Marks)**

		L	T	P	Total	Theory	Practical	Total
1	Soil Geography	04	04	-	04	50	-	50

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Common Nature of Paper as per Social Sciences Faculty

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Soil Geography	III	Soil Geography	III

16. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR
B. A. Part-II Geography
(Introduced from June 2019 onwards)
Semester - III

(i) Course / Paper No. III

(ii) Title of Paper: - SOIL GEOGRAPHY

(iii) Specific Objectives: - ----------

(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

Module	Teaching Hours	Credits
Module I: Basics of Soil Geography	**12 Lectures**	**01**
1.1 Definition, Nature and Scope of Soil Geography		
1.2 History of Soil Geography and Pedology		
1.3 Significance of Soil Geography		
Module II: Soils: Formation and Properties	**18 Lectures**	**01**
2.1 Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor.		
2.2 Process of Soil Formation: Physical, Biotic and Chemical.		
2.3 Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature.		
2.4 Chemical Properties of Soils: P^H, Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).		
Module III: Soils: Classifications and Distribution	**18 Lectures**	**01**
3.1 Genetic Classification of Soils.		
3.2 Soil Characteristics and Major Soils Distribution in Maharashtra.		
3.3 Soil Degradation: Concept, Causes, Consequences and Measures		
Module IV: Practical (Theory Only)	**12 Lectures**	**01**
4.1 Soil Profile		
4.2 Soil Sample: Tools		
4.3 Soil Analysis: Saline and Alkaline		
4.4 Vermicompost Process		

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A- Accredited By NAAC

Revised Syllabus For

Bachelor of Arts

Geography

Resource Geography

(Subject to the modifications to be made from time to time)
Syllabus to be implemented from June 2019 onwards.

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
Bachelor/Master of

B. A. Part - II
DSC (Discipline Specific Core Course) Geography (Course / Paper No. IV)
Semester - III
June 2019 onwards

A] **Ordinance and Regulations:-**
(As applicable to degree/program)

B] **Shivaji University, Kolhapur**
New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – RESOURCE GEOGRAPHY
Optional/Compulsory/Additional/IDS under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

Resource Geography is a major and developing branch of Economic Geography. The world countries are trying to make overall development with blindly utilizing different resources. The growing population exerts its pressure on present resources which generates various problems infront of countryside. The present syllabus of this paper includes Definition, Scope, concept, classification and significance of Resource Geography. It also includes major resources such as water, forest, energy and human resources with its distribution, utilization and problems. Newly evolved concept sustainable development is also studied with said resources. This paper (Resource Geography) will helpful to the students of B. A. part-II to think over resources for their and next generations features.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER:

- **To understand the concept and classification of Resources.**
- **To examine the major resources (water, forest, energy and human) with their distribution, utilization and problems.**
- **To study the sustainable resource development.**
- **The course also aims to familiarize the students with cartographic techniques.**

5. DURATION

- **The course shall be a full time course.**

- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester

7. FEE STRUCTURE:-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

8. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FOURTH

Paper No.	**Title**	**Marks**
Course / Paper - IV,	**Resource Geography**	**50**

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				**Examination Scheme Sr. (Marks)**		
		L	T	P	Total	Theory	Practical	Total
1	Resource Geography	04	04	-	04	50	-	50

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Common Nature of Paper as per Social Sciences Faculty

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Human Geography	IV	Resource Geography	IV

16. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR

B. A. Part – II, DSC Geography

(Introduced from June 2019 onwards)

Semester - III

(i) Course / Paper No. IV

(ii) Title of Paper: Resource Geography

(iii) Specific Objectives:-

(iv) A brief note:- (On expected level of study from examination and assessment point of view) :- -----

Module	Teaching Hours	Credits
Module I: Introduction to Resource Geography	**10 Lectures**	**01**
1.1 Definition and Scope of Resource Geography		
1.2 Resource: Concept and Classification		
1.3 Importance of Resource Geography		
Module II: Major Resources	**20 Lectures**	**01**
2.1 Water Resources: Distribution, Utilization and Problems		
2.2 Forest Resources: Distribution, Utilization and Problems		
2.3 Energy Resources: Distribution, Utilization and Problems		
2.4 Human Resources: Distribution, Utilization and Problems		
Module III: Sustainable Resource Development	**18 Lectures**	**01**
3.1 Concept of Sustainable Resource Development		
3.2 Sustainable Natural Resource Development: Water, Forest and Energy		
3.3 Sustainable Human Resource Development		
Module IV: Practical (Theory Only)	**12 Lectures**	**01**
4.1 Proportional Circle		
4.2 Choropleth Map		
4.3 Dot Map		
4.4 Isopleth Map		

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SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM
Syllabus For
B.A. Part - II
Geography
(Syllabus to be implemented from June, 2019 onwards.)

B. A. Part - II
DSC (Discipline Specific Core Course) Geography (Course / Paper –V)
Semester - IV
June 2019 onwards

A] **Ordinance and Regulations:- (As applicable to degree/program)**

B] **Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of—Arts.**

1. TITLE: Subject – OCEANOGRAPHY

Optional under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

Oceanography which is the most important and comparatively neglected branch of Physical Geography has been introduced to B.A. Part II. In this course the fundamental as well basic concepts and knowledge of oceanography have been included. The present syllabus of this course includes definition nature, scope, history and significance of Oceanography and its relevance to the earth and atmospheric sciences; properties and dynamics of oceanic water, Oceanic currents and their influence and applied oceanography.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER

i) Students should know oceanography is the fundamental branch of Physical Geography.

ii) To familiarize the students with the basic and fundamental concepts of oceanography.

iii) With this study, students understand marine is key resource for the development of any country.

iv) Students should know physical and chemical properties of oceans.

v) Students should know types of oceanic currents and currents of Atlantic, Pacific and Indian oceans.

vi) Students should know hypsographic curve, wind rose, iso-salinity lines and isotherms.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

9. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

10. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the Course / programme concerned.)

11. STRUCTURE OF COURSE – 50 Marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				**Examination Scheme Sr. (Marks)**		
		L	T	P	Total	Theory	Practical	Total
1	Oceanography	04	04	-	04	50	-	50

12. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course / paper concerned.]

SECOND YEAR / SEMESTER – IV

Scheme of Teaching and Examination

13. SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING:-

[As Prescribed under rules & regulation for each degree/programme.]

15. NATURE OF QUESTION PAPER

NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-

Common Nature of Paper as per Social Sciences Faculty

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS - (FOR REVISED SYLLABUS)

Sr. No.	Title of Old paper	Old Paper No.	Title of New Paper	New Paper No.
1.	Oceanography	V	Oceanography	V

NEW/REVISED SYLLABUS FOR
B. A. (Part II) Geography
(Introduced from June 2019 onwards)
Semester - IV

(i) Course / Paper No. V

(ii) Title of Paper :- OCEANOGRAPHY

(iii) Specific Objectives:- ----------

(iv) A brief note :- (On expected level of study from examination and assessment point of view):- -----

Module	Teaching Hours	Credits
1.0 Introduction to Oceanography	**15** Lectures	**01**
1.1 Definition, Nature and Scope of Oceanography		
1.2 Oceanography and Physical Sciences		
1.3 Branches of Oceanography		
1.4 Significance of Oceanography		
2.0 Properties and Dynamics of Ocean	**15** Lectures	**01**
2.1 Oceanic Temperature: Factors affecting on ocean temperature and Distribution of oceanic temperature		
2.2 Salinity of Ocean: Factors affecting on Oceanic salinity and Horizontal distribution of oceanic salinity		
2.3 Oceanic Currents: Types of Oceanic currents, Responsible factors for origin of ocean currents and Ocean currents of the Pacific, Atlantic and Indian Ocean		
3.0 Applied Oceanography	**15** Lectures	**01**
3.1 Ocean or Marine deposits: Sources and Classification		
3.2 Ocean Resources – Biotic- Mineral and Energy Resources		
3.4 Ocean Pollution – Causes, Effects and Measures		
4.0 Practical's (Theory Only)	**15** Lectures	**01**
4.1 Hypsographic Curve		
4.2 Wind rose		
4.3 Isohalines		

4.4 Isotherms

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2. Grald, S. (1980) General Oceanography - An Introduction, John Wiley & Sons, New York.
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5. King, C.A.M(1975) Oceanography for Geographers E. Arnold, London .
6. Sharma, R.C. Vatel M. (1986)Oceanography for Geographers, Chetnya Publishing House,Allahabad.
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9. Weisberg, J. and Howard(1976) Introductory Oceanography, McGraw-Hill Book Co., NewYork.
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२०. पाध्ये अशोक (१९९८): सागरविज्ञान , नशनल बुक टष्ट इंडिया , नवी दिल्ली.

२१. घारपुरे , पवार (१९९८): सागरविज्ञान, पिंपळापुरे अंड कं. पब्लिशर्स , नागपूर.

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२३ . श्री. दाते व सौ. दाते (१९७०): प्राकृतिक भूगोल , रावील पब्लिकेशन, सातारा.

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SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM
Syllabus For
B.A. Part - II
Geography
(Syllabus to be implemented from June, 2019 onwards.)

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
Bachelor/Master of

B. A. Part - II
DSC (Discipline Specific Core Course) Geography (Course / Paper No. VI)
Semester - IV
June 2019 onwards

A] **Ordinance and Regulations:-**
(As applicable to degree/program)

B] **Shivaji University, Kolhapur**
New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – AGRICULTURAL GEOGRAPHY
Optional/Compulsory/Additional/IDS under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

Agricultural Geography is a major and developed branch of Economic Geography. Being a dominant economic activity it has a great importance in the developing world. The present syllabus of this paper includes Definition, Nature, Scope and significance of Agricultural Geography. It also includes determinants of Agriculture and Agricultural systems of the world. Agricultural regionalization, Green revolution and the modern technology used in agriculture are also of vital importance. To provide a strong theoretical base, models and theories of agricultural land use theories of Von Thune's is also incorporated. This paper of Agricultural Geography will helpful to the students of B. A. Part-II to sustainable agricultural development.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER:

- To understand the concept and development of Agriculture.
- To examine the role of agricultural determinants towards the changing cropping pattern.
- To study the Green Revolution.
- The course also aims to familiarize the students with the Agricultural concepts and modern technologies used in Agriculture.

5. DURATION

- **The course shall be a full time course.**

- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester

7. FEE STRUCTURE:-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

8. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FOURTH

Paper No.	Title Marks
Course / Paper VI, Agriculture Geography	50

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				**Examination Scheme Sr. (Marks)**		
		L	T	P	Total	Theory	Practical	Total
1	Agricultural Geography	04	04	-	04	50	-	50

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Common Nature of Paper as per Social Sciences Faculty

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Agricultural Geography	VI	Agricultural Geography	VI

16. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR

B. A. Part – II, DSC Geography

(Introduced from June 2019 onwards)

Semester - IV

(i) Course / Paper No. VI

(ii) Title of Paper: Agricultural Geography

(iii) Specific Objectives:-

(iv) A brief note:- (On expected level of study from examination and assessment point of view) :- -----

Module	Teaching Hours	Credits
Module I: Introduction to Agricultural Geography	**12 Lectures**	**01**
1.1 Definition, Nature, Scope and Significance of Agricultural Geography		
1.2 Evolution of agriculture: Ancient, Medieval and Modern Period		
1.3 Determinants of Agriculture: Physical and Human (economic, social, cultural, political and administrative)		
Module II: Agriculture: Systems and Land-use Theory	**18 Lectures**	**01**
2.1 Major Agricultural Systems: Nomadic Herding, Livestock Ranching, Sifting Cultivation, Intensive Subsistence Farming, Commercial Farming and Horticulture		
2.1 Von Thunen's Theory of Agricultural land-use		
Module III: Regionalization, Problems and Modern Concepts in Agriculture	**18 Lectures**	**01**
3.1 Methods of Agricultural Regionalization: Crop Combination and Crop Diversification		
3.2 Agricultural Problems: Physical and Non-Physical (Economic, Social, Cultural, Political and Administrative)		
3.3 Sustainable Agriculture		
Module IV: Practical (Theory Only)	**12 Lectures**	**01**
4.1 Line Graphs		
4.2 Bar Graphs		
4.3 Divided Circle		
4.4 Proportional Square		

References :

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2. Berry, B.J.L. et. al. : The Geography of Economic Systems. Prentice Hall, New York, 1976
3. Brown, L.R. : The Changing World Food Prospects – The Nineties and Beyond. World Watch Institute, Washington D.C., 1990
4. Cantor L.M. : A World Geography of Irrigation. Oliver and Bord, London, 1967.
5. Desai G.N. and Vaidhanathan A : Strategic Issues in Future Growth of Fertilizer Use in India. McMillan Pub., New Delhi, 1998.
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SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM

Draft Syllabus For

B.A. Part – II

GEOGRAPHY, GENERIC ELECTIVE (IDS)

(Syllabus to be implemented from June, 2019 onwards.)

B. A. Part - II
Cartography Course-I & II GE (IDS)
June 2019 onwards

1.**TITLE** : Subject – CARTOGRAPHY- I & II (GE)
Optional under the Faculty of Science

2. YEAR OF IMPLEMENTATION:- Revised Syllabus will be implemented from June 2019 onwards.

3. PREAMBLE:-

Cartography is the most important part of Geography. The present syllabus of this paper includes nature, scope, historical development and importance of cartography, study of maps and their types, map projections, surveying, S.O.I. Topomaps, I.M.D. weather maps, and introduction to modern techniques like computer, G.I.S., G.P.S. etc. In the process of development of science and technology, the changing nature of subject will make aware to the students about the modern technologies used in cartography. This will further help to improve the use of cartographic techniques and methods in teaching-learning and research work.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER :

1) To introduce the students with the importance of cartography.
2) To enable the students to understand map, concept of projection and concept of scale.
3) To give basic information to the students about S.O.I. top maps and I.M.D. weather maps.
4) To familiarize the students with the concept of surveying and different cartographic techniques and methods used for representation of demographic and physiosocio-economic database.
5) To aware the students with the modern technology like computer, GIS, GPS etc and their advantages over conventional cartography

5. **DURATION**

- The course shall be a full time course
- The duration of course shall be of one year (Two semesters, Sem. – III & IV)

6**. PATTERN** Pattern of Examination will be Semester

7. **FEE STRUCTURE**

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

9. **ELIGIBILITY FOR ADMISSION :** As per eligibility criteria prescribeed for each course and the merit list in the qualifying examination.

10. **MEDIUM OF INSTRUCTION :**

The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. **STRUCTURE OF COURSE- ---**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

B. A. Part - II

SEMESTER THIRD

Paper No.	Title	Marks
GE – I (IDS)	Cartography-I	50

SEMESTER FOURTH

Paper No.	Title	Marks
GE – II (IDS)	Cartography-II	50

12. SCHEME OF TEACHING AND EXAMINATION

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

SECOND YEAR

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Cartography Course - I	04	04	00	04	50	00	50
2	Cartography Course - II	04	04	00	04	50	00	50

13. **SCHEME OF EXAMINATION** :-

- The examination shall be conducted at the end of each semester
- The Theory paper shall carry 50 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. **STANDARD OF PASSING**:- As Prescribed under rules & regulation for each degree/programme.

15. **NATURE OF QUESTION PAPER AND SCHEME OF MARKING** :-

Common Nature of Paper as per Social Sciences Faculty

16. **EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old Paper		Title of New Paper	
1	Semester- III		Semester- III	
	Paper I	Cartography - I	Course - I	Cartography - I
	Semester- IV		Semester- IV	
	Paper II	Cartography - II	Course - II	Cartography - II

17. SPECIAL INSTRUCTIONS , IF ANY.

NEW/REVISED CBCS PATTERN SYLLABUS FOR
B. A. Part – II, Geography GENERIC ELECTIVE (IDS)
(Introduced from June 2019 onwards)
Semester – III

(i) Course / Paper No. I
(ii) Title of Paper: **Cartography-I**

	Module	Teaching Hours	Credits
Module – I	**Introduction to Cartography**	**15**	**01**
1.1	Meaning and Definitions of Cartography		
1.2	Nature and Scope of Cartography		
1.3	Branches of Cartography		
1.4	Importance of Cartography		
Module – II	**Geodetic and Plane Surveying**	**15**	**01**
2.1	Definition, Meaning and Objectives of Survey		
2.2	Geodetic surveying and Plane Surveying		
2.3	Plane Table Survey – Equipment and Procedure		
2.4	Digital Laser Distance Meter – Survey Procedure		
Module -III	**Map Projection**	**15**	**01**
3.1	Definition and Necessity of Map Projection		
3.2	Classification of Map Projections according to the Methods of Construction		
3.3	Mercator's Projections: Properties and Uses		
3.4	Choice of Map Projection		
Module – IV	**Representation of the Earth's Surface**	**15**	**01**
4.1	Globe and System of Coordinates		
4.2	Map: Definition, Elements and Methods of expression Of scale of map		
4.3	Types of maps by scale and purpose		
4.4	Enlargement and Reduction of Map by Square Method		

NEW/REVISED CBCS PATTERN SYLLABUS FOR
B.A. (Part II) Geography GENERIC ELECTIVE (IDS)
(Introduced from June 2019 onwards)
Semester – IV

(i) Course / Paper No. II
(ii) Title of Paper : Cartography - II

	Modules	Teaching Hours	Credits
Module – I	**Methods of Representation of Data by Graphs And Diagrams**	**15**	**01**
1.1	Line Graphs		
1.2	Bar Graphs		
1.3	Pie Diagram		
1.4	Population Pyramid		
Module – II	**Methods of Representation of Data by Distributional Maps**	**15**	**01**
2.1	Choropleth Method		
2.2	Isopleth Method		
2.3	Dot Method		
2.4	Traffic-Flow Cartogram		
Module -III	**Introduction to Topographical Maps**	**15**	**01**
3.1	Topographical Maps: Definition, Marginal Information		
3.2	Use of Conventional Signs, Symbols and Colours in S.O.I. Topographical Maps		
3.3	Methods of Representation of relief in S.O.I. Topographical Maps		
3.4	Types of Slopes by Contours		
Module – IV	**Introduction to Geographical Information System and Global Positioning System**	**15**	**01**
4.1	Geographical Information System: Definition, Elements and Functions		
4.2	Application of Geographical Information System		
4.3	Global Positioning System: Introduction, Definition and Segments		
4.4	Application of Global Positioning System		

References:

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6. Robinson, A.H. and Sale, R. D.: Elements of Cartography. John Wiley and Sons, Inc, New York 1969
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8. Singh, L.R. and Singh, R.: Mapwork and Practical Geography.Allahabad, 1973.

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१२. शिंदे, एस. बी. : नकाशाशास्त्रा प्रात्यक्षिक भूगोल, फडके प्रकाशन, कोल्हापूर, २००२

13. Cartography – Distance Education Department, Shivaji University, Kolhapur, 2002.

NOTE :

i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.

ii) General/Specific instructions for Laboratory safety should be given wherever necessary.

SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM

Draft Syllabus For

B. A. Part – II

Geography (GENERIC ELECTIVE)

CBCS PATTERN

(Syllabus to be implemented from June, 2019 onwards.)

B. A. Part - II
Resource Geography of Maharashtra, Course – I & II (IDS)
Semester – III and IV

1.**TITLE** : Subject – Resource Geography of Maharashtra (IDS)
Optional under the Faculty of Science
2. YEAR OF IMPLEMENTATION:- Revised Syllabus will be implemented from June 2019 onwards.
3. PREAMBLE:-
All of us are part and parcel of the Resource in Maharashtra. We will act as responsible citizens and participate proactively in all.

4. **GENERAL OBJECTIVES OF THE COURSE**
1) To understand the regional approach of Maharashtra State in geographical sence
2) To examine use and misuse of various resource in Maharashtra and to analyze future prospects.
3) To study various methods and approaches of conservation and management of Natural resources in Maharashtra.
4) To understand the concept of sustainable and integrated resource and is application.

5. **DURATION**
• The course shall be a full time course
• The duration of course shall be of one year (Two semesters Sem. – III & IV)

6**. PATTERN** Pattern of Examination will be Semester

7. **FEE STRUCTURE**
As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

9. **ELIGIBILITY FOR ADMISSION :** As per eligibility criteria prescribeed for each course and the merit list in the qualifying examination.

10. **MEDIUM OF INSTRUCTION :**
The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. **STRUCTURE OF COURSE- ---**
(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.

B. A. Part - II

SEMESTER THIRD

Paper No.	Title	Marks
GE – I	Resource Geography of Maharashtra-I	50

SEMESTER FOURTH

Paper No.	Title	Marks
GE – II	Resource Geography of Maharashtra-II	50

12. SCHEME OF TEACHING AND EXAMINATION

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

SECOND YEAR

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Resource Geography of Maharashtra - I Course - I	**04**	**04**	**00**	**04**	**50**	**00**	**50**
2	Resource Geography of Maharashtra - II Course –II	**04**	**04**	**00**	**04**	**50**	**00**	**50**

13. **SCHEME OF EXAMINATION** :-

• The examination shall be conducted at the end of each semester

• The Theory paper shall carry 50 marks

• The evaluation of the performance of the students in theory papers shall be on the basis of semester Examination of 50 marks.

• Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. **STANDARD OF PASSING**:- As Prescribed under rules & regulation for each degree/programme.

15. **NATURE OF QUESTION PAPER AND SCHEME OF MARKING** :-

Common Nature of Paper as per Social Sciences Faculty

16. **EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old Paper		Title of New Paper or Course	
1	Semester- III		Semester- III	
	Paper-I	Resource Geography of Maharashtra -I	Course -I	Resource Geography of Maharashtra - I
	Semester- IV		Semester- IV	
	Paper-II	Resource Geography of Maharashtra - II	Course -II	Resource Geography of Maharashtra - II

17. SPECIAL INSTRUCTIONS , IF ANY.

NEW/REVISED CBCS PATTERN SYLLABUS FOR
B. A. Part - II Geography GENERIC ELECTIVE **(IDS)**
(Introduced from June 2019 onwards)
Semester – III

(i) Course / Paper No. I
(ii) Title of Paper: **Resource Geography of Maharashtra-I**

Modules	Teaching Hours	Credits
Module – I: Introduction	**15**	**01**
1.1 Location of Maharashtra 1.2 Physiography 1.3 Climate 1.4 Drainage Pattern		
Module – II: Resources	**15**	**01**
2.1 Definition and Classification of resources 2.2 Conservation and sustainable development of resources 2.3 Role of resources in regional development		
Module – III: Mineral and power resources in Maharashtra	**15**	**01**
Importance, Distribution and Production of 3.1 Manganese 3.2 Coal 3.3 Conventional Power Resources: Oil, Natural Gas, Hydroelectricity & Thermal power 3.4 Non- conventional Power Resource – Solar and Wind		
Module – III: Water and Soil Resources in Maharashtra	**15**	**01**
4.1 Sources of irrigation and distribution 4.2 Water Management 4.3 Major soil types and their distribution 4.4 Need of conservation and sustainable development of soil resources.		

References:

1. B. Arunchalm, Regional Geography of Maharashtra
2. B.D. Nag Choudhary, "Inhoduction to Enviroment Management" Inter Prind Mehata House, New Delhi.
3. Brucu Mitchell "Geography and resources analysis" John willey and sons, New York.
4. C.D. Deshpande, "Geography of Maharashtra" National book Trust of India, New Delhi.
5. Cutler L, Renwick H.L. Exploitation conservation and preservation : A Geographical perspective and natural resource use, Rowmon and Allanhed, Towata.
6. Govt. of Maharashtra "Economic development of Maharashtra." (Maharashtra Economic Development Council)
7. Karve "Maharashtra – Land and People
8. Dixit K.R., "Maharashtra in Maps"
9. Matthews O.P., "Water resources Geopgraphy and Laow, Scientific Publishers, Jodhapur.
10. Deshpande, S.H. "Economy of Maharashtra"
11. खतीब के. ए., महाराष्ट्राचा भूगोल मेहला पब्लिशिंग हाऊस, पुणे

12. सावंत प्रकाश – महाराष्ट्राचा भूगोल, फडके प्रकाशन, कोल्हापूर
13. पाटील टी.पी. – महाराष्ट्राचा भूगोल
14. सवदी ए. बी – द मेगा स्टेट महाराष्ट्र, निराली प्रकाशन, पुणे
15. दास्ताने संतोष – महाराष्ट्र दास्ताने रामचंद्र आणि कंपनी, पुणे (2005)
16. देशपांडे चं. धु. – महाराष्ट्रचा भूगोल, अनुवादक मो. द. तावडे
17. सवदी ए.बी. – महाराष्ट्राचा भूगोल निराली प्रकाशन पुणे (1999)
18. दाते एस. पी. – महाराष्ट्राचा साधन संपत्तीचा भूगोल, नॅशनल बुक स्टेट ऑफ इंडिया, नवी दिल्ली
19. सामंत जयकुमार – पर्यावरण शास्त्रा शिवाजी विदयापीठ प्रकाशन कोल्हापूर
20. Resource Geography of Maharashtra (IDS) – Distance Education Department, Shivaji

General Elective – II (IDS)
Semester – IV

(i) Course / Paper No. II
(ii) Title of Paper : Resource Geography of Maharashtra-II

Modules	Teaching Hours	Credits
Module – I Forest Resources in Maharashtra	**15**	**01**
1.1 Importance of forest resources		
1.2 Types and Distribution of forest		
1.3 Deforestation causes and effects		
1.4 Conservation of forest resource		
Module – II Animal Husbandry and Fisheries in Maharashtra	**15**	**01**
2.1 Types of animals and their distribution		
2.2 Animals production (milk, meet, skin, hide, wool, eggs)		
2.3 Conservation of Animals		
2.4 Types of fisheries and their distribution		
2.5 Conservation of fisheries		
Module – III Human resource in Maharashtra	**15**	**01**
3.1 Man as a resource		
3.2 Growth of population		
3.3 Distribution of population		
3.4 Composition of population		
3.5 Population pressure on resources in Maharashtra		
Module – IV Practical (Theory only)	**15**	**01**
Resource survey		
4.1 Water		
4.2 Soil		
4.3 Population		
4.4 Animal		

References:

1. B. Arunchalm, Regional Geography of Maharashtra

2. B.D. Nag Choudhary, “Inhoduction to Enviroment Management” Inter Prind Mehata House, New Delhi.
3. Brucu Mitchell “Geography and resources analysis” John willey and sons, New York.
4. C.D. Deshpande, “Geography of Maharashtra” National book Trust of India, New Delhi.
5. Cutler L, Renwick H.L. Exploitation conservation and preservation : A Geographical perspective and natural resource use, Rowmon and Allanhed, Towata.
6. Govt. of Maharashtra “Economic development of Maharashtra.” (Maharashtra Economic Development Council)
7. Karve “Maharashtra – Land and People
8. Dixit K.R., “Maharashtra in Maps”
9. Matthews O.P., “Water resources Geopgraphy and Laow, Scientific Publishers, Jodhapur.
10. Deshpande, S.H. “Economy of Maharashtra”
11. खतीब के. ए., महाराष्ट्राचा भूगोल मेहला पब्लिशिंग हाऊस, पुणे
12. सावंत प्रकाश – महाराष्ट्राचा भूगोल, फडके प्रकाशन, कोल्हापूर
13. पाटील टी.पी. – महाराष्ट्राचा भूगोल
14. सवदी ए. बी – द मेगा स्टेट महाराष्ट्र, निराली प्रकाशन, पुणे
15. दास्ताने संतोष – महाराष्ट्र दास्ताने रामचंद्र आणि कंपनी, पुणे (2005)
16. देशपांडे चं. धु. – महाराष्ट्रचा भूगोल, अनुवादक मो. द. तावडे
17. सवदी ए.बी. – महाराष्ट्राचा भूगोल निराली प्रकाशन पुणे (1999)
18. दाते एस. पी. – महाराष्ट्राचा साधन संपत्तीचा भूगोल, नॅशनल बुक स्टेट ऑफ इंडिया, नवी दिल्ली
19. सामंत जयकुमार – पर्यावरण शास्त्रा शिवाजी विदयापीठ प्रकाशन कोल्हापूर
20. Resource Geography of Maharashtra (IDS) – Distance Education Department, Shivaji

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
Bachelor/Master of

B.A. Part-II Geography
Generic Elective (IDS) Sem. – III, Course - I
Tourism Geography
Syllabus to be implemented from June - 2019 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] **Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – CONCEPTS IN TOURISM GEOGRAPHY

Optional/Compulsory/Additional/General Elective under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

All of us are part and parcel of the earth's environment. We will act as responsible citizens and participate proactively in all tourism activity to preserve the natural and cultural environment and leave for future nerations in its nativeness.

4. NERAL OBJECTIVES OF THE COURSE/ PAPER/:

(As applicable to the Degree /Subject- Paper concerned)

1) To familiarize the students with aspects of tourism which have a relation with the subject matter of Geography
2) To orient the students to the logistics of tourism industry and the role of tourism in regional development.
3) To understand the impact of tourism on physical and human environments.
4) To familiarize the students with local, regional and national tourism.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/colle, the respective colles/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

9. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

10. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

11. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER THIRD

Paper No.	**Title**	**Marks**
IDS (GE) – Course-I,	**Concepts of Tourism Geography**	**50**

12. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject or Paper	Teaching Scheme (Hrs./Week)				Examination Scheme (Marks)	
		L	T	P	Total	Theory	Total
1	Concepts in Tourism Geography (Sem. III)	4	4	-	4	50	50

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Common Nature of Paper as per Social Sciences Faculty

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Introduction ofTourism Geography	I	Concepts in Tourism Geography	Course - I

17. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR
B. A. Part-II Geography, IDS (Generic Elective)
(Introduced from June 2019 onwards)
Semester - III

(i) Course / Paper No. I

(ii) Title of Paper :- CONCEPTS IN TOURISM GEOGRAPHY

(iii) Specific Objectives:- ----------

(iv) A brief note :- (On expected level of study from examination and assessment point of view):- -----

Module	**No. of** Credits
Module I: INTRODUCTION TO TOURISM GEOGRAPHY	**01**
1.1 Definition of Tourism and Tourist	
1.2 Nature of Tourism Geography	
1.3 Scope of Tourism Geography	
1.4 Historical development of Tourism	
1.5 Significance of Tourism Geography	
Module II: Component of Tourism	**01**
2.1 Geographical components	
2.2 Social components	
2.3 Cultural components	
2.4 Other components	
Module III: Classification and Recent Trends in Tourism	**01**
3.1 Classification on the basis of Nationality, Time, Number of tourist, Objectives, Transportation, Season, and Nature of Tourism.	
3.2 Recent trends in Tourism	
Module IV: Impact of Tourism	**01**
4.1 Economic impact	
4.2 Socio-Cultural impact	
4.3 Impact on Environment	
4.4 Sustainable development of Tourism	

REFERENCES

1. Bhatia A.K. : International Tourism
2. Bhatia A.K. : Tourism Development
3. Dev Manoj : India – A Toruist Paredise
4. Dhar Pramnath : Development of Tourism and Travel Industry
5. Gupta V.N. : Tourism in India
6. Negi Jagmohan : Tourism Development and Resource Conservation 28
7. Pearce Donglas : Tourism Development
8. Robinson R. : Geography of Tourism
9. Sharma K.C. : Tourism : Policy, Planning stategy.
10. Seth Pran : Enlessful Tourism Manament
11. Sinha P.C. : Tourism Marketing
12. Singh Shawni : Principles of Indian Tourism
13. Singh S.N. : Geography of Tourism and Recreation
14. Singh Ratandeep : Tourism Today Vol. 1
    Tourism Today Vol. 2
    Tourism Today Vol. 3

15- शिंदे एस. बी. : पर्यटन भूगोल

16- घारपुरे व्ही. टी. : पर्यटन भूगोल, पिंपळापुरे पुब्लीशर्स, नागपूर.

17 Geography of Tourism – Distance Education Department, Shivaji University, Kolhapur

NOTE :

i) The details of field work, seminar, Group Discussion and Oral examination be give wherever necessary.

ii) neral/Specific instructions for Laboratory safety should be given wherever necessary.

घारपुरे व्ही. टी. : पर्यटन भूगोल, पिंपळापुरे पुब्लीशर्स, नागपूर.

With'A" Grade
New/Revised Syllabus For
Bachelor/Master of

B.A. Part-II Geography
Generic Elective (IDS) Sem. – IV, Course - II

Tourism Geography (GE)

Syllabus to be implemented from June - 2019 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] **Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – DEVELOPMENT AND PLANNING OF TOURISM

Optional/Compulsory/Additional/ under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2019 onwards.

3. PREAMBLE:-

All of us are part and parcel of the earth's environment. We will act as responsible citizens and participate proactively in all tourism activity to preserve the natural and cultural environment and leave for future nerations in its nativeness.

4.GENERAL OBJECTIVES OF THE COURSE/ PAPER/:

(As applicable to the Degree /Subject- Paper concerned)

1) To familiarize the students with aspects of tourism which have a relation with the subject matter of Geography
2) To orient the students to the logistics of tourism industry and the role of tourism in regional development.
3) To understand the impact of tourism on physical and human environments.
4) To familiarize the students with local, regional and national tourism.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/colle, the respective colles/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

9. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

10. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

11. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER THIRD

Paper No.	**Title**	**Mark**
Course – II,	**DEVELOPMENT AND PLANNING OF TOURISM**	**50**

12. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject or Paper	Teaching Scheme (Hrs./Week)				Examination Scheme (Marks)	
		L	T	P	Total	Theory	Total
1	Development and Planning of Tourism (Sem. IV)	4	4	-	4	50	50

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Common Nature of Paper as per Social Sciences Faculty

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Introduction to Tourism Geography	II	Development and Planning of Tourism	Course -II

17. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR

B. A. Part-II Geography, IDS (Generic Elective)
(Introduced from June 2019 onwards)
Semester - IV

(i) Course / Paper No. II

(ii) Title of Paper :- DEVELOPMENT AND PLANNING OF TOURISM

(iii) Specific Objectives:- ----------

(iv) A brief note :- (On expected level of study from examination and assessment point of view):- -----

Module	**No. of** Credits
Module I: Development and Planning of Tourism in India 1.1 Tourism in ancient period 1.2 Tourism in modern period 1.3 Role of tourism in national economy 1.4 Tourism planning in India	**01**
Module II: Tourism Centers in India 2.1 Natural tourism centers in India 2.2 Religious tourism centers in India 2.3 Cultural tourism centers in India 2.4 Historical tourism centers in India	**01**
Module III: Development and Planning of Tourism in Maharashtra 3.1 Development of tourism in Maharashtra 3.2 Planning of tourism in Maharashtra	**01**
Module IV: Tourism Centers in Maharashtra 4.1 Natural tourism centers in Maharashtra 4.2 Religious tourism centers in Maharashtra 4.3 Cultural tourism centers in Maharashtra 4.4 Historical tourism centers in Maharashtra	**01**

REFERENCES

1. Bhatia A.K. : International Tourism
2. Bhatia A.K. : Tourism Development
3. Dev Manoj : India – A Toruist Paredise
4. Dhar Pramnath : Development of Tourism and Travel Industry
5. Gupta V.N. : Tourism in India
6. Negi Jagmohan : Tourism Development and Resource Conservation 28

7. Pearce Donglas : Tourism Development

8. Robinson R. : Geography of Tourism

9. Sharma K.C. : Tourism : Policy, Planning stategy.

10. Seth Pran : Enlessful Tourism Manament

11. Sinha P.C. : Tourism Marketing

12. Singh Shawni : Principles of Indian Tourism

13. Singh S.N. : Geography of Tourism and Recreation

14. Singh Ratandeep : Tourism Today Vol. 1

Tourism Today Vol. 2

Tourism Today Vol. 3

15- शिंदे एस. बी. : पर्यटन भूगोल

16- घारपुरे व्ही. टी. : पर्यटन भूगोल, पिंपळापुरे पुब्लीशर्स, नागपूर.

17 Geography of Tourism – Distance Education Department, Shivaji University, Kolhapur

NOTE :

i) The details of field work, seminar, Group Discussion and Oral examination be give wherever necessary.

ii) neral/Specific instructions for Laboratory safety should be given wherever necessary.

घारपुरे व्ही. टी. : पर्यटन भूगोल, पिंपळापुरे पुब्लीशर्स, नागपूर.

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Geography
(Evolution of Geographical Thought)

CBCS PATTERN
Syllabus to be implemented from

(Subject to the modifications to be made from time to time)

Syllabus to be implemented from June 2020 onwards

B. A. Part – III & B. A. B. Ed. Geography
(Evolution of Geographical Thought)
Sem-V
Syllabus to be implemented from June 2020 onwards

1.TITLE : Evolution of Geographical Thought

Optional under the Faculty of Science

2. YEAR OF IMPLEMENTATION :

Revised Syllabus will be implemented from June 2020 onwards.

3. PREAMBLE

This curriculum focuses on the understanding of core and fundamental branches of the discipline. This paper is specially designed to cater to foundation building of the students by imparting knowledge about the pillars of geography. It encompasses the evolution of the subject right from the experiences and understanding of travelers and explorers regarding space, place and people to the progression towards establishment of the discipline geography in sciences.

4. GENERAL OBJECTIVES OF THE COURSE

1) To study the historical evolution of geographic thought.
2) An analysis of different paradigms in geography.
3) To evaluating the contemporary trends in geographical studies.
4) To study the paradigms and debates in the geographical studies.
5) To study the recent trends in geography.

5. COURSE OUTCOMES

1) Student should be able to understand in-depth about the Evolution of Geographical Thought.
2) Students should be able to analyse the recent trends in geography.
3) Student should be able to make use of various models of paradigms and debates in the geographical studies.
4) Understanding of recent trends in geography.

6. DURATION

- The course shall be a full time course
- The duration of course shall be of one year (Sem. – V)

7. PATTERN

Pattern of Examination will be Semester

8. FEE STRUCTURE

(As per the Shivaji University rules; and as applicable to regular)

9. ELIGIBILITY FOR ADMISSION :

As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

10. MEDIUM OF INSTRUCTION :

The medium of instruction shall be in English or Marathi. (as applicable to the course /programme concerned.)

11. STRUCTURE OF COURSE 50 MARKS

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FIFTH

Paper No.	Title	Marks
DSE-E106 or VII,	Evolution of Geographical Thought	50

12. SCHEME OF TEACHING AND EXAMINATION

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Evolution of Geographical Thought	04	04	00	04	40	10	50

13. SCHEME OF EXAMINATION :

- The examination shall be conducted at the end of each semester
- The theory paper shall carry 40 marks
- The term work shall carry 10 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree/ programme.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING :

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question : 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Physical Geography of India	VII	Evolution of Geographical Thought	E106 or VII

17. SPECIAL INSTRUCTIONS, IF ANY.

NEW/REVISED SYLLABUS FOR
B. A. Part-III and B. A. B. Ed. Geography
(Introduced from June 2020 onwards)
Semester - V

(i) E106 or Paper No. VII
(ii) Title of Paper: Evolution of Geographical Thought

Module	Teaching Hours	Credit
Module – I Geography in Ancient Period	**15**	**1**
1.1 Contribution of Greeks and Romans		
1.2 Arab Geographical Thoughts		
1.3 Indian Geographical Thoughts		
1.4 Exploration and Development of Geography		
Module – II Schools of Geography	**15**	**1**
2.1 German School of Geography – Alexander von Humboldt		
2.2 French School of Geography – Vedal de la Blache		
2.3 American School of Geography – William Moris Davis		
2.4 British School of Geography – Halford J. Mackinder		
Module – III Dualisms in Geography	**15**	**1**
3.1 Determinism Vs Possibilism		
3.2 Systematic Vs Regional geography		
3.3 Physical Vs Human geography		
3.4 Historical Vs Contemporary		
Module – IV Trends in Geography	**15**	**1**
4.1 Quantitative Revolution		
4.2 Model Building in Geography		

4.3 Man-nature relationship: Radicalism, Behaviourism and Humanism

4.4 Future of Geography

Books Recommended :

Adhkari, S. (2006) *Fundamentals of Geographical Thought*, Chaitanya Publishing House, Allahabad.

Bunkse, V.E. (2004) *Geography and the art of Life*, John Hopkins University Press, Bailtimore,

Dikshit, R. D. (1997). *Geographical Thought: A Contextual History of Ideas*. Delhi, India: Prentice– Hall India.

Dixit, R.D. (2001) *Geographical Thought : A critical History of ideas*, Prentice Hall of India, New Delhi

Dixit, R.D. (2001) *भौगोलिक चिंतन*, Prentice Hall of India, New Delhi

Gaile, G. and Wilmot, C. (ed) (2003) *Geography in America at the Dawn of the 21st Centrury*, Oxford University Press, Oxford & New York.

Harvey, David., (1969): *Explanation in Geography*, London: Arnold.

HubbarD, P.et al (2002) *Thinking Geographically : Space, Theory and Contemporary Human Geography*, Continuum, London

Johnston, R.J. (1988) *The Future of Geography*, Methuen, London,

Johnston, R.J. and Claval, P. (1984) *Geography since the Second World War : An International survey*, Crown Haim, Sydney**.**

Majid Husain (2007)**:** *Evolution of Geographic Thought* Rawat Publication, Jaipur

Marcus, D. (1999) *Post – Structuralism in Geography, The Diabolical Arts of Spatial Sciences*, Edinburgh University Press, Edinburgh.

Martin Geoffrey J. (2005). *All Possible Worlds: A History of Geographical Ideas*, UK: Oxford.

Singh, R.B. (2016). *Progress in Indian Geography*. New Delhi, India: Indian National Science Academy.

Sudeepta, A. (2015). *Fundamentals of Geographical Thought*. Delhi, India: Orient black swan private limited.

e-PG Pathshala: https://epgp.inflibnet.ac.in/

MOOCS - NPTEL: https://nptel.ac.in/

MOOCS - SWAYAM: https://swayam.gov.in/

National Digital Library of India: https://ndl.iitkgp.ac.in/

Shivaji University Library (E-Resources): http://www.unishivaji.ac.in/library/E-Resources

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Geography
(Economic Geography)

CBCS PATTERN
Syllabus to be implemented from

(Subject to the modifications to be made from time to time)
Syllabus to be implemented from June 2020 onwards

B. A. Part – III & B. A. B. Ed.

Geography (Economic Geography)

Syllabus to be implemented from June 2020 onwards

Semester-VI

1.TITLE : Economic Geography

Optional under the Faculty of Science

2. YEAR OF IMPLEMENTATION :

Revised Syllabus will be implemented from June 2020 onwards.

3. PREAMBLE

[Note :- The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

4. GENERAL OBJECTIVES OF THE COURSE

6) To study the basics of economic geography.
7) To study the locational factors of economic activities with special reference to agriculture and industry.
8) To study the basics concepts related to manufacturing and major manufacturing industries of selected countries of the world.
9) To study the transport and trade.

5. COURSE OUTCOMES

5) In depth understanding about the economic geography.
6) Detailed knowledge about locational factors of economic activities with special reference to agriculture and industry.
7) Detailed understanding of the basics concepts related to manufacturing and major manufacturing industries (selected countries) of the world.
8) Understanding of the transport and trade.

6. DURATION

- The course shall be a full time course
- The duration of course shall be of one year (Sem. – VI)

7. PATTERN

Pattern of Examination will be Semester

8. FEE STRUCTURE

(As per the Shivaji University rules; and as applicable to regular)

9. ELIGIBILITY FOR ADMISSION :

As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

10. MEDIUM OF INSTRUCTION :

The medium of instruction shall be in English or Marathi. (as applicable to the course /programme concerned.)

11. STRUCTURE OF COURSE 50 MARKS

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER SIX

Paper No.	Title Marks
DSE-E231 or X, Economic Geography	**50**

12. SCHEME OF TEACHING AND EXAMINATION

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Economic Geography	04	04	00	04	40	10	50

14. SCHEME OF EXAMINATION :

- The examination shall be conducted at the end of each semester
- The theory paper shall carry 40 marks
- The term work shall carry 10 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

15.STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree/ programme.

16.NATURE OF QUESTION PAPER AND SCHEME OF MARKING :

(Unit wise weightage of marks should also be mentioned)

Semester -VI		Marks
Question: 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

17. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Economic Geography of India	X	Economic Geography	DSE-E231 or X

18. SPECIAL INSTRUCTIONS, IF ANY.

NEW/REVISED SYLLABUS FOR
B. A. Part-III and B. A. B. Ed. Geography
(Syllabus to be implemented from June 2020 onwards)
Semester - VI

(iii) E231 or Paper No. X
(iv) Title of Paper: Economic Geography

Module	Teaching Hours	Credit
Module – I Introduction to Economic Geography	**15**	**1**
1.1 Definition, Nature and Scope		
1.2 Concept and Classification of Economic Activity		
1.3 Branches of Economic Geography		
1.4 Significance of Economic Geography		
Module – II Economic Activity	**15**	**1**
2.1 Factors Affecting on Location of Agricultural Activity		
2.2 Factors Affecting on Location of Industrial Activity		
2.3 Alfred Weber's Theory of Industrial Location		
Module – III Manufacturing Activity	**15**	**1**
3.1 Concept of Manufacturing Region		
3.2 Concept of Special Economic Zone		
3.3 Major Industries: i) Cotton Textile Industry - USA		
ii) Iron and Steel Industry – USA		
iii) Sugar Industry – Brazil		
iv) Automobile Industry – India		
Module – IV Transport and Trade	**15**	**1**
4.1 Significance of Transportation		
4.2 Major Transport Routs: Roadway, Railway, Airway and Ocean Routs		

4.3 International Trade: India and USA

4.4 Trade Policies: India and USA

Books Recommended:

References

Alexander J. W., (1963): Economic Geography, Prentic Hall Inc Englewood Cliffs, New Jersey.

Boesch H. (1964) : A Geography of world Econimy" D. Van Nostrand co. New york.

Coe N. M., and others, (2007): Economic Geography: A Contemporary Introduction, Wiley-Blackwell.

Combes P., Mayer T. and Thisse J. F., (2008) Economic Geography: The Intergration of Regions and Nations, Princeton University Press.

Goh Chang & morgan, G.C. (1997): Human and Economic Geography, oxford University Press.

H. Robinson (1978): Economic Geography, Macdonaid & Evans.

Hamilton, I (1992) : Resources and Jndurtry, Oxford University Press New York.

Hartshorn, T.N. and Alexander, J.W. (1994): Economic Geography, prentice Hall, New Delhi.

Hodder B. W. and Lee Roger, (1974): Economic Geography, Taylor and Francies.

Meyer, B. S., Aanderson, D. B. and Bohning, R. H. (1960): An Introduction to Plant Physiology, Von Nostrand Company, New York.

Roborstson D (2001) : Globalization and Environment E. elgar CO.U.K.

Sadhukhan S. K., (1990): Economic Geography An Appraisal of Resources, S. Chand and Company Ltd., New Delhi.

Truman A. Hartshorn and John W. Alexander, (1988): Economic Geography, PHI Learning Private Limited, New Delhi.

Walker, D. F., Collins, L. (Eds.), (1975): Locational Dynamics of Manufacturing Activity, John Wiley and Sons, New York.

Wheeler J. O., (1995) : Economic Geography John wiely, New York.

White H.P. and senior M.L. (1983) Transport Geography, Longman, London.

Willington D. E., (2008): Economic Geography, Husband Press.

Zimmermann, E. W., (1933): World's Resources and Industries, Harper and Row, New York.

खतीब के. ए. — आर्थिक भूगोल, अजब प्रकाशन, कोल्हापूर

धारपूरे विठ्ठल — आर्थिक भूगोल, पिंपळापुरे ॲण्ड कं, नागपूर

सवदी, कोळेकर — आधूनिक भूगोल, निराली प्रकाशन, पुणे.

सवदी कोळेकर (२००८) — भूगोलाची मुलतत्वे, खंड दुसरा, निराली प्रकाशन

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Geography of India

CBCS PATTERN

(Subject to the modifications to be made from time to time)

Syllabus to be implemented from June 2020 onwards

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For

B. A. Part – III / B. A. B. Ed.

DSE (Discipline Specific Elective) – E107 (Paper No. VIII) Geography (Sem. V)

Syllabus to be implemented from June 2020 onwards

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] **Shivaji University, Kolhapur**

New/Revised Syllabus for Bachelor of Arts and B. A. B. Ed**.**

1. TITLE: Subject – GEOGRAPHY OF INDIA

Optional/Compulsory/Additional/IDS under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2020 onwards.

3. PREAMBLE:-

The present course focuses on the studies of Geography of India should briefly mention foundation, core and applied components. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge of physiography, climate, drainage, soils, vegetation, agriculture and industry etc.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:

(As applicable to the Degree /Subject- Paper concerned)

1) To acquaint the students with distinct dimensions of India and physical setup of the country.

2) To focus the climate of India and mechanism of monsoon of India.

3) To get information about soils and vegetations in India.

4) To help the students to understand recent trends in regional study.

5) To focus on the mineral, agricultural and industrial product of the country.

6) To understand the economic setup of the country.

4.1 COURSE OUTCOMES

1) In depth understanding the dimensions and physiography of India.

2) The students are fully aware about the climatic seasons in India.

3) Detailed knowledge about soils, vegetations, drainage systems in India.

4) Understanding an importance of agriculture and industry in Indian economy.

5) Detailed knowledge about the economic setup of the India.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

8. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FIFTH

Paper No.	Title	Marks
E107 (DSE)/Paper No. VIII,	Geography of India	50

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme (Marks)			
		L	T	P	Total	Theory	Practical	Term work	Total
1	Geography of India	04	04	-	04	40	-	10	50

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks and term work shall carry 10 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question: 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Economic Geography	VIII	Geography of India	DSE-E 107 Or VIII

16. SPECIAL INSTRUCTIONS, IF ANY – Nil

New/ Revised syllabus for

B. A. Part-III and B. A. B. Ed. (Semester -V)

(Syllabus to be implemented from June 2020 onwards)

(i) Paper – E107 or VIII

(ii) Title of Paper - Geography of India.

(iii) Specific Objectives: ----------

(iv) A brief note: - (On expected level of study from examination and assessment point of view) :- -----

Module	**Lectures**	**Credit**
Module -I) Physical Profile of India	**20**	**1**

1.1) Location (Absolute and Relative)

1.2) Physiographic Divisions (Characteristics and Importance)

1.3) Climate: Summer, Rainy and Winter Seasons in India (weather conditions and Characteristics)

1.4) Major Drainage Systems: a) Northern River Systems (Sindhu, Ganga & Brahmaputra)

b) Southern River Systems (Godavari, Krishna & Cauvery)

(Characteristics and Importance)

Module -II) **Soils and Forests**	**14**	**1**

2.1 Major soil types, characteristics and its distribution in India

2.2 Soil degradation and soil conservation in India

2.3 Major forest types: characteristics and their distribution

2.4 Deforestation and conservation of forests in India

Module -III) **Mineral and Power Resources**	**13**	**1**

3.1 Conventional Resources: Iron Ore and Manganese (Distribution, Production and Trade)

3.2 Power Resources: Coal and Mineral Oil (Distribution, Production and Trade)

3.2 Non Conventional Resources: Solar and Wind (Distribution, Production and Trade)

Module -IV) Agriculture and Industry **13** **1**

4.1 Importance of Agriculture in Indian Economy.

4.2 Major Crops: Rice and Sugarcane (Distribution, Production and Trade)

4.3 Importance of Industries in Indian Economy.

4.4 Industries: Location Factors, Sugar Industry, Iron and Steel Industry and Fertilizer Industry (Distribution, Production and Trade)

References:

1. Majid H., (2013): Geography of India, Tata Mcgraw Hill Education (India) Private Limited, New Delhi.
2. Khullar R. D. (2007): India- A Compressive Geography, Kalayani Publisher.
3. Tiwari, R.C. (2007) Geography of India. Prayag Pustak Bhawan, Allahabad.
4. Singh R. L., (1971): India: A Regional Geography, National Geographical Society of India.
5. Deshpande C. D., (1992): India: A Regional Interpretation, ICSSR, New Delhi.
6. Johnson, B. L. C., ed. (2001). Geographical Dictionary of India. Vision Books, New Delhi.
7. Mandal R. B. (ed.), (1990): Patterns of Regional Geography – An Intenational Perspective. Vol. 3 –
8. Indian Perspective.
9. Sdyasuk Galina and Sengupta P., (1967): Economic Regionalisation of India, Census of India
10. Sharma, T. C. 2003: India - Economic and Commercial Geography. Vikas Publ., New Delhi.
11. Singh, J., (2003),: India - A Comprehensive & Systematic Geography, Gyanodaya Prakashan, Gorakhpur.
12. Spate O. H. K. and Learmonth A. T. A., (1967): India and Pakistan: A General and Regional
13. Geography, Methuen.

14. Tirtha, R., (2002): Geography of India, Rawat Publs., Jaipur & New Delhi.
15. Pathak, C. R. (2003): Spatial Structure and Processes of Development in India. Regional Science
16. Assoc., Kolkata.
17. Sharma, T.C. (2013): Economic Geography of India. Rawat Publication, Jaipur.
18. Savadi, Kolekar: Bharatacha Samarag Bhugol, Nirali Prakashan, Pune.
19. Khatib K. A.,: Geography of India
20. Pawar C.T. & Others : Geography of India.
21. Soil and Water conservation manual Govt. of India.

SHIVAJI UNIVERSITY, KOLHAPUR.

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Revised Syllabus For

Bachelor of Arts Part III and B. A. B. Ed.

Geography

(Choice Based Credit System)

Semester-VI

Urban Geography

Or

Regional Planning and Sustainable Development

(Subject to the modifications to be made from time to time)

Implemented From June, 2020 onward

B. A. Part – III & B. A. B. Ed.
Geography (Urban Geography), Semester-VI
Implemented From June, 2020 onward

A] **Ordinance and Regulations:-**
(As applicable to degree/programme)

B] **Shivaji University, Kolhapur**
Revised Syllabus For **B. A. Part – III and B. A. B. Ed.**

1. TITLE: Subject – Urban Geography

2. **FACULTY of SCIENCE:-** Optional under the Faculty of Science

3. YEAR OF IMPLEMENTATION: - Revised Syllabus will be implemented from June 2020 onwards.

4. **PREAMBLE:-**

[Note: - The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

5. GEUNERAL OBJECTIVES OF THE COURSE:

1) To Study the basic of Urban Geography.
2) To Study the types of Urban Settlements, Site and Situations.
3) To get an ideas of relationship between human activities and urban development.
4) To make the students capable for handling the present problematic situation in Urban and rural areas.
5) To make students as a good urban planner and environmental conservator.

6. COURSE OUTCOMES:

1) The students were known the importance of urban settlements through urban geography.
2) The students understood the types of Urban Settlements, Site and Situations.
3) The students were familiar with an idea of relationship between human activities and urban development.
4) Detail understanding of students regarding present urban problems and students are capable to handling of present problematic situations in urban areas.
5) The students are developed as a good urban planner and environmental conservator.

6. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of one semester.**

7. PATTERN:-

Pattern of Examination will be Semester

8. FEE STRUCTURE:-

(as applicable to regular course determined by the university and other fee will be applicable as per University rules/norms)

9. ELIGIBILITY CRITERIA FOR ADMISSION:

As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

10. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. STRUCTURE OF COURSE-

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER SIXTH

Paper No.	**Title Marks**
DSE-E232 or XI, Urban Geography	50

12. SCHEME OF TEACHING AND EXAMINATION:

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

THIRD YEAR

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	Term work	Total
1	Urban Geography	04	04	00	04	40	10	50

SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each semester
- The Theory paper shall carry 50 marks
- The term work shall carry 10 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree/programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Semester VI	Marks
Question 1) Objective Type Question (Multiple Choice)	05
Question 2) Short Note Type Question (Any four out of six)	15
Question 3) Detail Answers Type Question (Any two out of three)	20

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Urban Geography	XI	Urban Geography	DSE-E232 or XI

16. SPECIAL INSTRUCTIONS, IF ANY.

REVISED SYLLABUS FOR
(Choice Based Credit System)
B. A. Part-III and B. A. B. Ed, Geography
(Introduced from June 2020 onwards)

Semester – VI

(i) DSE- E232 or XI

(ii) Title of Paper: - Urban Geography

(iii) Specific Objectives:-

(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

Modules	**No. of Lectures**	**Credit**
Module-I: Introduction to Urban Geography	**15**	**01**
1.1 Urban Geography: Meaning and Definitions		
1.2 Nature and Scope of Urban Geography		
1.3 Approaches of Urban Geography		
1.4 Significance of Urban Geography		
Module-II: Urbanization	**15**	**01**
2.1 Site and Situation: Significance and Types		
2.2 Concept and Factors of Urbanization		
2.3 Patterns of Urbanization in developed and developing countries		
2.4 Functional classification of cities (Quantitative and Qualitative)		
Module-III: 3 Structure and Morphology of Urban Centers	**15**	**01**
3.1 Structure and Morphology		
3.2 City Region and C.B.D.		
3.3 Rural-Urban Fringe		
3.4 Models of Town Morphology: The Concentric Zone Theory, the Sector Theory and the Multi-Nuclei Theory		

Module-IV: Urban Problems and Issues **15**

01

4.1 Urban Issues: problems of housing, slums, civic amenities (water and transport)

4.2 Concept of Garden City

4.3 Urban Planning in India

4.4 Case studies of Mumbai and Chandigarh with reference to Land use and Urban Issues

References

1. Tim Hall. (1998): Urban Geography, Routtedge ,London.
2. Verma L.N.: Urban Geography, Rawat Publications, Jaipur.
3. Johnson J. H. (1967): Urban Geography, An Introductory Analysis.
4. Bose A., : India's Urbanization 1974-2000,Tata McGraw Hill, New Delhi.
5. Carter H. (1972): The study of urban Geography, Edward Arnold, London.
6. Smailes A. E. : The Geography of Towns.
7. Taylor and Pntnam : Geography of UrbanPlaces.
8. Hudson F : SettlementGeogrpahy

९दशपांडेसी.डी.१९८३.शहरे–कॉन्सेप्टपब्लिशिंगकंपनी,पुणे

१०.स्मावदी,कोळेकर,२००५,आधुनिकभूगोलनिरालीप्रकाशन,पुणे११. खतीबके. ए. २००७ : महाराष्ट्रवसाहतीभूगोल, अजबप्रकाशन, कोल्हापूर

12. Mandal : Urban Geography

B. A. Part – III & B. A. B. Ed. Geography
Semester-VI
(Regional Planning and Sustainable Development)
Implemented From June, 2020 onward

A] **Ordinance and Regulations:-**
(As applicable to degree/programme)

B] **Shivaji University, Kolhapur**
Revised Syllabus For **B. A. Part – III and B. A. B. Ed.**

1. TITLE: Subject – Regional Planning and Sustainable Development

2. **FACULTY of SCIENCE:-** Optional under the Faculty of Science

3. YEAR OF IMPLEMENTATION: - Revised Syllabus will be implemented from June 2020 onwards.

4. **PREAMBLE:-**

Regional Planning is the need of time to everyone. Geography subject can lead to the development of human activities through regional planning. In the process of development of geography, the changing nature of subject will make aware to the students about the recent technologies used in geography. This will further help to improve the use of geographical techniques and methods in teaching, learning and research work through regional planning.

5. GEUNERAL OBJECTIVES OF THE COURSE:

1) To introduce the students with the importance of regional planning.
2) To understand the concepts of region, regionalization, regional planning & development.
3) To give basic information to the students about the region.
4) To get familiar with indicators of measurement of development.
5) To understand Perroux's Growth Pole Model & Growth Center Model in Indian context.
6) To develop skills for demarcation of region.
7) To aware the students regional planning with recent technology.

6. COURSE OUTCOMES:

6) The students were known the importance of regional planning.
7) The students understood the concepts of region, regionalization, regional planning & development and detailed knowledge of region.

8) The students were familiar with indicators of measurement of development.

9) Detail understanding of Perroux's Growth Pole Model & Growth Center Model in Indian context.

10) The students are develop skills for demarcation of region and aware the regional planning with recent technology.

6. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of one semester.**

7. PATTERN:-

Pattern of Examination will be Semester

8. FEE STRUCTURE:-

(as applicable to regular course determined by the university and other fee will be applicable as per University rules/norms)

9. ELIGIBILITY CRITERIA FOR ADMISSION:

As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

10. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. STRUCTURE OF COURSE-

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER SIXTH

Paper No.	Title	Marks
DSE-E232 or XI,	Regional Planning and Sustainable Development	40

12. SCHEME OF TEACHING AND EXAMINATION:

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

THIRD YEAR

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	Term work	Total
1	**Regional Planning and Sustainable Development**	**04**	**04**	**00**	**04**	**40**	**10**	**50**

SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each semester
- The Theory paper shall carry 50 marks
- The term work shall carry 10 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree/programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:
(Unit wise weightage of marks should also be mentioned)

Semester VI	Marks
Question 1) Objective Type Question (Multiple Choice)	05
Question 2) Short Note Type Question (Any four out of six)	15
Question 3) Detail Answers Type Question (Any two out of three)	20

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Urban Geography	XI	Regional Planning and Sustainable	DSE-E232 or XI

16. SPECIAL INSTRUCTIONS, IF ANY.

REVISED SYLLABUS FOR

(Choice Based Credit System)

B. A. Part-III and B. A. B. Ed, Geography

(Implemented From June, 2020 onward)

Semester – VI

(i) DSE- E232 or XI

(ii) Title of Paper: - Regional Planning and Sustainable Development

(iii) Specific Objectives:-

(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

Modules	**No. of Lectures**	**Credit**
Module I: Region and Regionalization	**(15)**	**1**
1.1 Definition, Concept of Region and Regionalization		
1.2 Characteristics of Region		
1.3 Types of Region		
1.4 Demarcation of Region		
Module II: Regional Planning	**(15)**	**1**
2.1 Concept of Regional Planning		
2.2 Need for Regional Planning and Types of Regional Planning		
2.3 Choice of a Region for Planning		
2.4 Planning Regions of India		
Module III: Models for Regional Planning	**(15)**	**1**
3.1 Spread and Backwash Concept		
3.2 Walter Christaller's Central Place Theory		
3.3 Francois Perroux,s Growth Pole Model		
3.4 R. P. Misra's Growth Foci Concept		
Module IV: Sustainable Development	**(15)**	**1**
4.1 Concept of Sustainable Development and Underdevelopment		
4.2 Rostow's Growth Model- Stages of Development		
4.3 An Indicators of Measuring Development		
4.4 Human Development Index (HDI)		

18. Recommended Reading Material:

1. Alden, J. and Morgan, (1974): Regional Planning: A Comprehensive View, Leonard Hill Books, Beds.
2. Adrill, J. (1974): New Citizens Guide to Town and Country Planning, Charies knight and Company Ltd. London.
3. Chand, M. & Puri, V. (1983): Regional Planning in India, Allied Publishers Ltd., New Delhi.
4. Chandra, R.C. (2000): Regional Planning and Development, Kalyani Publishers, Ludhiana.
5. Cook. P. (1983): Theories of Planning and Spatial Development, Hutchinson & Company Ltd. London.
6. Diamond, D. (ed) (1982): Regional Disparities and Regional Policies, Pergamon Press, Oxford.
7. Dickinson R.E. (1964): City and Region: A Geographical Interpretation. Routledge and Keagan Paul.
8. Friedman, J. & Alonson W. (1964): Regional Development and Planning. MIT Press. Cambridge.
9. Galasson, John (1974): An Introduction to Regional Planning Hutchinson. Educational London.
10. Hilborot, J.G.M (1971): Regional Planning. Rotterdam University Press, Rotterdam.
11. Misra, R.P. Sundaram K.V. & Rao, V.L.S. Prakasa (1974): Regional Development Planning In India.
12. Misra, R.P. (1992): Regional Planning. Concept Publishing Company. New Delhi.
13. Reddi, K. V. (1988): Rural Development in India, Himalaya Pub, Mumbai.
14. Singh, R.L.(2008): Fundamentals of Human Geography, Sharada Pustak Bhawan, Allahabad.
15. Sundran, K.V. (1977): Urban and Regional Planning in India, Vikas Publishing, New Delhi.
16. Swawy, M.C.K., Bhaskara, R. Hegde, V.M. (eds.) (2008): Urban Planning and Development at Cross Roads, BC Books for Change, Bangalore.
17. Whynnes, Charles & Hammand (1979): Elements of Human Geography, George Aflen & Unwin, London. Kothari, C. R. (1985): Research Methodology- Methods and Techniques, Wiley Eastern Limited, New Delhi
18. सवदी ए. बी. व कोळेकर पी. एस. (2008): भूगोलाची मूलतत्वे, खंड दुसरा, निराली प्रकाशन, पुणे

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Population Geography
Or
Social Geography

CBCS PATTERN

Syllabus to be implemented from

(Subject to the modifications to be made from time to time)
Syllabus to be implemented from June 2020 onwards

B. A. Part – III and B. A. B. ED.
DSE (Discipline Specific Core Course) E108 Geography (Course / Paper No. IX)
June 2020 onwards
Semester - V

A] Ordinance and Regulations:

(As applicable to degree/program)

B] Shivaji University, Kolhapur

New/Revised Syllabus For **Bachelor of –Arts and B. A. B. Ed.**

1. TITLE: POPULATION GEOGRAPHY

Optional/Compulsory/Additional/IDS under the Faculty of Science

2. YEAR OF IMPLEMENTATION:

New/Revised Syllabi will be implemented from June 2020 onwards.

3. PREAMBLE:-

This curriculum focuses on the understanding of core and fundamental branches of the discipline. This paper is specially designed to learn the role of demography and population studies as a distinct field of human geography. It encompasses sound knowledge of key concept, different components of population. The curriculum has been carefully designed to include conceptual, basic themes, population dynamics and characteristic with contemporary issues.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:

1) To study the basics of population geography.
2) To study the population growth trends and its distribution.
3) To study the population dynamics.
4) To study the population compositions and its characteristics.

5. Course Outcomes:

1) This paper would bring an understanding of population geography along with relevance of demographic data.
2) The students would get an understanding of distribution and trends of population growth in the developed and less developed countries, along with population concepts.
3) The students would get an understanding of the dynamics of population.
4) An understanding of the implications of population composition in different regions of the world.
5) An appreciation of the contemporary issues in the field of population studies

5. DURATION:

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

6. PATTERN:

Pattern of Examination will be Semester.

7. FEE STRUCTURE :

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.]

8. ELIGIBILITY FOR ADMISSION:

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 40 + 10 = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

THIRD YEAR / SEMESTER …….

Paper No.	**Title**	**Marks**
Course / Paper DSE-E108 or IX,	**Population Geography**	**50**

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	**Subject/Paper**	**Teaching Scheme (Hrs/Week)**				**Examination Scheme (Marks)**		
		L	**T**	**P**	**Total**	**Theory**	**Term Work**	**Total**
1	Population Geography	**04**	**04**	**00**	**04**	**40**	**10**	**50**

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course).
- The term work shall carry 10 marks
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus

and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question: 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Research Methodology	IX	Population Geography	E108 or IX

16. **SPECIAL INSTRUCTIONS, IF ANY** – Nil

NEW/REVISED SYLLABUS FOR
B. A. Part-III and B. A. B. Ed. Geography
(Syllabus to be implemented from June 2020 onwards)
Semester - V

(i) Course/ Paper No. E108 or IX

(ii) Title of Paper: - POPULATION GEOGRAPHY

(iii) Specific Objectives: - ……

(iv) A Brief note: - (On expected level of study from examination and assessment point of view): -……

Module	Teaching Hours	Credits
Module I: Introduction to Population Geography	**15**	**01**
1.1 Definition of Population Geography		
1.2 Nature and Scope of Population Geography		
1.3 Significance of Population Geography		
1.4 Sources of Population Data		
Module II: Population Growth and Distribution	**15**	**01**
2.1 World Population Growth		
2.2 Factors Affecting on the Population Distribution		
2.3 Population Distribution of the World		
2.4 Population Concepts: Minimum Population, Optimum Population and Over Population		
Module III: Population Dynamics	**15**	**01**
3.1 Concept of Population Dynamics		
3.2 Fertility: Concept and Types		
3.3 Fertility: Causes, Effects and Measures		
3.4 Mortality: Concept and Types		
3.5 Mortality: Causes, Effects and Measures		
Module IV: Population Composition	**15**	**01**
4.1 Age		
4.2 Sex		
4.3 Literacy		
4.4 Rural and Urban Population		

REFERENCES:

1. Barrett H. R., 1995: Population Geography, Oliver and Boyd.
2. Bhende A. and Kanitkar T., 2000: Principles of Population Studies, Himalaya Publishing House.
3. Chandna R. C. and Sidhu M. S., 1980: An Introduction to Population Geography, Kalyani Publishers.
4. Clarke J. I., 1965: Population Geography, Pergamon Press, Oxford.
5. Jones, H. R., 2000: Population Geography, 3rd ed. Paul Chapman, London.
6. Lutz W., Warren C. S. and Scherbov S., 2004: The End of the World Population Growth in the 21st Century, Earthscan
7. Newbold K. B., 2009: Population Geography: Tools and Issues, Rowman and Littlefield Publishers.
8. Pacione M., 1986: Population Geography: Progress and Prospect, Taylor and Francis.
9. Wilson M. G. A., 1968: Population Geography, Nelson.
10. Panda B P (1988): Janasankya Bhugol, M P Hindi Granth Academy,Bhopal
11. Maurya S D (2009) Jansankya Bhugol, Sharda Putak Bhawan, Allahabad
12. Chandna, R C (2006), Jansankhya Bhugol, Kalyani Publishers, Delhi
14. Trewartha, G T (1969), A Geography of Population: world patterns, John Wiley, New York.
15. e-PG Pathshala: https://epgp.inflibnet.ac.in/
16. MOOCS - NPTEL: https://nptel.ac.in/
17. MOOCS - SWAYAM: https://swayam.gov.in/
18. National Digital Library of India: https://ndl.iitkgp.ac.in/
19. Shivaji University Library (E-Resources): http://www.unishivaji.ac.in/library/E-Resources

B. A. Part – III & B. A. B. Ed.

Semester - V

SOCIAL GEOGRAPHY

Syllabus to be implemented from June 2020 onwards

1.TITLE : Social Geography

Optional under the Faculty of Science

4. YEAR OF IMPLEMENTATION :

Revised Syllabus will be implemented from June 2020 onwards.

5. PREAMBLE

This curriculum focuses on the understanding of social geography of the discipline. This paper is specially designed to cater to social study of the students by imparting knowledge about the society. Social geography is the branch of human geography that is most closely related to social problems and well being, dealing with the relation of social phenomena and its spatial components. The different conceptions of social geography have been overlapping with other sub-fields of geography. It was basically applied as a synonym for the search for patterns in the distribution of social groups and there problems.

9. GENERAL OBJECTIVES OF THE COURSE

1) Understanding the concept, origin, nature and scope of social geography.
2) To study the migration, technological and occupational changes in India peoples.
3) An analysis of different social categories and their spatial distribution.
4) To understand the geographies of social welfare and well being.

4.1 COURSE OUTCOMES

6) In depth understanding the problems and prospects of society in India.
7) The students are fully aware about the migration, technological and occupational changes in India peoples.
8) Detailed knowledge about the social categories and communities in world.
9) Understanding concepts of social well being and welfare.

5. DURATION

- The course shall be a full time course
- The duration of course shall be of one year (Sem. – V)

6. PATTERN:

Pattern of Examination Will Be Semester

7. FEE STRUCTURE:

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER FIFTH

Paper No.	**Title Marks**
DSE-E108 or IX, Social Geography	**50**

12. SCHEME OF TEACHING AND EXAMINATION

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

Sr. No.	**Subject/Paper**	**Teaching Scheme (Hrs/Week)**				**Examination Scheme (Marks)**		
		L	**T**	**P**	**Total**	**Theory**	**Term Work**	**Total**
1	Social Geography	**04**	**04**	**00**	**04**	**40**	**10**	**50**

15. SCHEME OF EXAMINATION :

- The examination shall be conducted at the end of each semester.
- The Theory paper shall carry 50 marks.
- The term work shall carry 10 marks.

- The evaluation of the performance of the students in theory papers shall be on the basis of semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING: As Prescribed under rules & regulation for each degree/ programme.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING :-

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question : 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

18. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Research Methodology	IX	Social Geography	E108 or Paper No. IX

17. SPECIAL INSTRUCTIONS, IF ANY.

NEW/REVISED CBCS PATTERN SYLLABUS FOR
B. A. - Part III and B. Ed. Geography Elective Discipline Specific
DSE –E108 or Paper No. IX
(Introduced from June 2020 onwards)

Semester – V

(v) Paper – E108 or IX

(vi) Title of Paper: Social Geography

Module	Teaching Hours	Credit
Module-I: Introduction to Social Geography	**15**	**(1)**
1.1 Definitions, Nature and Scope of Social Geography		
1.2 Sub-branches of Social Geography		
1.3 Relationship with other Social Sciences		
1.4 Approaches and Significance of Social Geography		
Module-II: Peopling Process in India	**15**	**(1)**
2.1 Educational Changes		
2.2 Technological Changes		
2.3 Occupational Changes		
2.4 Migration		
Module-III: Social Categories and their Spatial Distribution	**15**	**(1)**
3.1 Race		
3.2 Religions		
3.3 Gender		
Module-IV: Geographies of Welfare, Well Being and Social Problems in India	**15**	**(1)**
4.1 Concept of Social Welfare and Well being		
4.2 Healthcare and Housing Facilities		
4.3 Slums		
4.4 Communal Conflicts and Crime		

References

1. Ahmed A., 1999: Social Geography, Rawat Publications.

2. Casino V. J. D., Jr., 2009) Social Geography: A Critical Introduction, Wiley Blackwell.
3. Cater J. and Jones T., 2000: Social Geography: An Introduction to Contemporary Issues, Hodder Arnold.
4. Holt L., 2011: Geographies of Children, Youth and Families: An International Perspective, Taylor & Francis.
5. Panelli R., 2004: Social Geographies: From Difference to Action, Sage.
6. Rachel P., Burke M., Fuller D., Gough J., Macfarlane R. and Mowl G., 2001: Introducing Social Geographies, Oxford University Press.
7. Smith D. M., 1977: Human geography: A Welfare Approach, Edward Arnold, London.
8. Smith D. M., 1994: Geography and Social Justice, Blackwell, Oxford.
9. Smith S. J., Pain R., Marston S. A., Jones J. P., 2009: The SAGE Handbook of Social Geographies, Sage Publications.
10. Sopher, David (1980): An Exploration of India, Cornell University Press, Ithasa.
11. Valentine G., 2001: Social Geographies: Space and Society, Prentice Hall

SHIVAJI UNIVERSITY, KOLHAPUR.

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Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Political Geography

Or

Geography of Health and Wellbeing

CBCS PATTERN

(Subject to the modifications to be made from time to time)

Syllabus to be implemented from June 2020 onwards

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
B. A. Part – III and B. A. B. Ed.

DSE (Discipline Specific Eelctive) – E233 or Paper No. XII
Geography (Political Geography), Sem.-VI
Syllabus to be implemented from June 2020 onwards

A] **Ordinance and Regulations:-**
(As applicable to degree/program)
B] **Shivaji University, Kolhapur**
New/Revised Syllabus For **Bachelor of -Arts.**

1. TITLE: Subject – POLITICAL GEOGRAPHY
Optional/Compulsory/Additional/IDS under the Faculty of Science
2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabi will be implemented from June 2020 onwards.

3. PREAMBLE:-

Political Geography is the most important branch of Human Geography. But after 1960 this branch of Geography becomes popular due to its own significance in the World. Therefore, it has been introduced to B. A. Part-III. In this course the fundamental as well basic concepts and knowledge of Political Geography have been included. The present syllabus of this course includes nature, scope,

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:

(As applicable to the Degree /Subject- Paper concerned)

i) To study the Political geography as a fundamental branch of Human Geography.
ii) To familiarize the students with the basics and fundamental concepts and theories of Political Geography.
iii) To aware the students about resource conflicts and politics of displacement.

4.1 COURSE OUTCOME

i) The students are fully aware about the Political geography as a fundamental branch of Human Geography.
ii) The students are familiarized with the basics and fundamental concepts and theories of Political Geography.
iii) The students are aware about resource conflicts and politics of displacement.

5. DURATION

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

8. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

10. STRUCTURE OF COURSE = 50 marks

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SEMESTER SIXTH

Paper No.	**Title Marks**
DSE-E233 or Paper No. XII, Political Geography	**50**

11. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				**Examination Scheme Sr. (Marks)**			
		L	T	P	Total	Theory	Practical	Term Work	Total
1	Political Geography	04	04	-	04	40	-	10	50

12. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course).
- The term work shall carry 10 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question: 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Political Geography	XII	Political Geography	E 233 or XII

16. SPECIAL INSTRUCTIONS, IF ANY – Nil

NEW/REVISED SYLLABUS FOR
B. A. Part-III and B. A. B. Ed. Geography
(Syllabus to be implemented from June 2020 onwards)
Semester - VI

(i) DSE – E 233 or XII

(ii) Title of Paper:- POLITICAL GEOGRAPHY

(iii) Specific Objectives:- ----------

(iv) A brief note:- (On expected level of study from examination and assessment point of view):- -----

Module	Teaching Hours	Credits
Module I: Introduction to Political Geography	**15**	**01**
1.1 Definition of Political Geography		
1.2 Nature and Scope of Political Geography		
1.3 Approaches of Political Geography		
1.4 Significance of Political Geography		
Module II: Concepts in Political Geography	**15**	**01**
2.1 State		
2.2 Nation		
2.3 Boundary		
2.4 Frontier		
Module III: Theories in Political Geography	**15**	**01**
3.1 Hartland Theory - Halford J. Mackinder		
3.2 Rimland Theory – Nicholas J. Spykeman		
Module IV: Resource Disputes and Conflicts	**15**	**01**
4.1 Krishna Water Dispute		
4.2 Ganga Water Dispute		
4.3 Sardar Sarovar Project: Issues of Relief, Compensation and Rehabilitation		
4.4 Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation		

Reading List

1. Adhikari, S. (1997) : Political Geography, Rawat Publications, Jaipur.
2. Dikshit, R. D. (1985) : Political Geography, A Contemporary Perspective, McGraw Hill, New Delhi
3. Dwivedi, R. L. (1996):Political Geography, ChaitanyaPrakashan, Allahabad.

4. Muir, Richand (1995): Modern Political Geography, Macmillan, London.
5. Pounds, N. J. G. (1972): Political Geography 2nd Ed. McGraw Hill, N. Y.
6. Sharma, T. C. : Political Geography.
7. Agnew J., 2002: Making Political Geography, Arnold.
8. Agnew J., Mitchell K. and Toal G., 2003: A Companion to Political Geography, Blackwell.
9. Cox K. R., Low M. and Robinson J., 2008: The Sage Handbook of Political Geography, Sage Publications.
10. Cox K., 2002: Political Geography: Territory, State and Society, Wiley-Blackwell
11. Gallaher C., et al, 2009: Key Concepts in Political Geography, Sage Publications.
12. Glassner M., 1993: Political Geography, Wiley.
13. Jones M., 2004: An Introduction to Political Geography: Space, Place and Politics, Routledg.
14. Mathur H M and M M Cernea (eds.) Development, Displacement and Resettlement – Focus on Asian Experience, Vikas, Delhi
15. Painter J. and Jeffrey A., 2009: Political Geography, Sage Publications.
16. Taylor P. and Flint C., 2000: Political Geography, Pearson Education.
17. Verma M K (2004): Development, Displacement and Resettlement, Rawat Publications, Delhi
18. Hodder Dick, Sarah J Llyod and Keith S McLachlan (1998), Land Locked States of Africa and Asia (vo.2), Frank Cass

Accredited By NAAC
With 'A' Grade
New/Revised Syllabus For
B. A. Part – III and B. A. B. Ed.
DSE-E233 (Discipline Specific Elective) Paper No.XII
Geography (Geography of Health and Wellbeing), Semester-VI

Syllabus to be implemented from June 2020 onwards

A]Ordinance and Regulations:-

(As applicable to degree/program)

B] Shivaji University, Kolhapur

New/Revised Syllabus for Bachelor of Arts and B. A. B. Ed.

1. TITLE: **Geography of Health and Wellbeing**

Optional/Compulsory/Additional/**DSE**

2. FACULTY: Faculty of Science.

3.YEAROFIMPLEMENTATION:

New/Revised Syllabi will be implemented from June 2020 onwards.

4.PREAMBLE:

Geography of Health and Wellbeing considers the significance for physical and mental health of interactions between people and their environment. This branch of Geography becomes popular due to its significance. Therefore, it has been introduced to B. A. Part-III. In this course the fundamental concepts and knowledge of Geography of Health and wellbeing have been included. The present syllabus of this course includes perspectives of health, pressure on environmental quality and health, exposure and health risks, health and disease patterns.

5. GENERAL OBJECTIVES OF THE COURSE/PAPER:

(As applicable to the Degree/Subject-Paper concerned)

i) To know Geography of Health and Wellbeing.

ii) To study the fundamental concepts health and environmental trends.

iii) To study the pressure on environmental quality and health.

iv) To study the exposure and health risks.

iv) To understand the health and various disease patterns in environmental context with special reference to India.

6. COURCE OUT COME:

After the completion of course, the students will have ability to:

1. Understand various geographical perspectives related to human health.

2. Create awareness of human health and environmental trends.
3. The students are familiar with geographical background of diseases and their regional pattern.
4. Detail understanding of pressure on environmental quality and human health.
5. Create awareness among the students of malnutrition and hygiene.
6. The students are familiar with the process of health care planning in India.
7. The students are aware about impact of climate change on human health.

6. DURATION

•The course shall be a full time course.

•The duration of course shall be of Three years, as applicable to the respective degree.

8. PATTERN:

Pattern of Examination will be Semester.

8.FEE STRUCTURE:

As per Government/University rules.

[Note: In case of any New degree/Program started at university/college, the respective colleges/Dept. should submit a separate proposal of fee structure to BOS office.(i.e. Tution Fee & Laboratory Fee, if any.]

9. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree programme and the merit in the qualifying examination (i.e. Entrance Examination), if any.

10.MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11.STRUCTUREOFCOURSE = 50 marks

(Note–The structure & title of papers of the degree as a whole should be submitted at The time of submission/revision of first year syllabus.)

SEMESTER SIXTH Paper No.

Course E 233/Paper- XII, Geographyof Health and Wellbeing	TitleMarks 50

12. SCHEME OF TEACHING AND EXAMINATION:

The scheme of teaching and examination should be given as applicable to the course /paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme (Marks)			
1	Geography of Health and Wellbeing	L	T	P	Total	Theory	Practical	Term Work	Total
		04	04	-	04	40	-	10	40

13. Scheme of Examination:

- The examination shall be conducted at the end of each academic year.
- The paper shall carry 40 marks.
- The term work shall carry 10 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each unit of syllabi.

14. Standard of Passing:

(As prescribed under rules & regulation for each degree / program)

15. Nature of Question Paper and Scheme of Marking:

(Unit wise weightage of marks should also be mentioned)

Semester V		Marks
Question: 1)	Objective Type Question (Multiple Choice)	05
Question: 2)	Short Notes (Any three out of five)	15
Question: 3)	Detailed Answer Type Question (Any two out of three)	20

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS (For revised Syllabus)

Sr. No.	Title of Old Paper	Title of New Paper
1	Political Geography (Paper -I)	Geography of Health and Wellbeing E233 (Paper No. XII)

17. Special Instructions, If any.

NEW/REVISED SYLLABUS FOR
B. A. Part-III and B. A. B. Ed. Geography
(**Syllabus to be implemented from June 2020 onwards**)
Semester-VI

(i) Course/Paper No. E233 or XII

(ii) Title of Paper:- GEOGRAPHY OF HEALTH AND WELLBEING

(iii) Specific Objectives:----------

(iv) A brief note:-

(On expected level of study from examination and assessment point of view):- -----

Module	Teaching Hours	Credits
Module I:Perspectives on Health	15	01
1.1 Definition, Nature and Scope		
1.2 Trends and Applications		
1.3 Linkages with Environment and Development		
1.4 Health and Environmental Trends: Population Dynamics, Urbanization, Poverty and Inequality		
Module II: Pressure on Environmental Quality and Health	15	01
2.1 Human Activities and Environmental Pressure		
2.2 Land use and Agricultural Development		
2.3 Industrialization		
2.4 Transportation		
Module III: Exposure and Health Risks	15	01
3.1 Air and Water Pollution		
3.2 Household Wastes		
3.3 Housing		
3.4 Workplace		
Module IV: Health and Disease Patterns	15	01
(In Environmental Context with special reference to India)		
4.1 Communicable diseases and their regional pattern – AIDS and Dengue		
4.2 Lifestyle related diseases and their regional pattern – Cancer and Diabetes		
4.3 Climate change and human health		
4.4 Food production and nutrition		

REFERENCES

1.Akhtar Rais (Ed.), 1990:Environment and Health Themes in Medical Geography, Ashish Publishing House,New Delhi.

2.Avon Joan L. and Jonathan A Patzed., 2001:Ecosystem Changes and Public Health, Baltimin, John Hopling Unit Press(ed).

3.Bradley, D., 1977: Water, Wastes and Health in Hot Climates, John Wiley Chichesten.

4.Brown T., S. McLafferty, and G. Moon. 2009. *A companion to health and medical geography*. Chichester, UK: Wiley-Blackwell. DOI: 10.1002/9781444314762

5. Christaler George and HristopolesDionissios, 1998:SpatioTemporalEnvironment Health Modelling,Boston Kluwer AcademicPress.

6.Cliff, A.D. andPeter, H., 1988: Atlas of DiseaseDistributions,Blackwell Publishers, Oxford.

7.Emch, M., Root, E.D., Carrel, M., 2017, Health and Medical Geography, Fourth Edition Guilford *Publications*

8. Gatrell, A., and Loytonen, 1998: GISand Health, Taylor and Francis Ltd, London.

9. Gatrell A., and S. Elliott. 2009. *Geographies of health*. Chichester, UK: Wiley-Blackwell.

10. Gesler, W., and W. Kearns. 2002. *Culture place and health*. Critical Geographies. London: Routledge.

11.HardhamT. and TannavM., (eds):Urban Health in Developing Countries; Progress, Projects, Earthgoan, London.

12. Jones, K., and G. Moon. 1987. *Health disease and society*. London: Routledge.

13. Meade, M., and R. Earickson. 2000. *Medical geography*. New York: Guildford.

14. Murray,C. and A. Lopez, 1996: The Global Burden of Disease, Harvard University Press.

15.Moeller Dadewed., 1993: Environmental Health, Cambridge, Harvard University Press.

16.Phillips, D. and Verhasselt, Y., 1994: Health and Development, Routledge, London.

17. Shelar, S.K., 2012: Introduction to Medical Geography, Chandralok Pub., Kanpur.

18. Tromp, S., 1980: Biometeorology: The Impact of Weather and Climate on Humans and their Environment, Heydon and Son.

19. मस्कीडी., भैसेएस.,२०१४, आरोग्यभूगोल, अथर्वप्रकाशन,पुणे

Websites:

e-PGPathshala: https://epgp.inflibnet.ac.in/

MOOCS - NPTEL: https://nptel.ac.in/

MOOCS - SWAYAM: https://swayam.gov.in/

National Digital Library of India: https://ndl.iitkgp.ac.in/

Shivaji University Library (E-Resources): http://www.unishivaji.ac.in/library/E-Resources

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.

Geography (Practical)

(Fundamentals of Map Making and Map Interpretation)

CBCS PATTERN

(Subject to the modifications to be made from time to time)

Syllabus to be implemented from June 2020 onwards

A) Ordinance and Regulations
(As applicable to degree)
B) Shivaji University, Kolhapur.
Revised Syllabus for
Bachelor of Arts and B. A. B. Ed.
Sem -VI
DSE-E234 (Paper XIII or Practical Paper -I)

1. Title: Fundamentals of Map Making and Map Interpretation

Optional Subject under the Faculty of Science

2. **Year of Implementation:** Revised Syllabi will be implemented from June 2020 onwards.

3. Preamble:

Practical Work is the most important part of Geography. Map is an indispensable tool in Geographical Studies & Research activities. The present syllabus of this paper includes study of maps and their types, Map Projections, S.O.I. Topomaps, I.M.D. Weather Maps, and Cartographic Techniques. In the process of development of science and technology, the changing nature of subject of geography will make aware to the student about the map work and map interpretation. This will further help to improve the use of maps, cartographic techniques and methods in teaching-learning and research work.

4. General objectives of the Paper:

(As applicable to the – paper concerned)

1) To introduce the students with the importance of map making and map Interpretation.
2) To make the students to understand map, concept of scale and concept of projection.
3) To provide training in analysis of landforms.
4) To give basic information to the students about S.O.I. topomaps and I.M.D. weather maps.
5) To develop the skill of map Interpretation among the students.
6) To familiarize the students with the different cartographic techniques and methods used for representation of demographic and physio- socio-economic database.

5. COURSE OUTCOMES

1. In depth understanding the map, concept of scale and projection.
2. Detailed knowledge about the analysis of landforms and its identification.
3. The students are deeply aware about basic information to the students about S.O.I. topomaps and I.M.D. weather maps and obtained the skills about map interpretation.

4. The students are deeply familiar with different cartographic techniques and methods used for representation of demographic and physio- socio-economic database

6. Duration:

- The course shall be a full time course.
- The duration of course shall be of three years, as applicable to the respective degree.

7. Pattern:

Pattern of Examination will be **ANNUAL.**

8. Fee Structure:

As per Government / University rules.

9. Eligibility for Admission:

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination, if any.

10.Medium of Instruction:

The medium of instruction shall be in English or Marathi. (As applicable to the course / programme concerned)

11. Structure of Course: Theory & Practical's

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission / revision of first year syllabus.)

Third Year (Semester VI) Paper No. XIII

Sr. No.	Subjects/Papers	Theory	Practical	Total marks
1	Fundamentals of Map Making and Map Interpretation	-----	100	100

12. Scheme of Teaching and Examination:

(The Scheme of teaching and examination should be given as applicable to the course / paper concerned)

B. A. part –III

Sr. No.	Subjects/Papers	Theory				Examination scheme (Marks)		
		L	T	P	Total	Practical	Term Work	Total (Annual)
1	Fundamentals of Map Making and Map Interpretation	---	---	10	10	100	---	100

13. Scheme of Examination:

- The examination shall be conducted at the end of each academic year.
- The Practical paper shall carry 100 marks.
- The evaluation of the performance of the student in practical papers shall be on the basis of annual practical examination of 100 marks.
- Question Paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each Module of syllabi.

14. Standard of Passing:

(As prescribed under rules & regulation for each degree / program)

15. Nature of Question Paper and Scheme of Marking:

(Module wise weightage of marks should also be mentioned)

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS

(For revised Syllabus)

Sr. No.	Title of Old Paper	Title of New Paper
1	Map Work & Map Reading Paper XIII (Practical Paper -I)	Fundamentals of Map Making and Map Interpretation E 234 or Paper XIII (Practical Paper - I)

17. Special Instructions, If any.

Revised Syllabus for B. A. – III and B. A. B. Ed.

(Introduced from June 2020 Onwards)

Revised Syllabus for

B. A. Part III and B. A. B. Ed. Geography

DSE-E234 or Paper No. XIII (Practical Paper -I)

Sem-V

Title of Paper: Fundamentals of Map Making and Map Interpretation

Module – I: Introduction to Map and Scales: Periods 50

Marks 15

1.1 Map

1.1.1 Map: Definition and Elements

1.1.2 Classification of Maps: Based on Scale and Purpose

1.2 Scale

1.2.1 Meaning and Definition,

1.2.2 Methods of Representation of scale - Verbal, Numerical and Graphical.

1.2.3 Scale Conversion

1.2.4 Construction of Graphical Scale –

i) Simple (Plane Scale)

ii) Time and Distance Scale

iii) Diagonal Scale

Module II: Map Projection Periods 50

Marks 15

2.1 Definition, Classification of Projections:

a) Based on the methods of Construction: Perspective and Non-perspective

b) Based on Developable Surface used: Conical, Cylindrical, Zenithal, Conventional.

c) Based on Position of Tangent Surfaces: Polar, Equatorial (normal), Oblique.

d) Based on Position of view point or light: Gnomonic, Stereographic, Orthographic

e) Based on Preserved qualities: i) Equal area projection (Homolographic)

ii) Orthographic Projection

iii) Azumuthal Projection (True Bearing Projection)

2.2 Graphical Construction of the following Projections with Properties and Use:

i) Zenithal Polar Gnomanic Projection

ii) Zenithal Polar Equal Area Projection

iii) Simple Conical Projection with one standard Parallel

iv) Cylindrical Equal Area Projection

v) Mercator's Projection and Reference to Universal Transverse Mercator (UTM) Projection

Module – III : Identification, Mapping of Slope, Relief Features and Profiles

Periods 50

Marks 15

3.1 Slope and Gradient

3.1.1 Types of Slope: Gentle, Steep, Even, Uneven, Convex, Concave, Terraced.

3.1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills

3.1.2 Representation of Relief by Contours: Hill, Mountain, Ridge, Cliff, Saddle, Plateau, Knoll, Spur, Col or Pass, Volcanic Col or Crater, Gorge, 'V' Shaped Valley, Waterfall, 'U' Shaped Valley, Cirque, Hanging Valley, Ria Coast, Fiord Coast, Sea cliff.

3.2 Profiles

3.5.1 Superimposed Profile

3.5.2 Composite Profile

3.5.3 Projected Profile

3.5.4 Longitudinal Profile

Module – IV : Topographical Maps **Periods 50**

Marks 15

4.1 Indexing of S.O.I. Topographical Map

4.2 Signs, Symbols and Colors used in SOI Toposheet

4.3 Interpretation of S.O.I.'s Topographical Maps

a) Marginal Information

b) Physical environment: Relief, Drainage and Vegetation

c) Cultural environment: Settlements, Transportation and Communication, Irrigation.

d) Land Use

Module V: Weather Instruments and IMD Maps **Periods 70**

Marks 20

5.1 Study of weather Instruments with reference to Principle, Mechanism, and Function

a) Thermograph

b) Barograph

c) Dry and Wet Bulb Thermometer

d) Cup Anemometer

e) Rain Gauge

5.2 Isobaric Patterns: Cyclone, Anticyclone, Col, Ridge, Secondary Depression

5.3 Signs and Symbols used in Indian Daily Weather Maps

5.4 Interpretation of Indian Daily Weather Maps

Marginal Information, Pressure, Winds, Clouds, Rainfall, Other Conditions, Sea Condition, Temperature departure from normal

Module VI : Representation Techniques of Statistical Data **Periods 30**

Marks 10

a) Divided Rectangle
b) Proportional Circle
c) Proportional Square
d) Choropleth Map
e) Dot Map
f) Isopleths

Module VII: Journal and Viva Voce

Marks 10

Note :

1. Use of stencils, log tables, computer and calculator is allowed.
2. Journal should be completed and duly certified by practical in-charge and Head of the Department.

Reference:

1. Bygoot, J: An Introduction to Mapwork and Practical Geography, University Tutorial,
2. London 1964.

3. Khan MD. Zulfequar Ahmad : Text Book of Practical Geography, Concept Publishing Company, New Delhi, 1998
4. Mishra, R.P. and Ramesh A. : Fundamentals of Cartography, Concept Publishing Company, New Delhi, 2000
5. Monkhouse F.J. and Wilkison, H.R.: Maps and Diagrams, Mathuen. London, 1971.
6. Negi. , Dr. Balbir Singh : Practical Geography, Kedar Nath Ram Nath, Meerut, Delhi.
7. Raisz, E.: Principals of Cartography, McGraw Hill Book Com., Inc, New York, 1962.
8. Robinson, A.H. and Sale, S.D.: Elements of Cartography, John Witey and Sons, Inc, New York, 1969.
9. Saha, Pijushkanti and Basu Partha : Advanced Practical Geography – A Laboratory Manual Books and Allied (P) Ltd, Kolkata. 2010.
10. Sarkar, Ashis : Practical Geography: A systematic Approach, Orient Longman limited, Calcutta, 1997.
11. Singh, Gopal : Map work and Practical Geography Vikas Publishing House Pvt. Ltd. New Delhi, 1996.
12. Singh, R and Kanaujia, L.R.S.: Map Work and Practical Geography, Central Book Depot, Allahabad.
13. Singh, R. L. and Rana P.B. : Elements of Practical Geography, Kalyani Publishers, New Delhi – Ludhiana, 1998.
14. Aher A. B., Chodhari A. P. & Bharambe S. N. Techniques of Spatial Analysis Prashant Publication Jalgaon 2015
15. Maurice Yeats, An Introduction to Quantitative Analysis in Human Geography, McGraw Hill, New York, 1974.
16. P. Saha and P. Basu (2006): Advanced Practical Geography, Books and Allied Publication, Kolkata, India.
17. Khullar, Essentials of Practical Geography, New Academic Publishing Co, India.
18. Singh L R (2011): Fundamentals of Practical Geography
19. Robinson Rep. (2010): Elements of Cartography 6/e
20. Khan Za (1998): Text Book of Practical Geography

२१. कुंभार अर्जुन, प्रात्यक्षिक भूगोल,

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B. A. Part-III & B. A. B. Ed.
Sem VI

Geography (Practical)
(Advanced Tools, Techniques & Field Work in Geography)

CBCS PATTERN

(Subject to the modifications to be made from time to time)
Syllabus to be implemented from June 2020 onwards

A) Ordinance and Regulations
(As applicable to degree)
B) Shivaji University, Kolhapur.
Revised Syllabus for
Bachelor of Arts and B. A. B. Ed.
Sem-VI
DSE-E235 or Paper XIV (Practical Paper -II)
Syllabus to be implemented from June 2020 onwards

1. Title: Advanced Tools, Techniques & Field Work in Geography

Optional Subject under the Faculty of Science

2. Year of Implementation: Revised Syllabi will be implemented from June 2020 onwards.

3. Preamble:

Modern science & technology have gained momentum. The last couple of Decades have witnessed a sudden expansion of knowledge. In the process of development of science and technology, the changing nature of subject of Geography will make aware to the students about the advanced techniques such as Remote Sensing, GIS, and GPS. The application of computers has revolutionized the use of methods & techniques. The present syllabus of this paper includes study of Aerial Photographs, Remote Sensing, GIS, Application of Computer and use of field work in Geography. This will further help to improve the use of advanced techniques and methods in teaching-learning and research work.

4. General objectives of the Paper:

1) To introduce the students with the importance of field work and advanced Techniques in Geography.
2) To provide training in application of modern tool and techniques in Geography.
3) To enable the students to understand the use of computer for analysis of Geographical data.
4) To enhance the skill of the students in instrumental survey.
5) To give basic information to the students about Arial Photographs, Remote Sensing, GIS and GPS.

6. COURSE OUTCOMES

5. In depth understanding the importance of field work and advanced Techniques in Geography.
6. The students are trained to implement modern tool and techniques in Geography.
7. Detailed knowledge about the use of computer for analysis of Geographical data.
8. The students are deeply aware about the basics and trained in instrumental survey.

9. The students are deeply familiar with computer, GIS, GPS and Remote Sensing.

6. Duration:

- The course shall be a full time course.
- The duration of course shall be of three years, as applicable to the respective degree.

7. Pattern:

Pattern of Examination will be **ANNUAL.**

8. Fee Structure:

As per Government / University rules.

9. Eligibility for Admission:

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination, if any.

10.Medium of Instruction:

The medium of instruction shall be in English or Marathi. (As applicable to the course / programme concerned)

11. Structure of Course: Theory & Practical's

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission / revision of first year syllabus.)

Third Year (Semester VI) Paper No. XIV

Sr. No.	Subjects/Papers	Theory	Practical	Total marks
1	Advanced Tools, Techniques & Field Work in Geography	-----	100	100

12. Scheme of Teaching and Examination:

(The Scheme of teaching and examination should be given as applicable to the course / paper concerned)

B. A. part –III

Sr. No.	Subjects/Papers	Theory				Examination scheme (Marks)		
		L	T	P	Total	Practical	Term Work	Total (Annual)
1	Advanced Tools, Techniques & Field Work in Geography	---	---	10	10	100	---	100

13. Scheme of Examination:

- The examination shall be conducted at the end of each academic year.
- The Practical paper shall carry 100 marks.

- The evaluation of the performance of the student in practical papers shall be on the basis of annual practical examination of 100 marks.
- Question Paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each Module of syllabi.

14. Standard of Passing:

(As prescribed under rules & regulation for each degree / program)

15. Nature of Question Paper and Scheme of Marking:

(Module wise weightage of marks should also be mentioned)

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS

(For revised Syllabus)

Sr. No.	Title of Old Paper	Title of New Paper
1	Advanced Tools, Techniques & Field Work	Advanced Tools, Techniques & Field Work in Geography (DSE-E235 or Paper No. XIV)

17. Special Instructions, If any.

Revised Syllabus for B. A. – III and B. A. B. Ed.

(Introduced from June 2020 Onwards)

Revised Syllabus for

B. A. (Part III) Geography

DSE-E235 or Paper No. XIV (Practical Paper -II)

(ii) Title of Paper - Advanced Tools, Techniques & Field Work in Geography(100 Marks)

Module-I: Introduction to Computer **Lectures- 50**

Marks-10

1.1: Introduction to Computer

1.2: Application of computer in geography

1.2.1: Construction of Line Graphs, Bar Graphs

1.2.2: Construction of Pie Diagram and Scatter Diagram

1.3: Application of Excel for Data Analysis

Module:-II: Remote Sensing **Lectures- 50**

Marks-15

2.1 Definition of Remote Sensing

2.2 Fundamentals of Remote Sensing: EMR, Sensors and Platforms

2.3 Application of Remote Sensing in Geography

2.4 Aerial photographs and Satellite imagery: Definition, types and difference between them

2.5 Determination of Photo Scale

2.6 Elements of image interpretation

2.7 Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery

Module-III: GIS and GNSS **Lectures- 50**

Marks-15

3.1 Geographical Information System (GIS)

3.1.1 Definition and components

3.1.2 GIS Data Structure: Types (spatial and non-spatial), Raster and Vector data

3.1.3 Georeferencing, Digitization, Map Layout Preparation

3.1.4 Application of GIS in Geography: Land use or Land Cover, Urban Sprawl Analysis, Forests Monitoring

3.2 Global Navigation Satellite System

3.2.1 Definition and components

3.2.2: GPS and its applications in Geography

3.2.3 Field work in GPS: Determining latitude, longitude and altitude

3.3: Exercise with Google earth Program.

Module-IV: Statistical methods and techniques Lectures- 60

Marks-10

4.1 Measures of Central Tendency: Mean, Median and Mode

4.2 Dispersion: Mean Deviation and Standard Deviation

4. 3Association and Correlation: Karl Pearson's Method (Product Moment)

4.4 Analysis of Time Series: Semi-average Method

Module-V: Surveying Lectures- 60

Marks-15

5.1 Introduction to Survey: Meaning and types

5.2 Preparation of plans of the given area with the following survey method

(Any one methods among them)

A- Plane Table survey (Radial, Intersection, and Traverse method)

B- Dumpy Level survey

C- Theodolite survey

D- Total Station

E- Abony Level Survey

5.3 Preparation of plans Prismatic compass survey (Radical, Intersection and Traverse method)

5.3.1 Types and conversion of bearings.

5.3.2 Correction of bearing.

Module-VI: Project work based on field work any one of following:

Marks-15

Resource survey, Population survey, Agricultural survey, Settlement Survey, Environmental issues, Industrial visit, Health survey, Natural Hazard or Disaster

1. Project Report must be content of following points:

Introduction – Aims – Objectives - Review of the literature - Data collection – Methodology - Data Analysis – Interpretation - Findings – Suggestions - Bibliography

2. The duration of the field work should not exceed than 20 days.
4. The word count of the report should be about 8000 to 12,000 excluding figures, tables, photographs, maps, references and appendices.
5. One copy per student of the report as per research standard should be submitted at the time of examination.

Module- VII: Study Tour

Marks-10

Maximum 15 days of Study Tour and preparation of Tour Report.
The Study Tour Report must be content of following points:
Introduction – Necessity – Importance - Route map – Objectives – Methodology - Geographical Profile (Natural, Socio-economic and Cultural) - Geographical importance of visited tourist places – Conclusion – References

Journal and Viva Voce

Marks 10

Note :

1. Use of stencils, log tables, computer and calculator is allowed.
2. Journal should be completed and duly certified by practical in-charge and Head of the Department.

Reference:

21. Lo C. P., Albert K. W. Yeung, (2011): Concepts and Techniques of Geographic Information Systems, PHI Learning Private Limited, New Delhi-110001.
22. Bygoot, J: An Introduction to Mapwork and Practical Geography, University Tutorial,
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24. Khan MD. Zulfequar Ahmad : Text Book of Practical Geography, Concept Publishing Company, New Delhi, 1998
25. Mishra, R.P. and Ramesh A. : Fundamentals of Cartography, Concept Publishing Company, New Delhi, 2000
26. Monkhouse F.J. and Wilkison, H.R.: Maps and Diagrams, Mathuen. London, 1971.
27. Negi. , Dr. Balbir Singh : Practical Geography, Kedar Nath Ram Nath, Meerut, Delhi.
28. Raisz, E.: Principals of Cartography, McGraw Hill Book Com., Inc, New York, 1962.
29. Robinson, A.H. and Sale, S.D.: Elements of Cartography, John Witey and Sons, Inc, New York, 1969.

30. Saha, Pijushkanti and Basu Partha : Advanced Practical Geography – A Laboratory Manual Books and Allied (P) Ltd, Kolkata. 2010.
31. Sarkar, Ashis : Practical Geography: A systematic Approach, Orient Longman limited, Calcutta, 1997.
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35. Aher A. B., Chodhari A. P. & Bharambe S. N. Techniques of Spatial Analysis Prashant Publication Jalgaon 2015
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40. Robinson Rep. (2010): Elements of Cartography 6/e
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SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A++' Grade
CHOICE BASED CREDIT SYSTEM
Syllabus For

B. A. Part - I

GEOGRAPHY

(Syllabus to be implemented from June, 2022 onwards)

Shivaji University, Kolhapur

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with Learning Outcomes-Based Curriculum Framework (LOCF) of National Education Policy (NEP) 2020

for B.A. / B.Sc. Geography Degree (Basic/Honours)

w.e.f. Academic Year 2022-23 and onwards

PREAMBLE

This course intends to acquaint the students with various dimensions of, as also the challenges, confronting the physical geography. The Geography students of B. A. Part-I can betterly understand all modern concepts in Physical Geography and Human Geography in brief but in adequate manner. Geography has emerged through time as a transdisciplinary subject integrating the regional diversity with the concepts of the timing of space and the spacing of time. It provides broad, human and place-centred perspectives on the transformation of rural ecology to globalized urban landscape at different levels, from the local/regional/national to global. Geography is transformed through:

- Study from Local to Global ecology and its planning
- Traditional Techniques to Contemporary Spatial Information Technology
- Macro to Micro-level Social Perception Approach

OBJECTIVES

The objective of this course is to introduce the latest concepts in Physical Geography and Human Geography, Specifically in Atmosphere, Lithosphere, Fluvial Cycle, Hydrosphere, Human races, Population growth, Characteristics of Population and Settlements.

ELIGIBILITY FOR ADMISSION

Candidates who have passed any PUC Science, Commerce, Arts examinations in Maharashtra State or any other States in India with equal qualifications are eligible for admission to the course.

DURATION OF THE COURSE

The duration of the B.A./B.Sc. Geography Program shall extend over 8 semesters (four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

MEDIUM OF INSTRUCTION:

The medium of instruction shall be Marathi and English.

PROGRAM OUTCOMES

By the end of the program the students will be able to:

PO1: Relating to Knowledge

1.1 Provide explanation of definitions, relevant terms and concept of geography.

1.2 Provide better explanation about relevant principles, theories and models in geography.

1.3 Provide idea about detail knowledge regarding man and environmental process.

PO2: Understanding and application

2.1 Know the importance of spatio-temporal scale.

2.2 Know the relation or complex neture between physical and human environments.

2.3 Identify the importance of places, environment and people.

2.4 Understand how processes bring changes in systems and its distribution.

PO3: Students Skills

3.1 Collection, representation and Interpretation of geographical data and sources.

3.2 Presentation of geographical evidence and ideas with identifying geographical trends and patterns.

3.3 Application of the cartographical techniques to support the inferences of geographical aspects.

3.4 Make obvious skill of analysis of geographical information.

PO4: Students Evaluation

4.1 Critically evaluate the basics of geography.

4.2 Assess the effects of geographical processes and its impact on physical and human environments.

4.3 Assess how the viewpoints of different groups of people, potential conflicts of interest and other factors interact in the management of physical and human aspects.

4.4 Evaluate the relative success of failure of initiatives.

PROGRAMME SPECIFIC OUTCOME (PSO)

B. A. Part-I

1) The Students are known the branches of Geography and latest concepts in Physical Geography Specifically in Atmosphere, Lithosphere, Fluvial Cycle and Hydrosphere.
2) The students are understood the Human races, Population growth, Characteristics of Population and Settlements.

SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)

- The Theory paper shall carry internal 10 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Continuous Evaluation Methods (40 Marks):

Q. 1: Multiple Choose Question (05)

Q. 2: Write short notes (any three) (15)

Q. 3: Write detail answers on any two (20)

Internal Evaluation 10 Mark

B.A.-I Semester-I - Home Assignment / Unit Test / Practical / Case Study

B.A.-I Semester-II – Home Assignment **/** Unit Test / Practical / Case Study

B. A. Part-I Semester I

Geography

(THEORY with Practical)

Title of the Course: Physical Geography **Code:** DSC B10

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Classes per week
04	60	04

Course Outcomes

1. Students will be able to understand the basic concepts in Physical Geography.
2. Students understand basic terms used to describe physical processes and landscape forms.
3. Students understand the atmosphere.
4. Students understand the concept of maps and globe.

Course Objectives

This course aims to

1. To study basic principles of the Physical Geography.
2. To understand the lithosphere, denudation, landforms, atmospheric elements and structure.
3. To understand the concept of maps and globe.

Syllabus

Semester - I

	Teaching Hours	Credits
Module – I Introduction to Physical Geography	10	0.75
1.1 Meaning and Definitions		
1.2 Scope of Physical Geography		
1.3 Branches of Physical Geography		
1.4 Importance of Physical Geography		
Module – II Lithosphere	10	01
2.1 Interior of the earth		
2.2 Wagner's Continental Drift Theory		
2.3 Earthquakes – Causes and Effects		
2.4 Volcano – Causes and Effects		
Module – III Denudation	15	01
3.1 Weathering: Concept and Types		
3.2 Davis Concept of Cycle of Erosion		
3.3 Erosional Landforms of River.		
3.4 Depositional Landforms of River.		

Module- IV Atmosphere	15	01
4.1 Composition and Structure of Atmosphere		
4.2 Insolation: Factors affecting on Insolation		
4.3 Temperature: Distribution of temperature (Vertical and Horizontal)		
4.4 Atmospheric Pressure: Belts and Planetary Winds.		
Module- V Map (Practical)	10	0.25
5.1 Map: Definition, Elements and Types		
5.2 Maps and Globe- Similarities and Differences		
5.3 Significance and Use of Maps and Globe		

Reference Books

1) Clyton K., (1986), Earth Crust, AdusBook , London.

2) Davis W. M., (1909), Geographical Essay, Ginnia Co.

3) Dayal P., (1996), Text Book of Geomorphology, Shukla Book Depot, Patna.

4) Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford University Press, Kolkata.

5) Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford Univ. Press. Monkhouse, (1951), Principle of Physical Geography, McGraw Hill Pub – New York.

6) Pitty A. F., (1974), Introduction to Geomorphology, Methuen London.

7) Singh Savindra, (2000), Physical Geography,PrayagPustakBhavan, 20-A, University Road, Allahabad – 211002.

8) Steers J. A., (1964), The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.

9) Swaroop Shanti, (2006), Physical Geography, King Books, NaiSarak, Delhi – 110006.

10) Wooldridge S. W. and Morgan R. S., (1959), The Physical Basis of Geography and Outline of Geomorphology, Longman Green and Co. London.

Reference Websites

1) http://www.solarviews.com/eng/earth.htm

2) http://www.moorlandschool.co.uk/earth/tectonic.htm

3) https://www.usgs.gov/

4) https://www.ksndmc.org

Suggested equivalent online courses:

https://onlinecourses.swayam2.ac.in/aic19_ge05/preview

https://onlinecourses.swayam2.ac.in/nou21_bt03/preview

B. A. Part-I Semester II

Geography

(THEORY with Practical)

Title of the Course: Human Geography **Code:** DSC B24

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Classes per week
04	60	04

Course Outcomes

1. Students will be able to understand the basic concepts in Human Geography.
2. Students understand basic terms used to describe population, settlements and agriculture.
3. Students understand the concept of Google Earth and Google Map.

Course Objectives

This course aims to

1. To study basic principles of the Human Geography.
2. To understand the concepts and terms regarding the population, settlements and agriculture.
3. To understand the concept of Google Earth and Google Map.

Syllabus

Semester - II

	Teaching Hours	Credits
Module- I Human Geography	11	0.75
1.1 Definitions of Human Geography		
1.2 Scope of Human Geography		
1.3 Branches of Human Geography		
1.4 Importance of Human Geography		
Module –II Population	13	01
2.1 Factors affecting on distribution of population		
2.2 Malthus' theory of Population Growth		
2.3 Demographic Transition Theory		
2.4 Migration: Types and Effects		
Module –III Settlement	13	01
3.1 Types and patterns of rural settlements		
3.2 Functions of Rural Settlements		
3.3 Factors affecting on urbanization		
3.4 Functions of Urban Centers		
Module – IV Agriculture	13	01

4.1 Origin and History of Agriculture

4.2 Types of Agriculture

4.3 Factors affecting on agriculture

4.4 Problems of Agriculture

Module- V Google Earth 10 0.25

5.1 Concept of Google Earth

5.2 Application of Dot, Line and Polygon according to Feature

5.3 Exercises with Google Earth Programme

Reference Books

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Hassan, M.I. (2005) Population Geography, Rawat Publications, Jaipur
3. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
4. Johnston R; Gregory D, Pratt G. et al. (2008) TheDictionary of Human Geography, Blackwell Publication.
5. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
6. Kaushik, S.D. (2010) ManavBhugol, Rastogi Publication, Meerut.
7. Maurya, S.D. (2012) ManavBhugol, ShardaPustakBhawan. Allahabad.
8. Hussain, Majid (2012) ManavBhugol. Rawat Publications, Jaipur
9. BeaujeuGamier : Geography of Population, Longman, Lindon-1978
10. Clarke J.I. : Population Geography, Pergam on Press Oxford – 1972
12. HaggetPetter : Human Geography
13. Ghosh B.N. : Fundamentals of Population Geography
14. Hussin M. : Human Geography 1994
15. Money D.S. : Human Geography
16. Perpillou A.V. : Human Geography, Longman, London- 1986
17. Robinson H. : Human Geography, 1976
18. Mishra &Puri : Indian Economy 2004
19. India- 2008 : Govt. of India
20. Hassan Mohammead I. : Population Geography, 2005
21. BhendeAsha&KanitkarTara :Principlas of Population studies
22. Perillouav : Human Geography, 1986

23. Singh, R.Y. : Geography of Settlement, 1998

24. Singh, Gopal :Mapwork& Practical Geography, 1999

25. Sawant S.B. &Athavale A.S. Population Geography, Mehata publishing house, Pune

26. Chandana R.C. : Geography of Population, Kalyani Pub. Ludhayana 1988

२७. सवदी.ए.बी. आणि कोळेकर .पी.एस.व लोक संख्या भूगोल निराली प्रकाशन पुणे.

२८. ताचोळे द.धो.–लोकसंख्याशास्त्र.

२९ .पवार, अडसुळ, फुले ,पाटील–मानवी भूगोल सप्रेम प्रकाशन कोल्हापूर.

३०. प्रकाश सावंत–भूरूपशास्त्र व हवामानशास्त्र, फडके प्रकाशन

Reference Websites

1) http://www.solarviews.com/eng/earth.htm

2) http://www.moorlandschool.co.uk/earth/tectonic.htm

3) https://www.usgs.gov/

4) https://www.ksndmc.org

Suggested equivalent online courses:

https://onlinecourses.swayam2.ac.in/aic19_ge05/preview

https://onlinecourses.swayam2.ac.in/nou21_bt03/preview

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A' Grade

CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - I

Economics

(Syllabus to be implemented from June, 2018 onwards.)

Course Structure for B.A. Economics
Three Years (6 Semester) Programme

B.A. I

Sr.No.	Semester	Name of the Course	Discipline Specific Elective
1	I	Indian Economy-I	Economics Course-1
2	II	Indian Economy-II	Economics Course-2

B.A. II

Sr.No.	Semester	Name of the Course	Discipline Specific Elective
1	III	Principles of Macro Economics-I	Economics Course-3
2	III	Money and Banking	Economics Course-4
3	IV	Principles of Macro Economics-II	Economics Course-5
4	IV	Banks and Financial Markets	Economics Course-6

B.A. III

Sr.No.	Semester	Name of the Course	Discipline Specific Elective
1	V	Principles of Micro Economics-I	Economics Course-7
2	V	Economics of Development	Economics Course-8
3	V	International Economics-I	Economics Course-9
4	V	Research Methodology in Economics-I	Economics Course-10
5	V	History of Economic Thoughts-I	Economics Course-11
6	VI	Principles of Micro Economics-II	Economics Course-12
7	VI	Economics of Planning	Economics Course-13
8	VI	International Economics-II	Economics Course-14
9	VI	Research Methodology in Economics-II	Economics Course-15
10	VI	History of Economic Thoughts-II	Economics Course-16

Choice Based Credit System
B.A. Part - I
Economics Course – 1

June 2018 onwards

Indian Economy - I

Preamble : This paper intends to acquaint the students with various dimensions of, as also the challenges, confronting the Indian economy. It endeavors to provide useful insights to the students about the present economic standing and composition of the Indian economy, the major sectors and their relative importance in the Indian economy and the major challenges faced by it.

Objectives : 1.To introduce the students to the Indian economy.

2.To develop an understanding of challenges facing the Indian economy.

3.To acquaint the students with Structure of the Indian economy and Changes Taking Place therein.

Semester - I

		Teaching Hours	Credits
Module – I	**Economic Development Since Independence**	**15**	**01**
1.1	Major Features of the Indian Economy at Independence		
1.2	Structural Changes in Indian Economy		
1.3	Indian Economy and Inclusive growth		
1.4	Sustainable Development		
Module – II	**Challenges before Indian Economy - I**	**15**	**01**
2.1	Poverty - Meaning and concept		
2.2	Poverty - Causes and measures		
2.3	Unemployment - Meaning and Types		
2.4	Unemployment - Causes and Measures		
Module – III	**Challenges before Indian Economy - II**	**15**	**01**
3.1	Problem of rising economic and social inequality		
3.2	Measures to correct economic and social inequality		
3.3	Problems and Remedies of regional imbalances in India.		
3.4	International Comparison : National Income, Per Capita Income, Human Development Index.		
Module – IV	**Population in India**	**15**	**01**
4.1	Size and Causes of growth of population India		
4.2	Broad features of Indian Population		
4.3	Impact of population growth on Economic development		
4.4	Population Policy 2000		

REFERENCE BOOKS

1. Puri V.K., Misra S.K.(Latest Edition) Indian Economy, Himalaya Publishing House, Mumbai.
2. Agrawal A.N. (Latest Edition) Indian Economy, New Age International Publishers, New Delhi.
3. Datt and K.P.M.Sundharam, (Latest Edition) Indian Economy, S.Chand and Company Ltd., New Delhi.
4. Chatterjee and Mani N. (2012-13), Economic Survey of India its states, New Century Publications, New Delhi.
5. Desai Mutalik and Bhalerao Nirmal (Latest Edition) *Bharatiya Arthvyavasta,* Nirali Prakashan, Pune.(In Marathi Language)
6. Dr.Wavare and Dr. Ghatage (2010), *Bharatiya Arthvyavasta,* Nirali Prakashan, Pune.(In Marathi Language)
7. India 2014-15.
8. Handbook of Indian Statistics - 2015.
9. Economic Survey of India - Various issues
10. World Development Report - Various issues

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B.A.-I
Economics Course – 2

June 2018 onwards

Indian Economy - II

Preamble : This paper intends to acquaint the students with various dimensions of, as also the challenges, confronting the Indian economy. It endeavors to provide useful insights to the students about the present economic standing and composition of the Indian economy, the major sectors and their relative importance in the Indian economy and the major challenges faced by it

Objectives : 1. To acquaint the students with the policies and performance of major sectors in Indian Economy.
2.To explain the economic reforms introduced in India since 1991.

Semester – II

	Teaching Hours	Cerdits
Module – I Policies and Performance in Agriculture	**15**	**01**

1.1 Changing role of agriculture in Indian Economy

1.2 Agricultural productivity : concepts, causes of low agricultural productivity and its measures.

1.3 Green Revolution : Causes, Success and failure, Need of 2nd Green Revolution.

1.4 Agricultural Pricing and Procurement

Module - II Policies and Performance in Industry **15** **01**

2.1 Need of Industrialization

2.2 Industrial Policy since 1991

2.3 Problems and prospects of Cottage and Small scale Industries

2.4 Foreign Investment Policies since 1991

Module – III Service Sector in India **15**

3.1 Growing importance of service sector

3.2 Significance of Banks, financial Institutions and Insurance

3.3 Importance of IT, Transport, Communication.

3.4 Importance of Tourism.

Module – IV Economic Reforms **15** **01**

4.1 Liberalization : Concept, Implementation and Impact on Indian Economy.

4.2 Privatization : Concept, Implementation and Impact on Indian Economy.

4.3 Globalization : Concept, Implementation and Impact on Indian Economy.

4.4 Recent export promotion policy.

REFERENCE BOOKS

1. Puri V.K., Misra S.K.(Latest Edition) Indian Economy, Himalaya Publishing House, Mumbai.
2. Agrawal A.N. (Latest Edition) Indian Economy, New Age International Publishers, New Delhi.
3. Datt and K.P.M.Sundharam, (Latest Edition) Indian Economy, S.Chand and Company Ltd., New Delhi.
4. Chatterjee and Mani N. (2012-13), Economic Survey of India its states, New Century Publications, New Delhi.
5. Desai Mutalik and Bhalerao Nirmal (Latest Edition) *Bharatiya Arthvyavasta,* Nirali Prakashan, Pune.(In Marathi Language)
6. Dr.Wavare and Dr. Ghatage (2010), *Bharatiya Arthvyavasta,* Nirali Prakashan, Pune.(In Marathi Language)
7. India 2014-15.
8. Handbook of Indian Statistics - 2015.
9. Economic Survey of India - Various issues
10. World Development Report - Various issues

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EQUIVALENCE

Sr.No.	Semester	Old Name	New Name
1.	I	Indian Economy Part – I	Indian Economy - I Economics Course 1
2.	II	Indian Economy Part – II	Indian Economy - II Economics Course 2

Course Structure for B.A Economics
Three Years (6 Semester) Program
B.A. Part - I : ECONOMICS

Sr. No.	Semester	Title of the Paper	Disipline	Distribution of Credit	Workload	Total Credit	Theory Marks
1.	I	Indian Economy – I	Economics Course-1	4	4 Lectures/ week	08	50
2.	II	Indian Economy – II	Economics Course-1	4	4 Lectures/ week		50

B.A. Part - II : ECONOMICS

Sr. No.	Semester	Title of the Paper	Disipline	Distribution of Credit	Workload	Total Credit	Theory Marks
1.	III	Principles of Macro Economics- I	Economics Course-3	4	4 Lectures/ week	16	50
2.	III	Money and Banking	Economics Course-4	4	4 Lectures/ week		50
3.	IV	Principles of Macro Economics- II	Economics Course-5	4	4 Lectures/ week		50
4.	IV	Banks and Financial Markets	Economics Course-6	4	4 Lectures/ week		50

B.A. Part - II : GENERIC ELECTIVE

Sr. No.	Semester	Title of the Paper	Category	Course	Distribution of Credit	Workload	Total Credit	Theory Marks
1.	III	Principles of Co-operation	Generic Elective	I	4	4 Lectures/ week	8	50
2.	IV	Co-operatives in India	Generic Elective	II	4	4 Lectures/ week		50

Sr. No.	Semester	Title of the Paper	Category	Course	Distribution of Credit	Workload	Total Credit	Theory Marks
1.	III	LabourWelfare Course I	Generic Elective	I	4	4 Lectures/ week	8	50
2.	IV	Labour Welfare Course II	Generic Elective	II	4	4 Lectures/ week		50

B.A. Part - III : ECONOMICS

Sr. No.	Semester	Title of the Paper	Discipline	Distribution of Credit	Workload	Total Credit	Theory Marks	Term work seminar
1.	V	Principles of Micro Economics –I	Economics Course-7	4	4 Lectures/ week	20	40	10
2.	V	Economics of Development-I	Economics Course-8	4	4 Lectures/ week		40	10
3.	V	International Economics-I	Economics Course-9	4	4 Lectures/ week		40	10
4.	V	Research Methodology in Economics-I	Economics Course-10	4	4 Lectures/ week		40	10
5.	V	History of Economic Thoughts-I	Economics Course-11	4	4 Lectures/ week		40	10
Sr. No.	**Semester**	**Title of the Paper**	**Discipline**	**Distribution of Credit**	**Workload**	**Total Credit**	**Theory marks**	**Term work Group project**
6.	VI	Principles of Micro Economics-II	Economics Course-12	4	4 Lectures/ week	20	40	10
7.	VI	Economics of Planning	Economics Course13	4	4 Lectures/ week		40	10
8.	VI	International in Economics-II	Economics Course14	4	4 Lectures/ week		40	10
9.	VI	Research Methodology in Economics-II	Economics Course15	4	4 Lectures/ week		40	10
10.	VI	History of Economic Thoughts-II	Economics Course16	4	4 Lectures/ week		40	10

B.A. ECONOMICS
EQUIVALENCE

Sr. No.	Class	Semester	Title of the Paper Old	Paper No. Old	Title of the Course (New)
1.	B.A. I	I	Indian Economy Part-I	I	Indian Economy-I Economics course-1
2.	B.A. I	II	Indian Economy Part-II	II	Indian Economy-II Economics course-2
3.	B.A. II	III	Macro Economics Part-I	III	Principles of Macro Economics-I Economics course-3
4.	B.A. II	III	Banks and Financial Institutions Part-I	IV	Money and Banking. Economics course-4
5.	B.A. II	IV	Macro Economics Part-II	V	Principles of Macro Economics-II Economics course-5
6.	B.A. II	IV	Banks and Financial Institutions Part-II	VI	Banks and Financial Markets Economics course-6
7.	B.A. III	V	Micro Economics	VII	Principles of Micro Economics-I Economics course-7
8.	B.A. III	V	Economics of Development	X	Economics of Development-I Economics course-8
9.	B.A. III	V	International Economics-Part-I	XI	International Economics-I Economics course-9
10.	B.A. III	V	Research Methodology in Economics Part-I	VIII	Research Methodology in Economics-I. Economics course-10
11.	B.A. III	V	History of Economic Thoughts Part-I	IX	History of Economic Thoughts Economics course-11
12.	B.A. III	VI	Market and Pricing	XII	Principles of Micro Economics-II Economics course-12
13.	B.A. III	VI	Economics of Planning	XV	Economics of Planning Economics course-13
14.	B.A. III	VI	International Economics-Part-II	XVI	International Economics-II Economics course-14
15.	B.A. III	VI	Research Methodology in Economics Part-II	XIII	Research Methodology in Economics Economics course-15
16.	B.A. III	VI	History of Economic Thoughts Part-II	XIV	History of Economic Thoughts Economics course-16

B.A.II ECONOMICS

GENERIC ELECTIVE

Sr. No.	Class	Semester	Title of the Paper Old	Title of the Course New
1.	B.A. II	III	Principles of Co-operation(IDS) Paper-I	Principles of co-operation Course-I GE
2.	B.A. II	IV	Co-operatives in India (IDS) Paper-II	Co-operatives in India Course-II GE
3.	B.A. II	III	Labour Welfare Part-I (IDS)	Labour Welfare Course-I GE
4.	B.A. II	IV	Labour Welfare Part-II (IDS)	Labour Welfare Course-II GE

Abrivasion: G.E.-Generic Elective

SHIVAJI UNIVERSITY, KOLHAPUR

REVISED SYLLABUS OF B.A. PART II

Principles of Co-operation

Course – I GE (IDS)

To be introduced from June 2019

Semester III

PREAMBLE:

The objective of this paper is to create awareness about the working of co-operatives in Rural and Urban area. The Co-operative movement has been considered as the third important sector in the economy followed by private and public sector. The principles of co-operation and the values of the co-operative institutions need to be studied in Indian Context**.**

UNIT I: INTRODUCTION OF CO-OPERATION (15 Lectures)

1.1 Meaning and Definition of Co-operation
1.2 Features and Importance of Co-operation
1.3 Principles of Co-operation- Development and Manchester Co-operative Principles
1.4 International Co-operative Alliance (ICA) – Organization and Functions

UNIT II: CO-OPERATION AS A FORM OF ORGANIZATION (15 Lectures)

2.1: Capitalism – Features, Merits and Demerits

2.2: Socialism – Features, Merits and Demerits

2.3: Co-operation – A Golden mean between Capitalism and Socialism

2.4: Role of Co-operation in Mixed Economy

UNITIII: ROLE OF STATE IN CO-OPERATION (15 Lectures)

3.1: Role of State in the development of Co-operative movement

3.2: Co-operative Judicial System

3.3: Role of Co-operative Registrar

3.4: Effects of Globalization in Co-operative Movement

UNITIV: CO-OPERATIVE AUDIT (15 Lectures)

4.1: Meaning and Need of Cooperative Audit

4.2: Need and Types of Co-operative Audit

4.3: Role of Co-operative Auditor

4.4: Merits and Demerits of Co-operative Audit System

REFERENCES:

1. Bedi R.D – Theory, history and practice of Co-operation. Loyal Book Depot, Meerut
2. Datta and Sundaram – Indian Economy, S. Chand and Company, New Delhi
3. Dr. C. N. Sontakki – Co-operative Development, Sheth Publication Mumbai
4. Hajela T. N – Principles, Problems and Practice of Co-operation, ShivalalAgarwal Publication, Agra
5. Mathur B.S – Co-operation in India, SahityaBhavan, Agra
6. Mukhi H. R. –Co-operation in India and Abroad, R. B. Publications
7. Dr. Memoria C.B &Saksena R. D – Co-operation in India, KitabMahal Allahabad
8. Karve D.G – Co-operative Principles and Substance
9. Kamat G. S – Principles, Practice and Management of Co-operation

SHIVAJI UNIVERSITY, KOLHAPUR

REVISED SYLLABUS OF B.A. PART II

CO-OPERATIVES IN INDIA

Course – II GE (IDS)

From June 2019

Semester IV

PREAMBLE:

The objective of this paper is to create awareness about the working of co-operatives on Rural and Urban area. The Co-operative movement has been considered as the third important sector in the economy followed by private and public sector. The principles of co-operation and the values of the co-operative institutions need to be studied in Indian Context**.**

UNIT I: CO-OPERATIVE CREDIT IN INDIA (15 Lectures)

1.1: Primary Agricultural Credit Co-operative Societies - Functions, Importance and Problems

1.2: District Central Co-operative Banks- Functions, Importance and Problems

1.3: State Co-operative Bank – Functions, Importance and Problems

1.4: Urban Co-operative Banks – Functions, Problems and Remedies

UNIT II: CO-OPERATIVE MARKETING IN INDIA (15 Lectures)

2.1: Need and Importance

2.2: Structure of Co-operative Marketing

2.3: Problems and Remedies of Co-operative Marketing

2.4: NAFED – Objectives and Functions

UNITIII: CO-OPERATIVE PROCESSING SOCIETIES ININDIA (15 Lectures)

3.1: Role of Co-operative processing societies in rural Development

3.2: Sugar Co-operatives - Problems and Remedies

3.3: Dairy Co-operatives - Problems and Remedies

3.4: Women Empowerment through Co-Operative Processing

UNITIV: ROLE OF NATIONAL INSTITUTIONS IN CO-OPERATION (15 Lectures)

4.1: National Bank for Agricultural and Rural Development (NABARD)

4.2: National Co-operative Development Corporation (NCDC)

4.3: National Co-operative Union of India (NCUI)

4.4: 97th Constitutional Amendment and main changes in Maharashtra Co-operative Societies Act

REFERENCES:

1. Bedi R.D – Theory, history and practice of Co-operation. Loyal Book Depot, Meerut
2. Datta and Sundaram – Indian Economy, S. Chand and Company, New Delhi
3. Dr. C. N. Sontakki – Co-operative Development, Sheth Publication Mumbai
4. Hajela T. N – Principles, Problems and Practice of Co-operation, ShivalalAgarwal Publication, Agra
5. Mathur B.S – Co-operation in India, SahityaBhavan, Agra
6. Mukhi H. R. –Co-operation in India and Abroad, R. B. Publications
7. Dr. Memoria C.B &Saksena R. D – Co-operation in India, KitabMahal Allahabad
8. Karve D.G – Co-operative Principles and Substance
9. Kamat G. S – Principles, Practice and Management of Co-operation
10. Singh L.P – Co-operative Marketing
11. SahakarJagat – Various Issues

Shivaji University, Kolhapur

Revised Syllabus of B.A. II

To be introduced from June, 2019

Money and Banking Paper No. - IV

(Semester III)

Preamble:

To create the awareness among the students and Job Prospects in Banks and Financial Sector. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.

Unit I: Introduction to Banking **15 Lectures**

1.1 Meaning and Functions of Commercial Banks

1.2 Types of Banks - Public, Private, Foreign and Cooperative

1.3 Principles and Investment Policy of Commercial Banks - Balance Sheet of banks

1.4 Processes of Credit Creation and its Limitations

Unit II: Practical Banking **15 Lectures**

2.1 Types and features of Bank Accounts

2.2 Opening, KYC, Operating and Closing of an Account

2.3 Banker's and Customer's Rights and Obligations

2.4 Negotiable Instruments: Main Features

Unit III: Reserve Bank of India **15 Lectures**

3.1 History and Organizational Structure

3.2 Functions of RBI - Traditional and Developmental

3.3 Monetary Policy - Meaning and Objectives

3.4 Instruments of Credit Control

Unit IV: Banking Practices in India **15 Lectures**

4.1 Bank Ombudsman Scheme- Meaning, Power and Duties

4.2 Meaning, Process and Importance of Credit (Loan) Appraisal

4.3 Advantages and Disadvantages of Bank Mergers

4.4 Meaning, Causes and Remedies of NPA

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. BhasinNitin(2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.
9. Vasant Desai, "Bank and Institutional Management", Himalaya Publishing House.
10. Dr. P. K. Srivastava, "Banking Theory and Practices", Himalaya Publishing House
11. GordenNatrajan “Banking Theory law and practices” Himalaya publishing Houses.
12. M.Y. Khan, “Indian Financial System”, Tata McGraw Hill.

Shivaji University, Kolhapur

Revised Syllabus of B.A. II

To be introduced from June, 2019

Banks and Financial Markets Paper No. - VI

(Semester- IV)

Preamble:

To create the awareness among the students and Job Prospects in Banks and Financial Sector. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.

Unit I: Financial System in India **15 Lectures**

1.1 Structure and Importance of Financial System

1.2 Features and Structure of Money Market in India

1.3 Features and Structure of Capital Market in India and Role of SEBI

1.4 Functions of Stock Market in India

Unit II: Indian Financial Institutions **15 Lectures**

2.1 Non-Bank Financial Institutions: Concept and Growth

2.1Loan companies in India, Functioning and problem

2.3 Functions of EXIM Bank

2.4 Mutual Funds: Meaning, Types and Importance

Unit III: Banking Reform **15 Lectures**

3.1 Recommendation of the Narasimham Committee (1991)

3.2 Recommendation of the Narasimham Committee (1998)

3.3 Foreign Direct Investment in Banking

3.4 Concept of Payment Bank and Small Finance Bank

Unit IV: E-Banking Service **15 Lectures**

4.1 E-Banking – Meaning, Features and Types

4.2 Features of Credit and Debit card

4.3 NEFT and RTGS, Cheque Truncation System

4.4 Cyber Crimes in Banking – Meaning, Types and Precaution

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. BhasinNitin(2010), Financial Institutions and Financial Markets in India: Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Wood head Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.
9. Vasant Desai, "Bank and Institutional Management", Himalaya Publishing House.
10. Dr. P. K. Srivastava, "Banking Theory and Practices", Himalaya Publishing House
11. Gorden Natarajan “Banking Theory law and practices” Himalaya publishing Houses.
12. M.Y. Khan, “Indian Financial System”, Tata McGraw Hill.
13. Reserve Bank of India,Report on Trend and progress of Banking in India.

Shivaji University Kolhapur

B.A. Part II Economics

Macro Economics -I (Paper-III) (Sem-III)

Preamble: The purpose of teaching this paper is to introduce the basic primary and analytically important concepts, theories and policies in the working of the economy to the learners. It attempts to enable the students to apply various concepts in the process of policy making, planning of measures to ensure and achieve the fundamental objectives of macroeconomic policy.

Unit 1: Introduction to Macro Economics (Periods -15)

1.1 Meaning, Definitions, Nature and Scope

1.2 Difference between Micro and Macro Economics

1.3 Importance and Limitations

1.4 Macro Economic Variables

Unit 2: National Income (Periods -15)

2.1 Meaning and Definitions

2.2 Different concepts: GDP, GNP ,NNP, GDP at market prices and at factor cost, Per Capita Income, Personal Income, Disposable Income.

2.3 Methods of Measuring National Income: Product, Income and Expenditure.

2.4 Difficulties in the measurement of National Income, Importance of National Income Data.

Unit 3: Money and Value of Money (Periods -15)

3.1 Definitions and Functions of Money.

3.2 Value of Money: Quantity Theory of Money - Transaction Approach, Cash Balance Approach.

3.3 Index Number: Meaning and Types, Construction of Simple and Weighted Index Numbers.

3.4 Importance of Index Number.

Unit 4: Output and Employment (Periods -15)

4.1 Say's Law of Market.

4.2 Keynesian Theory of Employment.

4.3 Consumption Function: Average Propensity to Consume (APC), Marginal Propensity to Consume (MPC), Factors affecting Consumption function.

4.4 Investment Function, Concept of Multiplier.

Reference Books:

1.Jhingan M.L., Macro Economic Theory, Vrinda Publication, Delhi.

2.Mithani D.M., Monetary Theory, Vota and Company, Mumbai.

3.Mithani D.M., Macro Economics, Himalaya Publishing House.

4.Dewett K.K., Modern Economic Theory, S. Chand & Co., Ltd., New Delhi.

5.Ackley G, Macro Economics: Theory and Policy, Macmillan, New York.

6.keynes J.M., General Theory of Employment, Interest and Money, Macmillan and Co. London.

7.Seth M.L., An Introduction to Keynesian Economics, Lakshmi Narain Agarwal, Agra.

8.Fisher Irving, The purchasing power of money, Macmillan New York.

9.Shaprio Edward, Macro Economic Analysis, Galgotia Publication's New Delhi.

10. Dwivedi D. N (2017) Macro Economics – Theory and Policy; Mc Graw Hill Education

11. Ahuja H. L (2017) Advanced Economic Theory; S. Chand & Company, New Delhi

12. Ahuja H. L (2016) Macro Economics Theory and Practices; S. Chand & Company, New Delhi.

13.प्रा. रामदेशमुख, आधुनिकस्थूलअर्थशास्त्र, विद्याप्रकाशननागपूर.

14.जी. एन. झामरे, स्थूलअर्थशास्त्र, पिंपळापुरेअँडकंपनीपब्लिशर्सनागपूर.

15. पाटील जे. एफ. (२०१४) साकलिक अर्थशास्त्रब, फडके प्रकाशन, कोल्हापूर.

Shivaji University Kolhapur

B.A. Part II Economics

Macro Economics - II (Paper-V) (Sem - IV)

Preamble: Macro Economics is aggregative economics which examines the interrelations among the various aggregates. Macro Economics is not only scientific method of analyses, but also a body of empirical economic knowledge. This paper equips the students to understand the basic theoretical framework underling in the field of macro economics.

Unit :1 Inflation **(Periods -15)**

1.1 Meaning, Definitions and Types
1.2 Causes of Inflation
1.3 Effects of Inflation
1.4 Remedies of Controlling Inflation

Unit :2 Trade Cycles **(Periods -15)**

2.1 Meaning and Features.

2.2 Phases of Trade Cycles.

2.3 Theories of Trade Cycles: Hawtrey, Schumpeter.

2.4 Control of Trade Cycles.

Unit :3 Public Finance – I (Periods -15)

3.1 Meaning, Nature and Scope.

3.2 Principle of Maximum Social Advantage.

3.3 Taxation: Direct and Indirect Taxes-Meaning, Merits and Demerits.

3:4 Budget: Budgetary process

Unit: 4 Public Finance-II (Periods -15)

4.1 Public Expenditure: Meaning and Causes of growth of Public Expenditure.

4.2 Public Debt: Meaning, Sources and Effects.

4.3 Deficit Financing: Meaning, types and Methods.

4.4 Fiscal Policy: Meaning, Objectives and Instruments.

Reference Books:

1.Jhingan M.L., Macro Economics Theory,Vrinda Publication, Delhi.

2.Mithani D.M., Monetary Theory,Vota and Company, Mumbai.

3.Mithani D.M., Macro Economics, Himalaya Publishing House.

4.Dewett K.K., Modern Economic Theory,S.Chand & Co., Ltd., New Delhi.

5.Ackley G, Macro Economics: Theory and Policy, Macmillan, New York.

6.keynes J.M., General Theory of Employment, Interest and money, Macmillan and Co.London.

7.Seth M.L., An Introduction to Keynesian Economics, Lakshmi Narain Agarwal,Agra.

8.Fisher Irving, The purchasing power of money, Macmillan New York.

9.Shaprio Edward, Macro Economic Analysis,Galgotia Publication's New Delhi.

10. Ahuja H. L (2017) Advanced Economic Theory; S. Chand & Company, New Delhi
11. Ahuja H. L (2016) Macro Economics Theory and Practices; S. Chand & Company, New Delhi.
12. Lekhi R. L. (2013) Public Finance; Kalyani Publisher New Delhi.

13.प्रा. रामदेशमुख, आधुनिकस्थूलअर्थशास्त्र, विद्याप्रकाशननागपूर.

14.जी. एन. झामरे, स्थूलअर्थशास्त्र, पिंपळापुरेअँडकंपनीपब्लिशर्सनागपूर.

15. पाटील जे. एफ. (२०१४) साकलिक अर्थशास्त्रब, फडके प्रकाशन, कोल्हापूर.

SHIVAJI UNIVERSITY, KOLHAPUR

Revised syllabus for
Bachelor of Arts (Part – III)

SEMESTERV & VI

ECONOMICS

Syllabus to be implemented from June 2020 onwards

Equivalance B.A.III Economics Sem- V

Sem No.	Paper No.	Title of Old Paper	Sem No.	Discipline	Title of New Paper
V	VII	Micro Economics	V	Economics Course - 7	Principles of Micro Economics- I
V	VIII	Research Methodology in Economics (Part I)	V	Economics Course- 10	Research Methodology in Economics- I
V	IX	History of Economic Thoughts (Part I)	V	Economics Course - 11	History of Economic Thoughts- I
V	X	Economics of Development	V	Economics Course - 8	Economics of Development
V	XI	International Economics (Part I)	V	Economics Course - 9	International Economics- I

Equivalance B.A.III Economics Sem- VI

Sem No.	Paper No.	Title of Old Paper	Sem No.	Economics Course	Title of New Paper
VI	XII	Market and Pricing	VI	Economics Course- 12	Principles of Micro Economics- II
VI	XIII	Research Methodology in Economics (Part II)	VI	Economics Course- 15	Research Methodology in Economics- II
VI	XIV	History of Economic Thoughts (Part II)	VI	Economics Course- 16	History of Economic Thoughts- II
VI	XV	Economics of Planning	VI	Economics Course- 13	Economics of Planning
VI	XVI	International Economics (Part II)	VI	Economics Course- 14	International Economics- II

Structure of Course
Revised syllabus of B.A. Part III (Economics)

Sr. No.	Semester	Title of the Paper	Discipline	Distribution of Credit	Workload	Total Credits	Theory Marks	Term work seminar
1	V	Principles of Micro Economics- I	Economics Course- 7	4	4 Lectures / week	20	40	10
2	V	Economics of Development	Economics Course- 8	4	4 Lectures / week		40	10
3	V	International Economics- I	Economics Course- 9	4	4 Lectures / week		40	10
4	V	Research Methodology in Economics- I	Economics Course- 10	4	4 Lectures / week		40	10
5	V	History of Economic Thoughts- I	Economics Course- 11	4	4 Lectures / week		40	10
Sr. No.	**Semester**	**Title of the Paper**	**Discipline**	**Distribution of Credit**	**Workload**	**Total Credits**	**Theory Marks**	**Term work Group Project**
6	VI	Principles of Micro Economics- II	Economics Course- 12	4	4 Lectures / week	20	40	10
7	VI	Economics of Planning	Economics Course- 13	4	4 Lectures / week		40	10
8	VI	International Economics- II	Economics Course- 14	4	4 Lectures / week		40	10
9	VI	Research Methodology in Economics- II	Economics Course- 15	4	4 Lectures / week		40	10
10	VI	History of Economic Thoughts- II	Economics Course- 16	4	4 Lectures / week		40	10

B. A. III Economics (Semester V) (CBCS Pattern)

Principles of Micro Economics- I

(Elective Course- 7) DSE E-71

Course Outcomes: After successful completion of this course, the students will be able to:

- Explain what economics is and explain why it is important
- Understand consumer decision making and consumer behaviour
- Define the concept of utility and satisfaction
- Derive revenue and cost figures as well as curves
- Understand producer decision making and producer behaviour

Module- I Introduction to Micro Economics (Teaching Hours- 15, Credits- 01)

1.1 Meaning, nature and scope
1.2 Importance and limitations
1.3 The Economic Problem- Scarcity and Choice; concept of opportunity cost
1.4 Framework of economic analysis- Concept, module, parameters

Module- II Consumer's Behaviour (Teaching Hours- 15, Credits- 01)

2.1 Utility- concept, total and marginal utility
2.2 Cardinal utility approach: law of diminishing marginal utility
2.3 Ordinal utility approach: meaning and properties of indifference curve
2.4 Consumer's equilibrium and consumer's surplus

Module- III Demand and Supply Analysis (Teaching Hours- 15, Credits- 01)

3.1 Law of demand, demand function, determinants of demand
3.2 Elasticity of demand: price, income, cross and substitution
3.3 Measurement and importance
3.4 Law of supply, supply function and elasticity

Module- IV Theory of Production (Teaching Hours- 15, Credits- 01)

4.1 Law of variable proportions and law of returns to scale
4.2 Economies and diseconomies of scale
4.3 Revenue- total, marginal and average revenue
4.4 Cost concepts and their relationship, cost curves- short run and long run

BASIC READING LIST:

1. Dominic Salvator (2012) – Principles of Micro Economics, 5th edition, Oxford University Press, Oxford.
2. John B. Taylor & Akila Weerapana, (2011) 'Principles of Economics', 7th Edition, Cengage Learning, India, New Delhi.

3. Koutsoyiannis, A. (1979), Modern Microeconomics, 2nd Edition, Macmillan Press, London.
4. Lipsey Richard G., (latest edition), An Introduction to Positive Economics, Weidenfeld & Nicolson, London.
5. Lipsey, R.G. and K.A. Chrystal (latest edition), Principles of Economics (IX Ed.), Oxford University Press, Oxford.
6. Mankiw, N. Gregory (2008),Principles of Microeconomics, 5th Edition, Cengage Learning India, New Delhi.
7. Mansfield, E (latest edition), Microeconomics (9th Ed) W.W. Norton and Company, New York.
8. Pindyek and Rubinfield (latest edition)- Micro Economics, Pearson Education, New Delhi.
9. Ray, N.C. (latest edition), An introduction to Microeconomics, Macmillan company of India Ltd.
10. Samuelson, P.A. and W.D. Nordaus (latest edition), Economics, Tata McGraw Hill, New Delhi.
11. Stonier, A.W. and D.C. Hague (latest edition), A Textbook of Economic Theory, ELBS and Logman Group, London.
12. Varian, Hall (1992): Microeconomic Analysis, Third Edition, W. W. Norton & Company, Inc, New York.

B. A. III Economics (Semester V) (CBCS Pattern)
Economics of Development

(Elective Course- 8) DSE – E - 72

Course Outcomes: After successful completion of this course, the students will be able to:

- Identify the dimensions of development
- Distinguish the fundamental and contemporary development debate
- Know the theories of economic development
- Realise the role of state in economic development

Module- I: Basic concepts of economic development (Teaching Hours- 15, Credits- 01)

1.1 Meaning of economic development- Distinction between economic development and growth
1.2 Indicators of economic development
1.3 Obstacles to economic development
1.4 Sustainable and green development

Module- II: Developing and developed countries (Teaching Hours- 15, Credits- 01)

2.1 Underdevelopment and characteristics
2.2 Factors affecting economic development
2.3 Features of economic growth
2.4 Developmental status of Indian economy

Module- III: Theories of economic development (Teaching Hours- 15, Credits- 01)

3.1 Classical approach to development- Ricardian Theory
3.2 Myrdal's theory of economic development
3.3 Rostow's stages of economic growth
3.4 Theory of balanced and unbalanced growth

Module- IV: Resources for economic development (Teaching Hours- 15, Credits- 01)

4.1 Capital formation, Technology and economic development
4.2 Human capital and economic development
4.3 FDI, FIIs, Portfolio and Aid
4.4 Role of state in economic development

BASIC READING LIST:

1. Adelman, Irma (1962), *Theories of Economic Growth and Development*, Stanford University Press, Stanford.
2. Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 1to 3, Elsevire, Amsterdam. Economics 31
3. Ghatak, Subrata (1986), *Introduction to Development Economics*, Allen and Unwin, London.
4. Hayami, Yujiro and Yoshihisa Godo (1997), *Development Economics*, Oxford University Press, New York.
5. Higgins, Benjamin (1980), *Economic Development*, Norton, New York.

6. Kindleberger, C.P. (1965), *Economic Development*, 3e, McGraw Hill, New York.
7. Meier, Gerald M. and James E. Rauch (2005), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi.
8. Myint, Hla (1965), *The Economics of Underdeveloped Countries*, Preager, New York.
9. Myint, Hla (1971), *Economic Theory and Under Developed Countries*, Oxford University Press, New York.
10. Thirlwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, London.
11. Bhagwati, J. and P. Desai (1970), *India : Planning for Industrialization*, Oxford University Press, London.
12. Boserup, Ester (1981), *Population and Technological Change : A Study of Long Term Change*, Chicago University Press, Chicago.
13. Brahmananda, P.R. and C.N. Vakil (1956), *Planning for an Expanding Economy,* Vora and Co., Bombay.
14. Puri V. K. And S. K. Misra (2016), *Economics of Development and Planning*, Himalaya Publishing House.
15. Datta Gaurav and Ashwini Mahajan (2016), *Indian Economy*, S. Chand Publishing, New Delhi
16. Todaro Michael P. And Stephen C. Smith (2017), *Economic Development,* Pearson Education.
17. Chakravarti, Sukhamoy (1982), *Alternative Approaches to the Theory of Economic Growth,* Oxford University Press, Delhi.
18. Chakravarty, Sukhamoy (1987), *Development Planning : The Indian Experience,* Clarendon Press, Oxford.
19. Jhingan, M.L. (2005) *The Economics of Development and Planning* , Vrinda Publications Ltd. Delhi
20. Lekhi, R.K. (2005) *Economics of Development and Planning*, Kalyani Publishers, Delhi.
21. Patil, J. F. (et al) (2005) *Economics of Growth and Development* (Marathi) , Phadake Publishers, Kolhapur.
22. Patil, J.F. & Tamhankar, P.J. (1990) *Economics of Development and Planning* (Marathi), Continental Publishers, Pune.
23. Kavimandan (1975), *Economics of Development and Planning* (Marathi), Mangesh Prakashan , Nagpur

B. A. III Economics (Semester V) (CBCS Pattern)
International Economics- I
(Elective Course- 9) DSE – E 73

Course Outcomes: After successful completion of this course, the students will be able to:

- Explain international trade
- Understand the measurement of gains from international trade
- Distinguish different rates of exchange
- Measure the terms of trade

Module- I: Trade and Trade Theories (Teaching Hours- 15, Credits- 01)

1.1 Importance of the study of International Economics

1.2 Inter-regional and international trade: similarities and dissimilarities.

1.3 Ricardian theory of international trade

1.4 Hecksher – Ohlin Theory

Module- II: Gains from International Trade (Teaching Hours- 15, Credits- 01)

2.1 Gains from international trade and their measurement

2.2 Trade as an engine of economic growth.

2.3 Terms of trade: meaning, concepts and application

2.4 Factors affecting terms of trade

Module- III: Exchange Rate (Teaching Hours- 15, Credits- 01)

3.1 Meaning of exchange rate, Purchasing Power Parity theory

3.2 Fixed Exchange Rate – meaning, merits and demerits

3.3 Flexible Exchange Rate – meaning, merits and demerits

3.4 Floating Exchange Rate – meaning, merits and demerits

Module- IV: Tariffs and Quotas (Teaching Hours- 15, Credits- 01)

4.1 Free Trade: meaning, arguments for and against

4.2 Trade Protection Policy: meaning, arguments for and against.

4.3 Tariffs:meaning, types and effects

4.4 Quotas:meaning, types and effects.

BASIC READING LIST:

1 Aggarwal, M. R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

2 Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.

3 Crockett. A. (1982), International Money: Issue and Analysis, ELBS and Nelson, London.

4 Greenaway. D. (1983), International Trade Policy, MacMillan Publishers Ltd., London.
5 Heller, H. R. (1968), International Monetary Economics, Prentice Hall. India.
6 Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford
7 Kenan, P.B. (1994), The International Economy, Cambridge University Press, London.
8 Kindlberger, C. P. (1973), International Economics, R.D. Irwin, Homewood.
9 Krugman, P. R. and M. Obstgeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
10 Mithani D.M. (Reprint-2009) International Economics, Himalaya Publishing House, New Delhi.
11 Nayyar,D. (1976) : India's Exports and Export Policies in the 1960s, Cambridge University Press, Cambridge.
12 Panchmukhi, V. R. (1978), Trade Policies of India: A Quantitative Analysis, Concept University Press, Delhi.
13 Patel, S. J. (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
14 RuddarDatt& K.P.M. Sundaram, (2018), Indian Economy, S. Chand & Co. Ltd., New Delhi
15 Salvatore, D. L. (1997), International Economics, Prentice- Hall, Upper Saddle River, N. J.
16 Singh, M. (1964), India Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, Oxford.
17 Sodersten, Bo (1991), International Economics, MacMillan Press Ltd. London

B. A. III Economics (Semester V) (CBCS Pattern)

Research Methodology in Economics- I

(Elective Course- 10) DSE – E 74

Course Outcomes: After successful completion of this course, the students will be able to:

- Get acquainted with the basic concepts of research and its methodologies.
- Select and define appropriate research problem and parameters.

Module- I: Introduction to research in economics (Teaching Hours- 15, Credits- 01)

1.1 Meaning, definitions and objectives of research

1.2 Types of research

1.3 Significance of research

1.4 Areas of economic research

Module- II: Literature review and research design (Teaching Hours- 15, Credits- 01)

2.1 Literature review- meaning, need, how to carry out a literature review?

2.2 Research design- steps in research design

2.3 Features of good research design

2.4 Importance of research design

Module- III: Hypothesis and concept (Teaching Hours- 15, Credits- 01)

3.1 Meaning and definition, kinds of hypothesis

3.2 Features of hypothesis

3.3 Importance of hypothesis

3.4 Concept- meaning, conceptualization, formal and operational definition of concept

Module- IV: Data collection (Teaching Hours- 15, Credits- 01)

4.1 Primary and secondary data

4.2 Primary data collection methods- observation, questionnaire, interview

4.3 Sources of secondary data

4.4Importance of data collection

BASIC READING LIST:

1. Goode and Hatt(1981), Methods in Social Research, McGraw Hill International Book Company, New Delhi.
2. Kerliger F.N.(1983), Foundation of Behavioural Research, Surjeet Publication,Delhi.
3. Young P. V. (1960), Scientific Social Survey and Research, Asia Publication House,Mumbai.

4. Kothari C.R. (1993), Research Methodology-Methods and Techniques, Wiley Eastern Ltd.,New Delhi.
5. Lundbrg G.A.(1960), Social Research, Longmans Green and Company, New York.
6. Herekar P .M.(2019), Research Methodology and Project Work, Phadake Prakashan,Kolhapur.
7. Settiz Claire,Jahoda Marie and Others(1959), Research Methods in SocialResearch,Dryden New York.
8. Takur Dvendra(1997), Research Methodology in Social Sciences, Deep and Deep Publication,New Delhi.
9. Gupta S.P.and Gupta M.P.(2005), Business Statistics, Sultan Chand & Sons, New Delhi
10. Gupta C.B.(1996), An Introduction to Methods, Vikas Publication House,New Delhi.
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12. पाटील ज.फा., पठाण के.जी., ताम्हणकर पी.जे., संतोष यादव (2012) : 'अर्थशास्त्रीय संशोधनाची तोंडओळख', (सुधारित आवृत्ती), कॉन्टिनेंटल प्रकाशन, पुणे.
13. आगलावे प्रदीप (जानेवारी 2000) : 'संशोधन पध्दतीशास्त्र व तंत्रे', विद्या प्रकाशन, नागपूर.
14. खैरनार दिलीप (फेब्रुवारी 2009) : 'प्रगत सामाजिक संशोधन पध्दती व सांख्यिकी', डायमंडपब्लिकेशन्स, पुणे.
15. भांडारकर पु.ल. (1987) : 'सामाजिक संशोधन पध्दती', महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.

B. A. III Economics (Semester V) (CBCS Pattern)

History of Economic Thoughts- I

(Elective Course- 11) DSE – E 75

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the basic economic ideas of various economic thinkers of the world
- Understand the development of economic thoughts

Module-I: Origin of Economic Thoughts (Teaching Hours- 15, Credits- 01)

1.1 Early economic thought, rise of mercantilism, features of Mercantilism
1.2 Meaning and causes of emergence of Physiocracy
1.3 The concept of natural order and primacy of agriculture
1.4 Tableau economique

Module- II: Classical Economic Thoughts (Teaching Hours- 15, Credits- 01)

2.1 Adam Smith: Division of labour, theory of value and canons of taxation
2.2 David Ricardo: Theory of Value and views on distribution
2.3 Thomas Malthus: Theory of Population
2.4 Theory of Gluts

Module- III: Economic Thoughts of Fredrick List (Teaching Hours- 15, Credits- 01)

3.1 Criticism on Classical School
3.2 Stages of Economic growth
3.3 Concept of Nationalism
3.4 Theory of Protectionism

Module- IV: Economic Thoughts of Karl Marx (Teaching Hours- 15, Credits- 01)

4.1 The Concept of Scientific Socialism and Meterialist approach
4.2 The Theory of Value
4.3 Theory of Surplus Value
4.4 Concept of Falling rate of profit

BASIC READING LIST:

1. Dandekar V.M.and N.Nath (1971), Poverty in India, Indian school of political Economy, Pune.
2. Ganguli B. N. (1977): Indian Economic Thought - A 19th Century Perspectives,Tata Mc Grow Hill, New Delhi.
3. Rath Nilkanth(1995) V.M.Dandekar Social Scientist with a Difference : Journal of Indian School of Political Economy.Oct-Dec.1995, Vol-7 No-4.
4. Seshadri G.B.(1997): Economic Doctrines, Publishing Corporation, New Delhi.
5. चा.भ.खैरमोडे (१९७८) – डॉ.भीमराव रामजी आंबेडकर, खंड १ ला , खंड २ रा खंड ७ वा, प्रताप प्रकाशन.

6. गांधी मो.क.(१९९७) -मराठी अनुवाद सीताराम पुरोषोत्तम पटवर्धन'सत्याचे प्रयोग अथवा आत्मकथा पाचवी आवृत्ती.
7. डॉ.जे.एफ.पाटील (२०१५)– आर्थिक विचारांचा इतिहास, फडके प्रकाशन, कोल्हापूर.
8. इंगळे बी.डी. (२०११) आर्थिक विचारांचा इतिहास, अरुणा प्रकाशन, लातूर.
9. प्रा.रायखेलकर,डॉ.दामजी (२०११) – आर्थिक विचारांचा इतिहास, विद्या बुक पब्लिशर्स,औरंगाबाद.
10. प्रा.डॉ.अनिलकुमार वावरे, प्रा.संजय धोंडे, व डॉ.अनिल सत्रे (२०१४)– आर्थिक विचारांचा इतिहास, एज्युकेशनल पब्लिशर्स अॅन्ड डिस्ट्रिब्युटर्स,औरंगाबाद.
11. प्रा.रा.म.गोखले - आर्थिक विचारांचा इतिहास
12. डॉ.विजय कविमंडन - आर्थिक विचारांचा इतिहास

B. A. III Economics (Semester VI) (CBCS Pattern)

Principles of Micro Economics- II

(Elective Course- 12) DSE E 196

Course Outcomes: After successful completion of this course, the students will be able to:

- Identify the market structure
- Analyse the economic behaviour of individual firms and markets
- Analyse a firm's profit maximising strategies under different market conditions
- Understand the factor pricing

Module- I Perfect Competition (Teaching Hours- 15, Credits- 01)

1.1 Meaning and characteristics
1.2 price and outputdetermination under perfect competition
1.3 Equilibrium of the firm and industry in the short run
1.4 Equilibrium of the firm and industry in the long run

Module- II Monopoly (Teaching Hours- 15, Credits- 01)

2.1 Meaning and characteristics
2.2 Price discrimination and degrees
2.3 Equilibrium of a monopoly firm in the short run and long run
2.4 Monopoly and capacity loss

Module- III Imperfect Competition (Teaching Hours- 15, Credits- 01)

3.1 Meaning and characteristics
3.2 Price- output determination
3.3 Product differentiation
3.4 Oligopoly and duopoly- meaning and characteristics

Module- IV Factor Pricing (Teaching Hours- 15, Credits- 01)

4.1 Marginal productivity theory
4.2 Modern theory of rent
4.3 Classical and Keynesian theory of interest
4.4 Risk and uncertainty theory of profit

BASIC READING LIST:

1. Dominic Salvator (2012) – Principles of Micro Economics, 5th edition, Oxford University Press, Oxford.
2. John B. Taylor & Akila Weerapana, (2011) 'Principles of Economics', 7th Edition, Cengage Learning, India, New Delhi.

3. Koutsoyiannis, A. (1979), Modern Microeconomics, 2nd Edition, Macmillan Press, London.
4. Lipsey Richard G., (latest edition), An Introduction to Positive Economics, Weidenfeld & Nicolson, London.
5. Lipsey, R.G. and K.A. Chrystal (latest edition), Principles of Economics (IX Ed.), Oxford University Press, Oxford.
6. Mankiw, N. Gregory (2008),Principles of Microeconomics, 5th Edition, Cengage Learning India, New Delhi.
7. Mansfield, E (latest edition), Microeconomics (9th Ed) W.W. Norton and Company, New York.
8. Pindyek and Rubinfield (latest edition)- Micro Economics, Pearson Education, New Delhi.
9. Ray, N.C. (latest edition), An introduction to Microeconomics, Macmillan company of India Ltd.
10. Samuelson, P.A. and W.D. Nordaus (latest edition), Economics, Tata McGraw Hill, New Delhi.
11. Stonier, A.W. and D.C. Hague (latest edition), A Textbook of Economic Theory, ELBS and Logman Group, London.
12. Varian, Hall (1992): Microeconomic Analysis, Third Edition, W. W. Norton & Company, Inc, New York.

B. A. III Economics (Semester VI) (CBCS Pattern)
Economics of Planning
(Elective Course- 13) DSE – E 197

Course Outcomes: After successful completion of this course, the students will be able to:

- Get acquainted with economic planning and its importance in development
- Get acquianted with development of planning and planning machinery in India
- Evaluate sectoral performance of the Indian economy
- Compare and analyse Indian models of economic development

Module- I: Introduction to economic planning (Teaching Hours- 15, Credits- 01)

1.1 Meaning, Case for and against economic planning
1.2 Genesis of planning
1.3 Types of planning
1.4 Conditions of success of planning

Module- II: Issues in economic planning (Teaching Hours- 15, Credits- 01)

2.1 The choice of techniques: labour and capital intensive
2.2 Capital output ratio: Importance and factors affecting COR
2.3 Input output analysis
2.4 Project evaluation

Module- III: Planning in India- I (Teaching Hours- 15, Credits- 01)

3.1 Evolution of planning in India
3.2 Objectives and evaluation of planning
3.3 Planning Commission and National Development Council
3.4 NITI Ayog- Need for establishment, organization, objectives and work

Module- IV: Planning in India- II (Teaching Hours- 15, Credits- 01)

4.1 Plan models in Indian plans
4.2 Agricultural development under plans
4.3 Industrial development under plans
4.4 Services sector development under plans

BASIC READING LIST:

1. Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 1to 3, Elsevire, Amsterdam. Economics 31
2. Hayami, Yujiro and Yoshihisa Godo (1997), *Development Economics*, Oxford University Press, New York.
3. Kindleberger, C.P. (1965), *Economic Development*, 3e, McGraw Hill, New York.
4. Meier, Gerald M. and James E. Rauch (2005), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi.
5. Myint, Hla (1971), *Economic Theory and Under Developed Countries*, Oxford University Press, New York.
6. Thirlwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, London.

7. Bhagwati, J. and P. Desai (1970), *India : Planning for Industrialization*, Oxford University Press, London.
8. Brahmananda, P.R. and C.N. Vakil (1956), *Planning for an Expanding Economy,* Vora and Co., Bombay.
9. Puri V. K. And S. K. Misra (2016), *Economics of Development and Planning*, Himalaya Publishing House.
10. Datta Gaurav and Ashwini Mahajan (2016), *Indian Economy*, S. Chand Publishing, New Delhi
11. Chakravarty, Sukhamoy (1987), *Development Planning : The Indian Experience,* Clarendon Press, Oxford.
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13. Lekhi, R.K. (2005) *Economics of Development and Planning*, Kalyani Publishers, Delhi.
14. Patil, J. F. (et al) (2005) *Economics of Growth and Development* (Marathi) , Phadake Publishers, Kolhapur.
15. Patil, J.F. & Tamhankar, P.J. (1990) *Economics of Development and Planning* (Marathi), Continental Publishers, Pune.

B. A. III Economics (Semester VI) (CBCS Pattern)

International Economics- II

(Elective Course- 14) DSE – E 198

Course Outcomes: After successful completion of this course, the students will be able to:

- Distinguish between balance of trade and balance of payments
- Analyse the balance of payments
- Understand the various types of foreign capital
- Analyse the impact of international institutions on Indian economy

Module- I: Balance of Trade and Balance of Payments(Teaching Hours- 15, Credits- 01)

1.1 Balance of Trade and Balance of Payments

1.2 Importance of Balance of Payments

1.3 Disequilibrium in Balance of Payments: Causes and Consequences

1.4 Measures to correct disequilibrium in Balance of Payments

Module- II: Foreign Trade of India since 1991 (Teaching Hours- 15, Credits- 01)

2.1 Volume, composition and direction

2.2 Exim Policy of 2014-19

2.3 Trade administration of India

2.4 Convertibility of Rupee: Meaning and types.

Module- III: Foreign Capital in India (Teaching Hours- 15, Credits- 01)

3.1 Need for Foreign Capital

3.2 Types of Foreign Capital

3.3 Foreign Capital Policy of Government of India

3.4 Trends in Foreign Direct Investment in India

Module- IV: International Institutions and India (Teaching Hours- 15, Credits- 01)

4.1 IMF: Objectives and Functions

4.2 IBRD: Objectives,Functions

4.3 ADB: Objectives, Functions

4.4 WTO: Objectives, Functions

BASIC READING LIST:

1 Aggarwal, M. R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

2 Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.

3 Crockett. A. (1982), International Money: Issue and Analysis, ELBS and Nelson, London.

4 Greenaway. D. (1983), International Trade Policy, MacMillan Publishers Ltd., London.
5 Heller, H. R. (1968), International Monetary Economics, Prentice Hall. India.
6 Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford
7 Kenan, P.B. (1994), The International Economy, Cambridge University Press, London.
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10 Mithani D.M. (Reprint-2009) International Economics, Himalaya Publishing House, New Delhi.
11 Nayyar,D. (1976) : India's Exports and Export Policies in the 1960s, Cambridge University Press, Cambridge.
12 Panchmukhi, V. R. (1978), Trade Policies of India: A Quantitative Analysis, Concept University Press, Delhi.
13 Patel, S. J. (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
14 RuddarDatt& K.P.M. Sundaram, (2018), Indian Economy, S. Chand & Co. Ltd., New Delhi
15 Salvatore, D. L. (1997), International Economics, Prentice- Hall, Upper Saddle River, N. J.
16 Singh, M. (1964), India Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, Oxford.
17 Sodersten, Bo (1991), International Economics, MacMillan Press Ltd. London

B. A. III Economics (Semester VI) (CBCS Pattern)

Research Methodology in Economics- II

(Elective Course- 15) DSE – E - 199

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the sampling techniques as a method of data collection
- Use techniques of data analysis in research
- Write a research report and thesis
- Write a research proposal (grants)

Module- I: Sampling (Teaching Hours- 15, Credits- 01)

1.1 Meaning and nature

1.2 Types of sampling

1.3 Criteria of good sampling

1.4 Optimum size of sampling

Module- II: Processing and representation of data (Teaching Hours- 15, Credits- 01)

2.1 Classification of data

2.2 Tabulation of data

2.3 Percentage

2.4 Graphs and diagrams

Module- III: Techniques of data analysis (Teaching Hours- 15, Credits- 01)

3.1 Need and importance of data analysis

3.2 Measures of central tendency: mean, mode, median (direct method)

3.3 Measures of variation: range, standard deviation (direct method)

3.4 Correlation- meaning and importance, Karl Pearson's coefficient of correlation

Module- IV: Interpretation of data and report writing(Teaching Hours- 15, Credits- 01)

4.1 Interpretation of data: meaning

4.4 Report writing: meaning, steps, precautions

4.5 Properties of good report writing

4.4 Writinga good research proposal

BASIC READING LIST:

1. Goode and Hatt (1981), Methods in Social Research, McGraw Hill International Book Company, New Delhi.
2. Kerliger F.N.(1983), Foundation of Behavioural Research, Surjeet Publication,Delhi.
3. Young P. V.(1960), Scientific Social Survey and Research, Asia Publication House,Mumbai.
4. Kothari C.R. (1993), Research Methodology-Methods and Techniques, Wiley Eastern Ltd.,New Delhi.
5. Lundbrg G.A.(1960), Social Research, Longmans Green and Company, New York.
6. Herekar P .M.(2019), Research Methodology and Project Work, Phadake Prakashan,Kolhapur.
7. Settiz Claire,Jahoda Marie and Others(1959), Research Methods in SocialResearch,Dryden New York.
8. Takur Dvendra (1997), Research Methodology in Social Sciences, Deep and Deep Publication,New Delhi.
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10. Gupta C.B. (1996), An Introduction to Methods, Vikas Publication House,New Delhi.
11. देशमुख राम (जून 2005) : 'मूलभूत सांख्यिकी', विद्या प्रकाशन, नागपूर.
12. पाटील ज.फा., पठाण के.जी., ताम्हणकर पी.जे., संतोष यादव (2012) : 'अर्थशास्त्रीय संशोधनाची तोंडओळख', (सुधारित आवृत्ती), कॉन्टिनेंटल प्रकाशन, पुणे.
13. आगलावे प्रदीप (जानेवारी 2000) : 'संशोधन पध्दतीशास्त्र व तंत्रे', विद्या प्रकाशन, नागपूर.
14. खैरनार दिलीप (फेब्रुवारी 2009) : 'प्रगत सामाजिक संशोधन पध्दती व सांख्यिकी', डायमंड पब्लिकेशन्स, पुणे.
15. भांडारकर पु.ल. (1987) : 'सामाजिक संशोधन पध्दती', महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.

B. A. III Economics (Semester VI) (CBCS Pattern)

History of Economic Thoughts- II

(Elective Course- 16) DSE – E 200

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the economic concepts and theories of Neo-Classical and Indian thinkers.
- Understand the development of economic thoughts

Module- I: Neo- Classical Economic Thought – Alfred Marshall

(Teaching Hours- 15, Credits- 01)

1.1 Theory of Value
1.2 The concept of representative firm
1.3 Consumer's surplus, elasticity of demand
1.4 Quasi rent

Module- II: Indian Economic Thought (Teaching Hours- 15, Credits- 01)

2.1 Mahatma Phule: Views on agriculture and education
2.2 Rajarshi Shahu Maharaj: Policy for agriculture development and co-Operation
2.3 Dr. Babasaheb Ambedkar: Views on money, agriculture and development policy
2.4 Dadabhai Nauroji: Drain theory

Module- III: Mahatma Gandhi (Teaching Hours- 15, Credits- 01)

3.1 Concept of village development
3.2 Importance of decentralization
3.3 Basic principle of development: swadeshi
3.4 Concept of Gram Swarajya

Module- IV: Economic Thoughts of Modern Indian Economist

(Teaching Hours- 15, Credits- 01)

4.1 Gopal Krishna Gokhale's views on public finance
4.2 D. R. Gadgil: Views on co-operative development and decentralization of power, co-operative commonwealth
4.3 V. M. Dandekar: Views on poverty
4.4 Amartya Sen: Concept of social choice, choice of techniques, Sen's views on poverty and public action

BASIC READING LIST:

1. Dandekar V.M.and N.Nath (1971), Poverty in India, Indian school of political Economy, Pune.

2. Ganguli B. N. (1977): Indian Economic Thought - A 19th Century Perspectives,Tata Mc Grow Hill, New Delhi.

3. Rath Nilkanth(1995) V.M.Dandekar Social Scientist with a Difference : Journal of Indian School of Political Economy.Oct-Dec.1995, Vol-7 No-4.
4. Seshadri G.B.(1997): Economic Doctrines, Publishing Corporation, New Delhi.
5. चा.भ.खैरमोडे (१९७८) – डॉ.भीमराव रामजी आंबेडकर, खंड १ ला , खंड २ रा खंड ७ वा, प्रताप प्रकाशन.
6. गांधी मो.क.(१९९७) -मराठी अनुवाद सीताराम पुरोषोत्तम पटवर्धन'सत्याचे प्रयोग अथवा आत्मकथा पाचवी आवृत्ती.
7. डॉ.जे.एफ.पाटील (२०१५)– आर्थिक विचारांचा इतिहास, फडके प्रकाशन, कोल्हापूर.
8. इंगळे बी.डी. (२०११) आर्थिक विचारांचा इतिहास, अरुणा प्रकाशन, लातूर.
9. प्रा.रायखेलकर,डॉ.दामजी (२०११) – आर्थिक विचारांचा इतिहास, विद्या बुक पब्लिशर्स,औरंगाबाद.
10. प्रा.डॉ.अनिलकुमार वावरे, प्रा.संजय धोंडे, व डॉ.अनिल सत्रे (२०१४)– आर्थिक विचारांचा इतिहास, एज्युकेशनल पब्लिशर्स अॅन्ड डिस्ट्रिब्युटर्स,औरंगाबाद.
11. प्रा.रा.म.गोखले - आर्थिक विचारांचा इतिहास
12. डॉ.विजय कविमंडन - आर्थिक विचारांचा इतिहास

Shivaji University, Kolhapur

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CHOICE BASED CREDIT SYSTEM
Syllabus For

B.A. Part - I

Economics

(Syllabus to be implemented from June, 2022 onwards.)

Choice Based Credit System
B.A. Part - I
Economics Course – 1
June 2022 onwards
Indian Economy - I

Preamble :

This paper intends to acquaint the students with various dimensions of, as also the challenges, confronting the Indian economy. It endeavors to provide useful insights to the students about the present economic standing and composition of the Indian economy, the major sectors and their relative importance in the Indian economy and the major challenges faced by it.

Course Outcome:

1. Acquaint the students with Structure of the Indian economy and changes taking place therein.
2. Understanding population Problem of Indian Economy
3. Awareness regarding challenges before the Indian economy.
4. Able to formulate the strategy for economic development

Semester - I	Teaching Hours	Credits
Module – I Economic Development Since Independence	**15**	**01**
1.1 Major Features of the Indian Economy at Independence		
1.2 Structural Changes in Indian Economy		
1.3 Indian Economy and Inclusive growth		
1.4 Sustainable Development		
Module – II Demographic status of India	**15**	**01**
2.1 Size and Causes of growth of population India		
2.2 Broad features of Indian Population		
2.3 Impact of population growth on Economic development		
2.4 Population Policy 2000		
Module – III Challenges before Indian Economy - I	**15**	**01**
3.1 Poverty - Meaning and Types		
3.2 Poverty - Causes and measures		
3.3 Unemployment - Meaning and Types		

3.4 Unemployment - Causes and Measures

Module – IV Challenges before Indian Economy - II **15** **01**

4.1 Economic Inequality- Nature, Causes & Remedies

4.2 Social Inequality – Nature, Causes & Remedies

4.3 Regional Imbalance – Nature, Causes & Remedies

4.4 Human Development Index – Concept, Indicators and Trends

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1. Puri V.K., Misra S.K. (Latest Edition) Indian Economy, Himalaya Publishing House, Mumbai.
2. Agrawal A.N. (Latest Edition) Indian Economy, New Age International Publishers, New Delhi.
3. Datt and K.P.M. Sundharam, (Latest Edition) Indian Economy, S.Chand and Company Ltd., New Delhi.
4. Chatterjee and Mani N. (2012-13), Economic Survey of India its states, New Century Publications, New Delhi.
5. Desai Mutalik and Bhalerao Nirmal (Latest Edition) Bharatiya Arthvyavasta, Nirali Prakashan, Pune.(In Marathi Language)
6. Dr.Wavare and Dr. Ghatage (2010), Bharatiya Arthvyavasta, Nirali Prakashan, Pune.(In Marathi Language)
7. India 2014-15.
8. Handbook of Indian Statistics - 2015.
9. Economic Survey of India - Various issues
10. World Development Report - Various issues

B.A.-I
Economics Course – 2
June 2018 onwards
Indian Economy - II

Preamble:

This paper intends to acquaint the students with various dimensions of, as also the challenges, confronting the Indian economy. It endeavors to provide useful insights to the students about the present economic standing and composition of the Indian economy, the major sectors and their relative importance in the Indian economy and the major challenges faced by it.

Course Outcomes:

1. Acquaint with the policies and performance of major sectors in Indian Economy.
2. Understanding the nature, scope, challenges and opportunities of economic reforms.
3. Awareness regarding causes of agrarian distress and remedies.
4. Understanding policy reforms regarding the industry and service sector.

Semester – II	Teaching Hours	Credits
Module – I Policies and Performance in Agriculture	**15**	**01**
1.1 Changing role of agriculture in Indian Economy		
1.2 Agricultural productivity: concepts, causes of low agricultural productivity and its measures.		
1.3 Green Revolution: Causes, Success and failure, Need of 2nd Green Revolution.		
1.4 Agricultural Pricing and Procurement		
Module - II Policies and Performance in Industry	**15**	**01**
2.1 Need of Industrialization		
2.2 Industrial Policy since 1991		
2.3 Problems and prospects of Cottage and Small scale Industries		
2.4 Foreign Investment Policies since 1991		
Module – III Service Sector in India	**15**	**01**
3.1 Growing importance of service sector		
3.2 Significance of Banks, financial Institutions and Insurance		
3.3 Importance of IT, Transport, Communication.		
3.4 Importance of Tourism.		
Module – IV Economic Reforms	**15**	**01**

4.1 Liberalization: Concept, Implementation and Impact on Indian Economy.

4.2 Privatization: Concept, Implementation and Impact on Indian Economy.

4.3 Globalization: Concept, Implementation and Impact on Indian Economy.

4.4 Recent export promotion policy.

REFERENCE BOOKS

1. Puri V.K., Misra S.K.(Latest Edition) Indian Economy, Himalaya Publishing House, Mumbai.
2. Agrawal A.N. (Latest Edition) Indian Economy, New Age International Publishers, New Delhi.
3. Datt and K.P.M.Sundharam, (Latest Edition) Indian Economy, S.Chand and Company Ltd., New Delhi.
4. Chatterjee and Mani N. (2012-13), Economic Survey of India its states, New Century Publications, New Delhi.
5. Desai Mutalik and Bhalerao Nirmal (Latest Edition) Bharatiya Arthvyavasta, Nirali Prakashan, Pune.(In Marathi Language)
6. Dr. Wavare and Dr. Ghatage (2010), Bharatiya Arthvyavasta, Nirali Prakashan, Pune.(In Marathi Language)
7. India 2014-15.
8. Handbook of Indian Statistics - 2015.
9. Economic Survey of India - Various issues 10. World Development Report - Various issues

NATURE OF QUESTION PAPER AND SCHEME OF MARKING

B.A. Part- I (Semester-I) Examination ----------

Economics Paper ------

Title ----------

Sub code -------

Day & Date : **Time:** **Total Marks : 40**

Instructions 1. All questions are Compulsory
2. Figures to right indicates full marks
3. Draw neat diagram wherever necessary

Q 1 Complete the following sentences by choosing correct alternatives **(05)**

1.
2.
3.
4.
5.

Q 2 Write short notes (any three) **(15)**

A.
B.
C.
D.
E.

Q 3 Write detail answers on any two of the following **(20)**

A.
B.
C.

Internal Evaluation 10 Mark

B.A.-I Semester-I - Home Assignment

B.A.-I Semester-II – Unit Test

Shivaji University ,Kolhapur
Revised Syllabus of B.A. Part II
Semester IV
Labour Welfare (**I.D.S. Paper No.II)**
From June 2019

Preamble : Labour Welfare is one of the Important branches of Economics . Labour is being considered as most important productive factor in economy. The study of labour welfare helps in understanding the labour welfare and problems, searching policy means to maximize the labour welfare. The students will understand nature, scope and problems associated with labour welfare with special reference to India.

Unit I :Labour Efficiency (15 Lectures)

1.1 Concept and Meaning of Labour Efficiency
1.2. Determinants of Social Security
1.3. Measurementof Labour Efficiency
1.4. Measures to Improve Labour Efficiency

Unit II . Social Security (15. Lectures)

2.1. Meaning & Objectives of Social Security
2.2. Need for Social Security
2.3. Components of Social Security
2.4. Social Insurance, Social Assistance and Social Security.

Unit III . Labour Welfare Programmes in India (15Lectures)

3.1. Brief Review of Labour Welfare Programmes

3.2. New Economic Policy after 1991and Labour Welfare.

3.3. Labour Welfare Problems of Organized Sector

3.4. Labour Welfare Problems of UnorganizedSector.

Unit 4. Social Security Legislations in India (15Lectures)

4.1. Genesis of Social Security legislation in India

4.2 Workers Compensation Act 1923.

4.3. Employees Provident Fund Act 1952.

4.4 Child Labour (Prohibition & Regulation) Act 1986 - Maternity Benefit Act 1961 - New amendment 2017

Reference Books

1. Kannapon, S.C, (1993), Employment Problems and Urban Labour Markets in Development Economy, Vol-I &II, Macmillan, London
2. Papola, T.S and Sharma A.N. 9Eds) (1999), Gender and Employment in India, Vikas Publishing House, New Delhi
3. Deshpande L.K and Sandesara J.C (Eds), (1970), Wage Policy and wages determination in India, Bombay University Press, Bombay
4. Memoria, C.B. (1966), Labour Problems and Social Welfare in India, Kitab Mahal, Allahabad
5. Punekar, S.D. (1978), Labour Welfare, Trade Unionism and Industrial Relations, Himalaya Publishing House, Bombay
6. Singh, V.B. (Ed), Industrial Labour in India, Population Prakashan, Bombay
7. Misra, L (2000), Child Labour in India, Oxford University Press, New Delhi
8. Riveros L, (1990), Labour Market Policies and Labour Market Reforms in Socialist Economics, World Bank, Washington D.C
9. Indian Society for Labour Economics (ISLE) journals
10. Dr. T. N. Bhagoliwala: Economics of Labour and Industrial Relations, Sahitya publication, Agra.
11. Government of India : India Labour year Book, (Ministry of Labour)
12. Yoder Dale : Labour economic and Labour Problems
13. Pant S.C: Indian Labour Problems.
14. Sacheva and Gupta: Labour and Social welfare Ajanta Prakashan Delhi.
15. Indian Journal of Labour Economics
16. Indian Journal of Human Resources

SHIVAJI UNIVERSITY, KOLHAPUR

REVISED SYLLABUS OF B.A. PART II

Principles of Co-operation

Course – I GE (IDS)

To be introduced from June 2019

Semester III

PREAMBLE:

The objective of this paper is to create awareness about the working of co-operatives in Rural and Urban area. The Co-operative movement has been considered as the third important sector in the economy followed by private and public sector. The principles of co-operation and the values of the co-operative institutions need to be studied in Indian Context**.**

UNIT I: INTRODUCTION OF CO-OPERATION (15 Lectures)

1.1 Meaning and Definition of Co-operation
1.2 Features and Importance of Co-operation
1.3 Principles of Co-operation- Development and Manchester Co-operative Principles
1.4 International Co-operative Alliance (ICA) – Organization and Functions

UNIT II: CO-OPERATION AS A FORM OF ORGANIZATION (15 Lectures)

2.1: Capitalism – Features, Merits and Demerits

2.2: Socialism – Features, Merits and Demerits

2.3: Co-operation – A Golden mean between Capitalism and Socialism

2.4: Role of Co-operation in Mixed Economy

UNITIII: ROLE OF STATE IN CO-OPERATION (15 Lectures)

3.1: Role of State in the development of Co-operative movement

3.2: Co-operative Judicial System

3.3: Role of Co-operative Registrar

3.4: Effects of Globalization in Co-operative Movement

UNITIV: CO-OPERATIVE AUDIT (15 Lectures)

4.1: Meaning and Need of Cooperative Audit

4.2: Need and Types of Co-operative Audit

4.3: Role of Co-operative Auditor

4.4: Merits and Demerits of Co-operative Audit System

REFERENCES:

1. Bedi R.D – Theory, history and practice of Co-operation. Loyal Book Depot, Meerut
2. Datta and Sundaram – Indian Economy, S. Chand and Company, New Delhi
3. Dr. C. N. Sontakki – Co-operative Development, Sheth Publication Mumbai
4. Hajela T. N – Principles, Problems and Practice of Co-operation, ShivalalAgarwal Publication, Agra
5. Mathur B.S – Co-operation in India, SahityaBhavan, Agra
6. Mukhi H. R. –Co-operation in India and Abroad, R. B. Publications
7. Dr. Memoria C.B &Saksena R. D – Co-operation in India, KitabMahal Allahabad
8. Karve D.G – Co-operative Principles and Substance
9. Kamat G. S – Principles, Practice and Management of Co-operation

SHIVAJI UNIVERSITY, KOLHAPUR

REVISED SYLLABUS OF B.A. PART II

CO-OPERATIVES IN INDIA

Course – II GE (IDS)

From June 2019

Semester IV

PREAMBLE:

The objective of this paper is to create awareness about the working of co-operatives on Rural and Urban area. The Co-operative movement has been considered as the third important sector in the economy followed by private and public sector. The principles of co-operation and the values of the co-operative institutions need to be studied in Indian Context**.**

UNIT I: CO-OPERATIVE CREDIT IN INDIA (15 Lectures)

1.1: Primary Agricultural Credit Co-operative Societies - Functions, Importance and Problems

1.2: District Central Co-operative Banks- Functions, Importance and Problems

1.3: State Co-operative Bank – Functions, Importance and Problems

1.4: Urban Co-operative Banks – Functions, Problems and Remedies

UNIT II: CO-OPERATIVE MARKETING IN INDIA (15 Lectures)

2.1: Need and Importance

2.2: Structure of Co-operative Marketing

2.3: Problems and Remedies of Co-operative Marketing

2.4: NAFED – Objectives and Functions

UNITIII: CO-OPERATIVE PROCESSING SOCIETIES ININDIA (15 Lectures)

3.1: Role of Co-operative processing societies in rural Development

3.2: Sugar Co-operatives - Problems and Remedies

3.3: Dairy Co-operatives - Problems and Remedies

3.4: Women Empowerment through Co-Operative Processing

UNITIV: ROLE OF NATIONAL INSTITUTIONS IN CO-OPERATION (15 Lectures)

4.1: National Bank for Agricultural and Rural Development (NABARD)

4.2: National Co-operative Development Corporation (NCDC)

4.3: National Co-operative Union of India (NCUI)

4.4: 97th Constitutional Amendment and main changes in Maharashtra Co-operative Societies Act

REFERENCES:

1. Bedi R.D – Theory, history and practice of Co-operation. Loyal Book Depot, Meerut
2. Datta and Sundaram – Indian Economy, S. Chand and Company, New Delhi
3. Dr. C. N. Sontakki – Co-operative Development, Sheth Publication Mumbai
4. Hajela T. N – Principles, Problems and Practice of Co-operation, ShivalalAgarwal Publication, Agra
5. Mathur B.S – Co-operation in India, SahityaBhavan, Agra
6. Mukhi H. R. –Co-operation in India and Abroad, R. B. Publications
7. Dr. Memoria C.B &Saksena R. D – Co-operation in India, KitabMahal Allahabad
8. Karve D.G – Co-operative Principles and Substance
9. Kamat G. S – Principles, Practice and Management of Co-operation
10. Singh L.P – Co-operative Marketing
11. SahakarJagat – Various Issues

Shivaji University, Kolhapur

Revised Syllabus of B.A. II

To be introduced from June, 2019

Money and Banking Paper No. - IV

(Semester III)

Preamble:

To create the awareness among the students and Job Prospects in Banks and Financial Sector. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.

Unit I: Introduction to Banking **15 Lectures**

1.1 Meaning and Functions of Commercial Banks

1.2 Types of Banks - Public, Private, Foreign and Cooperative

1.3 Principles and Investment Policy of Commercial Banks - Balance Sheet of banks

1.4 Processes of Credit Creation and its Limitations

Unit II: Practical Banking **15 Lectures**

2.1 Types and features of Bank Accounts

2.2 Opening, KYC, Operating and Closing of an Account

2.3 Banker's and Customer's Rights and Obligations

2.4 Negotiable Instruments: Main Features

Unit III: Reserve Bank of India **15 Lectures**

3.1 History and Organizational Structure

3.2 Functions of RBI - Traditional and Developmental

3.3 Monetary Policy - Meaning and Objectives

3.4 Instruments of Credit Control

Unit IV: Banking Practices in India **15 Lectures**

4.1 Bank Ombudsman Scheme- Meaning, Power and Duties

4.2 Meaning, Process and Importance of Credit (Loan) Appraisal

4.3 Advantages and Disadvantages of Bank Mergers

4.4 Meaning, Causes and Remedies of NPA

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. BhasinNitin(2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.
9. Vasant Desai, "Bank and Institutional Management", Himalaya Publishing House.
10. Dr. P. K. Srivastava, "Banking Theory and Practices", Himalaya Publishing House
11. GordenNatrajan “Banking Theory law and practices” Himalaya publishing Houses.
12. M.Y. Khan, “Indian Financial System”, Tata McGraw Hill.

Shivaji University, Kolhapur

Revised Syllabus of B.A. II

To be introduced from June, 2019

Banks and Financial Markets Paper No. - VI

(Semester- IV)

Preamble:

To create the awareness among the students and Job Prospects in Banks and Financial Sector. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.

Unit I: Financial System in India **15 Lectures**

1.1 Structure and Importance of Financial System

1.2 Features and Structure of Money Market in India

1.3 Features and Structure of Capital Market in India and Role of SEBI

1.4 Functions of Stock Market in India

Unit II: Indian Financial Institutions **15 Lectures**

2.1 Non-Bank Financial Institutions: Concept and Growth

2.1Loan companies in India, Functioning and problem

2.3 Functions of EXIM Bank

2.4 Mutual Funds: Meaning, Types and Importance

Unit III: Banking Reform **15 Lectures**

3.1 Recommendation of the Narasimham Committee (1991)

3.2 Recommendation of the Narasimham Committee (1998)

3.3 Foreign Direct Investment in Banking

3.4 Concept of Payment Bank and Small Finance Bank

Unit IV: E-Banking Service **15 Lectures**

4.1 E-Banking – Meaning, Features and Types

4.2 Features of Credit and Debit card

4.3 NEFT and RTGS, Cheque Truncation System

4.4 Cyber Crimes in Banking – Meaning, Types and Precaution

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. BhasinNitin(2010), Financial Institutions and Financial Markets in India: Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Wood head Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.
9. Vasant Desai, "Bank and Institutional Management", Himalaya Publishing House.
10. Dr. P. K. Srivastava, "Banking Theory and Practices", Himalaya Publishing House
11. Gorden Natarajan “Banking Theory law and practices” Himalaya publishing Houses.
12. M.Y. Khan, “Indian Financial System”, Tata McGraw Hill.
13. Reserve Bank of India,Report on Trend and progress of Banking in India.

Shivaji University Kolhapur

B.A. Part II Economics

Macro Economics -I (Paper-III) (Sem-III)

Preamble: The purpose of teaching this paper is to introduce the basic primary and analytically important concepts, theories and policies in the working of the economy to the learners. It attempts to enable the students to apply various concepts in the process of policy making, planning of measures to ensure and achieve the fundamental objectives of macroeconomic policy.

Unit 1: Introduction to Macro Economics (Periods -15)

1.1 Meaning, Definitions, Nature and Scope

1.2 Difference between Micro and Macro Economics

1.3 Importance and Limitations

1.4 Macro Economic Variables

Unit 2: National Income (Periods -15)

2.1 Meaning and Definitions

2.2 Different concepts: GDP, GNP ,NNP, GDP at market prices and at factor cost, Per Capita Income, Personal Income, Disposable Income.

2.3 Methods of Measuring National Income: Product, Income and Expenditure.

2.4 Difficulties in the measurement of National Income, Importance of National Income Data.

Unit 3: Money and Value of Money (Periods -15)

3.1 Definitions and Functions of Money.

3.2 Value of Money: Quantity Theory of Money - Transaction Approach, Cash Balance Approach.

3.3 Index Number: Meaning and Types, Construction of Simple and Weighted Index Numbers.

3.4 Importance of Index Number.

Unit 4: Output and Employment (Periods -15)

4.1 Say's Law of Market.

4.2 Keynesian Theory of Employment.

4.3 Consumption Function: Average Propensity to Consume (APC), Marginal Propensity to Consume (MPC), Factors affecting Consumption function.

4.4 Investment Function, Concept of Multiplier.

Reference Books:

1.Jhingan M.L., Macro Economic Theory, Vrinda Publication, Delhi.

2.Mithani D.M., Monetary Theory, Vota and Company, Mumbai.

3.Mithani D.M., Macro Economics, Himalaya Publishing House.

4.Dewett K.K., Modern Economic Theory, S. Chand & Co., Ltd., New Delhi.

5.Ackley G, Macro Economics: Theory and Policy, Macmillan, New York.

6.keynes J.M., General Theory of Employment, Interest and Money, Macmillan and Co. London.

7.Seth M.L., An Introduction to Keynesian Economics, Lakshmi Narain Agarwal, Agra.

8.Fisher Irving, The purchasing power of money, Macmillan New York.

9.Shaprio Edward, Macro Economic Analysis, Galgotia Publication's New Delhi.

10. Dwivedi D. N (2017) Macro Economics – Theory and Policy; Mc Graw Hill Education

11. Ahuja H. L (2017) Advanced Economic Theory; S. Chand & Company, New Delhi

12. Ahuja H. L (2016) Macro Economics Theory and Practices; S. Chand & Company, New Delhi.

13.प्रा. रामदेशमुख, आधुनिकस्थूलअर्थशास्त्र, विद्याप्रकाशननागपूर.

14.जी. एन. झामरे, स्थूलअर्थशास्त्र, पिंपळापुरेअँडकंपनीपब्लिशर्सनागपूर.

15. पाटील जे. एफ. (२०१४) साकलिक अर्थशास्त्रब, फडके प्रकाशन, कोल्हापूर.

Shivaji University Kolhapur

B.A. Part II Economics

Macro Economics - II (Paper-V) (Sem - IV)

Preamble: Macro Economics is aggregative economics which examines the interrelations among the various aggregates. Macro Economics is not only scientific method of analyses, but also a body of empirical economic knowledge. This paper equips the students to understand the basic theoretical framework underling in the field of macro economics.

Unit :1 Inflation **(Periods -15)**

1.1 Meaning, Definitions and Types
1.2 Causes of Inflation
1.3 Effects of Inflation
1.4 Remedies of Controlling Inflation

Unit :2 Trade Cycles **(Periods -15)**

2.1 Meaning and Features.

2.2 Phases of Trade Cycles.

2.3 Theories of Trade Cycles: Hawtrey, Schumpeter.

2.4 Control of Trade Cycles.

Unit :3 Public Finance – I (Periods -15)

3.1 Meaning, Nature and Scope.

3.2 Principle of Maximum Social Advantage.

3.3 Taxation: Direct and Indirect Taxes-Meaning, Merits and Demerits.

3:4 Budget: Budgetary process

Unit: 4 Public Finance-II (Periods -15)

4.1 Public Expenditure: Meaning and Causes of growth of Public Expenditure.

4.2 Public Debt: Meaning, Sources and Effects.

4.3 Deficit Financing: Meaning, types and Methods.

4.4 Fiscal Policy: Meaning, Objectives and Instruments.

Reference Books:

1.Jhingan M.L., Macro Economics Theory,Vrinda Publication, Delhi.

2.Mithani D.M., Monetary Theory,Vota and Company, Mumbai.

3.Mithani D.M., Macro Economics, Himalaya Publishing House.

4.Dewett K.K., Modern Economic Theory,S.Chand & Co., Ltd., New Delhi.

5.Ackley G, Macro Economics: Theory and Policy, Macmillan, New York.

6.keynes J.M., General Theory of Employment, Interest and money, Macmillan and Co.London.

7.Seth M.L., An Introduction to Keynesian Economics, Lakshmi Narain Agarwal,Agra.

8.Fisher Irving, The purchasing power of money, Macmillan New York.

9.Shaprio Edward, Macro Economic Analysis,Galgotia Publication's New Delhi.

10. Ahuja H. L (2017) Advanced Economic Theory; S. Chand & Company, New Delhi
11. Ahuja H. L (2016) Macro Economics Theory and Practices; S. Chand & Company, New Delhi.
12. Lekhi R. L. (2013) Public Finance; Kalyani Publisher New Delhi.

13.प्रा. रामदेशमुख, आधुनिकस्थूलअर्थशास्त्र, विद्याप्रकाशननागपूर.

14.जी. एन. झामरे, स्थूलअर्थशास्त्र, पिंपळापुरेअँडकंपनीपब्लिशर्सनागपूर.

15. पाटील जे. एफ. (२०१४) साकलिक अर्थशास्त्रब, फडके प्रकाशन, कोल्हापूर.

SHIVAJI UNIVERSITY, KOLHAPUR

Revised syllabus for
Bachelor of Arts (Part – III)

SEMESTERV & VI

ECONOMICS

Syllabus to be implemented from June 2020 onwards

Equivalance B.A.III Economics Sem- V

Sem No.	Paper No.	Title of Old Paper	Sem No.	Discipline	Title of New Paper
V	VII	Micro Economics	V	Economics Course - 7	Principles of Micro Economics- I
V	VIII	Research Methodology in Economics (Part I)	V	Economics Course- 10	Research Methodology in Economics- I
V	IX	History of Economic Thoughts (Part I)	V	Economics Course - 11	History of Economic Thoughts- I
V	X	Economics of Development	V	Economics Course - 8	Economics of Development
V	XI	International Economics (Part I)	V	Economics Course - 9	International Economics- I

Equivalance B.A.III Economics Sem- VI

Sem No.	Paper No.	Title of Old Paper	Sem No.	Economics Course	Title of New Paper
VI	XII	Market and Pricing	VI	Economics Course- 12	Principles of Micro Economics- II
VI	XIII	Research Methodology in Economics (Part II)	VI	Economics Course- 15	Research Methodology in Economics- II
VI	XIV	History of Economic Thoughts (Part II)	VI	Economics Course- 16	History of Economic Thoughts- II
VI	XV	Economics of Planning	VI	Economics Course- 13	Economics of Planning
VI	XVI	International Economics (Part II)	VI	Economics Course- 14	International Economics- II

Structure of Course
Revised syllabus of B.A. Part III (Economics)

Sr. No.	Semester	Title of the Paper	Discipline	Distribution of Credit	Workload	Total Credits	Theory Marks	Term work seminar
1	V	Principles of Micro Economics- I	Economics Course- 7	4	4 Lectures / week	20	40	10
2	V	Economics of Development	Economics Course- 8	4	4 Lectures / week		40	10
3	V	International Economics- I	Economics Course- 9	4	4 Lectures / week		40	10
4	V	Research Methodology in Economics- I	Economics Course- 10	4	4 Lectures / week		40	10
5	V	History of Economic Thoughts- I	Economics Course- 11	4	4 Lectures / week		40	10
Sr. No.	**Semester**	**Title of the Paper**	**Discipline**	**Distribution of Credit**	**Workload**	**Total Credits**	**Theory Marks**	**Term work Group Project**
6	VI	Principles of Micro Economics- II	Economics Course- 12	4	4 Lectures / week	20	40	10
7	VI	Economics of Planning	Economics Course- 13	4	4 Lectures / week		40	10
8	VI	International Economics- II	Economics Course- 14	4	4 Lectures / week		40	10
9	VI	Research Methodology in Economics- II	Economics Course- 15	4	4 Lectures / week		40	10
10	VI	History of Economic Thoughts- II	Economics Course- 16	4	4 Lectures / week		40	10

B. A. III Economics (Semester V) (CBCS Pattern)

Principles of Micro Economics- I

(Elective Course- 7) DSE E-71

Course Outcomes: After successful completion of this course, the students will be able to:

- Explain what economics is and explain why it is important
- Understand consumer decision making and consumer behaviour
- Define the concept of utility and satisfaction
- Derive revenue and cost figures as well as curves
- Understand producer decision making and producer behaviour

Module- I Introduction to Micro Economics (Teaching Hours- 15, Credits- 01)

1.1 Meaning, nature and scope
1.2 Importance and limitations
1.3 The Economic Problem- Scarcity and Choice; concept of opportunity cost
1.4 Framework of economic analysis- Concept, module, parameters

Module- II Consumer's Behaviour (Teaching Hours- 15, Credits- 01)

2.1 Utility- concept, total and marginal utility
2.2 Cardinal utility approach: law of diminishing marginal utility
2.3 Ordinal utility approach: meaning and properties of indifference curve
2.4 Consumer's equilibrium and consumer's surplus

Module- III Demand and Supply Analysis (Teaching Hours- 15, Credits- 01)

3.1 Law of demand, demand function, determinants of demand
3.2 Elasticity of demand: price, income, cross and substitution
3.3 Measurement and importance
3.4 Law of supply, supply function and elasticity

Module- IV Theory of Production (Teaching Hours- 15, Credits- 01)

4.1 Law of variable proportions and law of returns to scale
4.2 Economies and diseconomies of scale
4.3 Revenue- total, marginal and average revenue
4.4 Cost concepts and their relationship, cost curves- short run and long run

BASIC READING LIST:

1. Dominic Salvator (2012) – Principles of Micro Economics, 5th edition, Oxford University Press, Oxford.
2. John B. Taylor & Akila Weerapana, (2011) 'Principles of Economics', 7th Edition, Cengage Learning, India, New Delhi.

3. Koutsoyiannis, A. (1979), Modern Microeconomics, 2nd Edition, Macmillan Press, London.
4. Lipsey Richard G., (latest edition), An Introduction to Positive Economics, Weidenfeld & Nicolson, London.
5. Lipsey, R.G. and K.A. Chrystal (latest edition), Principles of Economics (IX Ed.), Oxford University Press, Oxford.
6. Mankiw, N. Gregory (2008),Principles of Microeconomics, 5th Edition, Cengage Learning India, New Delhi.
7. Mansfield, E (latest edition), Microeconomics (9th Ed) W.W. Norton and Company, New York.
8. Pindyek and Rubinfield (latest edition)- Micro Economics, Pearson Education, New Delhi.
9. Ray, N.C. (latest edition), An introduction to Microeconomics, Macmillan company of India Ltd.
10. Samuelson, P.A. and W.D. Nordaus (latest edition), Economics, Tata McGraw Hill, New Delhi.
11. Stonier, A.W. and D.C. Hague (latest edition), A Textbook of Economic Theory, ELBS and Logman Group, London.
12. Varian, Hall (1992): Microeconomic Analysis, Third Edition, W. W. Norton & Company, Inc, New York.

B. A. III Economics (Semester V) (CBCS Pattern)
Economics of Development

(Elective Course- 8) DSE – E - 72

Course Outcomes: After successful completion of this course, the students will be able to:

- Identify the dimensions of development
- Distinguish the fundamental and contemporary development debate
- Know the theories of economic development
- Realise the role of state in economic development

Module- I: Basic concepts of economic development (Teaching Hours- 15, Credits- 01)

1.1 Meaning of economic development- Distinction between economic development and growth
1.2 Indicators of economic development
1.3 Obstacles to economic development
1.4 Sustainable and green development

Module- II: Developing and developed countries (Teaching Hours- 15, Credits- 01)

2.1 Underdevelopment and characteristics
2.2 Factors affecting economic development
2.3 Features of economic growth
2.4 Developmental status of Indian economy

Module- III: Theories of economic development (Teaching Hours- 15, Credits- 01)

3.1 Classical approach to development- Ricardian Theory
3.2 Myrdal's theory of economic development
3.3 Rostow's stages of economic growth
3.4 Theory of balanced and unbalanced growth

Module- IV: Resources for economic development (Teaching Hours- 15, Credits- 01)

4.1 Capital formation, Technology and economic development
4.2 Human capital and economic development
4.3 FDI, FIIs, Portfolio and Aid
4.4 Role of state in economic development

BASIC READING LIST:

1. Adelman, Irma (1962), *Theories of Economic Growth and Development*, Stanford University Press, Stanford.
2. Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 1to 3, Elsevire, Amsterdam. Economics 31
3. Ghatak, Subrata (1986), *Introduction to Development Economics*, Allen and Unwin, London.
4. Hayami, Yujiro and Yoshihisa Godo (1997), *Development Economics*, Oxford University Press, New York.
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13. Brahmananda, P.R. and C.N. Vakil (1956), *Planning for an Expanding Economy,* Vora and Co., Bombay.
14. Puri V. K. And S. K. Misra (2016), *Economics of Development and Planning*, Himalaya Publishing House.
15. Datta Gaurav and Ashwini Mahajan (2016), *Indian Economy*, S. Chand Publishing, New Delhi
16. Todaro Michael P. And Stephen C. Smith (2017), *Economic Development,* Pearson Education.
17. Chakravarti, Sukhamoy (1982), *Alternative Approaches to the Theory of Economic Growth,* Oxford University Press, Delhi.
18. Chakravarty, Sukhamoy (1987), *Development Planning : The Indian Experience,* Clarendon Press, Oxford.
19. Jhingan, M.L. (2005) *The Economics of Development and Planning* , Vrinda Publications Ltd. Delhi
20. Lekhi, R.K. (2005) *Economics of Development and Planning*, Kalyani Publishers, Delhi.
21. Patil, J. F. (et al) (2005) *Economics of Growth and Development* (Marathi) , Phadake Publishers, Kolhapur.
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23. Kavimandan (1975), *Economics of Development and Planning* (Marathi), Mangesh Prakashan , Nagpur

B. A. III Economics (Semester V) (CBCS Pattern)
International Economics- I
(Elective Course- 9) DSE – E 73

Course Outcomes: After successful completion of this course, the students will be able to:

- Explain international trade
- Understand the measurement of gains from international trade
- Distinguish different rates of exchange
- Measure the terms of trade

Module- I: Trade and Trade Theories (Teaching Hours- 15, Credits- 01)

1.1 Importance of the study of International Economics

1.2 Inter-regional and international trade: similarities and dissimilarities.

1.3 Ricardian theory of international trade

1.4 Hecksher – Ohlin Theory

Module- II: Gains from International Trade (Teaching Hours- 15, Credits- 01)

2.1 Gains from international trade and their measurement

2.2 Trade as an engine of economic growth.

2.3 Terms of trade: meaning, concepts and application

2.4 Factors affecting terms of trade

Module- III: Exchange Rate (Teaching Hours- 15, Credits- 01)

3.1 Meaning of exchange rate, Purchasing Power Parity theory

3.2 Fixed Exchange Rate – meaning, merits and demerits

3.3 Flexible Exchange Rate – meaning, merits and demerits

3.4 Floating Exchange Rate – meaning, merits and demerits

Module- IV: Tariffs and Quotas (Teaching Hours- 15, Credits- 01)

4.1 Free Trade: meaning, arguments for and against

4.2 Trade Protection Policy: meaning, arguments for and against.

4.3 Tariffs:meaning, types and effects

4.4 Quotas:meaning, types and effects.

BASIC READING LIST:

1 Aggarwal, M. R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

2 Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.

3 Crockett. A. (1982), International Money: Issue and Analysis, ELBS and Nelson, London.

4 Greenaway. D. (1983), International Trade Policy, MacMillan Publishers Ltd., London.
5 Heller, H. R. (1968), International Monetary Economics, Prentice Hall. India.
6 Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford
7 Kenan, P.B. (1994), The International Economy, Cambridge University Press, London.
8 Kindlberger, C. P. (1973), International Economics, R.D. Irwin, Homewood.
9 Krugman, P. R. and M. Obstgeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
10 Mithani D.M. (Reprint-2009) International Economics, Himalaya Publishing House, New Delhi.
11 Nayyar,D. (1976) : India's Exports and Export Policies in the 1960s, Cambridge University Press, Cambridge.
12 Panchmukhi, V. R. (1978), Trade Policies of India: A Quantitative Analysis, Concept University Press, Delhi.
13 Patel, S. J. (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
14 RuddarDatt& K.P.M. Sundaram, (2018), Indian Economy, S. Chand & Co. Ltd., New Delhi
15 Salvatore, D. L. (1997), International Economics, Prentice- Hall, Upper Saddle River, N. J.
16 Singh, M. (1964), India Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, Oxford.
17 Sodersten, Bo (1991), International Economics, MacMillan Press Ltd. London

B. A. III Economics (Semester V) (CBCS Pattern)

Research Methodology in Economics- I

(Elective Course- 10) DSE – E 74

Course Outcomes: After successful completion of this course, the students will be able to:

- Get acquainted with the basic concepts of research and its methodologies.
- Select and define appropriate research problem and parameters.

Module- I: Introduction to research in economics (Teaching Hours- 15, Credits- 01)

1.1 Meaning, definitions and objectives of research

1.2 Types of research

1.3 Significance of research

1.4 Areas of economic research

Module- II: Literature review and research design (Teaching Hours- 15, Credits- 01)

2.1 Literature review- meaning, need, how to carry out a literature review?

2.2 Research design- steps in research design

2.3 Features of good research design

2.4 Importance of research design

Module- III: Hypothesis and concept (Teaching Hours- 15, Credits- 01)

3.1 Meaning and definition, kinds of hypothesis

3.2 Features of hypothesis

3.3 Importance of hypothesis

3.4 Concept- meaning, conceptualization, formal and operational definition of concept

Module- IV: Data collection (Teaching Hours- 15, Credits- 01)

4.1 Primary and secondary data

4.2 Primary data collection methods- observation, questionnaire, interview

4.3 Sources of secondary data

4.4Importance of data collection

BASIC READING LIST:

1. Goode and Hatt(1981), Methods in Social Research, McGraw Hill International Book Company, New Delhi.
2. Kerliger F.N.(1983), Foundation of Behavioural Research, Surjeet Publication,Delhi.
3. Young P. V. (1960), Scientific Social Survey and Research, Asia Publication House,Mumbai.

4. Kothari C.R. (1993), Research Methodology-Methods and Techniques, Wiley Eastern Ltd.,New Delhi.
5. Lundbrg G.A.(1960), Social Research, Longmans Green and Company, New York.
6. Herekar P .M.(2019), Research Methodology and Project Work, Phadake Prakashan,Kolhapur.
7. Settiz Claire,Jahoda Marie and Others(1959), Research Methods in SocialResearch,Dryden New York.
8. Takur Dvendra(1997), Research Methodology in Social Sciences, Deep and Deep Publication,New Delhi.
9. Gupta S.P.and Gupta M.P.(2005), Business Statistics, Sultan Chand & Sons, New Delhi
10. Gupta C.B.(1996), An Introduction to Methods, Vikas Publication House,New Delhi.
11. देशमुख राम (जून 2005) : 'मूलभूत सांख्यिकी', विद्या प्रकाशन, नागपूर.
12. पाटील ज.फा., पठाण के.जी., ताम्हणकर पी.जे., संतोष यादव (2012) : 'अर्थशास्त्रीय संशोधनाची तोंडओळख', (सुधारित आवृत्ती), कॉन्टिनेंटल प्रकाशन, पुणे.
13. आगलावे प्रदीप (जानेवारी 2000) : 'संशोधन पध्दतीशास्त्र व तंत्रे', विद्या प्रकाशन, नागपूर.
14. खैरनार दिलीप (फेब्रुवारी 2009) : 'प्रगत सामाजिक संशोधन पध्दती व सांख्यिकी', डायमंडपब्लिकेशन्स, पुणे.
15. भांडारकर पु.ल. (1987) : 'सामाजिक संशोधन पध्दती', महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.

B. A. III Economics (Semester V) (CBCS Pattern)

History of Economic Thoughts- I

(Elective Course- 11) DSE – E 75

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the basic economic ideas of various economic thinkers of the world
- Understand the development of economic thoughts

Module-I: Origin of Economic Thoughts (Teaching Hours- 15, Credits- 01)

1.1 Early economic thought, rise of mercantilism, features of Mercantilism
1.2 Meaning and causes of emergence of Physiocracy
1.3 The concept of natural order and primacy of agriculture
1.4 Tableau economique

Module- II: Classical Economic Thoughts (Teaching Hours- 15, Credits- 01)

2.1 Adam Smith: Division of labour, theory of value and canons of taxation
2.2 David Ricardo: Theory of Value and views on distribution
2.3 Thomas Malthus: Theory of Population
2.4 Theory of Gluts

Module- III: Economic Thoughts of Fredrick List (Teaching Hours- 15, Credits- 01)

3.1 Criticism on Classical School
3.2 Stages of Economic growth
3.3 Concept of Nationalism
3.4 Theory of Protectionism

Module- IV: Economic Thoughts of Karl Marx (Teaching Hours- 15, Credits- 01)

4.1 The Concept of Scientific Socialism and Meterialist approach
4.2 The Theory of Value
4.3 Theory of Surplus Value
4.4 Concept of Falling rate of profit

BASIC READING LIST:

1. Dandekar V.M.and N.Nath (1971), Poverty in India, Indian school of political Economy, Pune.
2. Ganguli B. N. (1977): Indian Economic Thought - A 19th Century Perspectives,Tata Mc Grow Hill, New Delhi.
3. Rath Nilkanth(1995) V.M.Dandekar Social Scientist with a Difference : Journal of Indian School of Political Economy.Oct-Dec.1995, Vol-7 No-4.
4. Seshadri G.B.(1997): Economic Doctrines, Publishing Corporation, New Delhi.
5. चा.भ.खैरमोडे (१९७८) – डॉ.भीमराव रामजी आंबेडकर, खंड १ ला , खंड २ रा खंड ७ वा, प्रताप प्रकाशन.

6. गांधी मो.क.(१९९७) -मराठी अनुवाद सीताराम पुरोषोत्तम पटवर्धन'सत्याचे प्रयोग अथवा आत्मकथा पाचवी आवृत्ती.
7. डॉ.जे.एफ.पाटील (२०१५)– आर्थिक विचारांचा इतिहास, फडके प्रकाशन, कोल्हापूर.
8. इंगळे बी.डी. (२०११) आर्थिक विचारांचा इतिहास, अरुणा प्रकाशन, लातूर.
9. प्रा.रायखेलकर,डॉ.दामजी (२०११) – आर्थिक विचारांचा इतिहास, विद्या बुक पब्लिशर्स,औरंगाबाद.
10. प्रा.डॉ.अनिलकुमार वावरे, प्रा.संजय धोंडे, व डॉ.अनिल सत्रे (२०१४)– आर्थिक विचारांचा इतिहास, एज्युकेशनल पब्लिशर्स अॅन्ड डिस्ट्रिब्युटर्स,औरंगाबाद.
11. प्रा.रा.म.गोखले - आर्थिक विचारांचा इतिहास
12. डॉ.विजय कविमंडन - आर्थिक विचारांचा इतिहास

B. A. III Economics (Semester VI) (CBCS Pattern)

Principles of Micro Economics- II

(Elective Course- 12) DSE E 196

Course Outcomes: After successful completion of this course, the students will be able to:

- Identify the market structure
- Analyse the economic behaviour of individual firms and markets
- Analyse a firm's profit maximising strategies under different market conditions
- Understand the factor pricing

Module- I Perfect Competition (Teaching Hours- 15, Credits- 01)

1.1 Meaning and characteristics
1.2 price and outputdetermination under perfect competition
1.3 Equilibrium of the firm and industry in the short run
1.4 Equilibrium of the firm and industry in the long run

Module- II Monopoly (Teaching Hours- 15, Credits- 01)

2.1 Meaning and characteristics
2.2 Price discrimination and degrees
2.3 Equilibrium of a monopoly firm in the short run and long run
2.4 Monopoly and capacity loss

Module- III Imperfect Competition (Teaching Hours- 15, Credits- 01)

3.1 Meaning and characteristics
3.2 Price- output determination
3.3 Product differentiation
3.4 Oligopoly and duopoly- meaning and characteristics

Module- IV Factor Pricing (Teaching Hours- 15, Credits- 01)

4.1 Marginal productivity theory
4.2 Modern theory of rent
4.3 Classical and Keynesian theory of interest
4.4 Risk and uncertainty theory of profit

BASIC READING LIST:

1. Dominic Salvator (2012) – Principles of Micro Economics, 5th edition, Oxford University Press, Oxford.
2. John B. Taylor & Akila Weerapana, (2011) 'Principles of Economics', 7th Edition, Cengage Learning, India, New Delhi.

3. Koutsoyiannis, A. (1979), Modern Microeconomics, 2nd Edition, Macmillan Press, London.
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8. Pindyek and Rubinfield (latest edition)- Micro Economics, Pearson Education, New Delhi.
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11. Stonier, A.W. and D.C. Hague (latest edition), A Textbook of Economic Theory, ELBS and Logman Group, London.
12. Varian, Hall (1992): Microeconomic Analysis, Third Edition, W. W. Norton & Company, Inc, New York.

B. A. III Economics (Semester VI) (CBCS Pattern)
Economics of Planning
(Elective Course- 13) DSE – E 197

Course Outcomes: After successful completion of this course, the students will be able to:

- Get acquainted with economic planning and its importance in development
- Get acquianted with development of planning and planning machinery in India
- Evaluate sectoral performance of the Indian economy
- Compare and analyse Indian models of economic development

Module- I: Introduction to economic planning (Teaching Hours- 15, Credits- 01)

1.1 Meaning, Case for and against economic planning
1.2 Genesis of planning
1.3 Types of planning
1.4 Conditions of success of planning

Module- II: Issues in economic planning (Teaching Hours- 15, Credits- 01)

2.1 The choice of techniques: labour and capital intensive
2.2 Capital output ratio: Importance and factors affecting COR
2.3 Input output analysis
2.4 Project evaluation

Module- III: Planning in India- I (Teaching Hours- 15, Credits- 01)

3.1 Evolution of planning in India
3.2 Objectives and evaluation of planning
3.3 Planning Commission and National Development Council
3.4 NITI Ayog- Need for establishment, organization, objectives and work

Module- IV: Planning in India- II (Teaching Hours- 15, Credits- 01)

4.1 Plan models in Indian plans
4.2 Agricultural development under plans
4.3 Industrial development under plans
4.4 Services sector development under plans

BASIC READING LIST:

1. Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 1to 3, Elsevire, Amsterdam. Economics 31
2. Hayami, Yujiro and Yoshihisa Godo (1997), *Development Economics*, Oxford University Press, New York.
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B. A. III Economics (Semester VI) (CBCS Pattern)

International Economics- II

(Elective Course- 14) DSE – E 198

Course Outcomes: After successful completion of this course, the students will be able to:

- Distinguish between balance of trade and balance of payments
- Analyse the balance of payments
- Understand the various types of foreign capital
- Analyse the impact of international institutions on Indian economy

Module- I: Balance of Trade and Balance of Payments(Teaching Hours- 15, Credits- 01)

1.1 Balance of Trade and Balance of Payments

1.2 Importance of Balance of Payments

1.3 Disequilibrium in Balance of Payments: Causes and Consequences

1.4 Measures to correct disequilibrium in Balance of Payments

Module- II: Foreign Trade of India since 1991 (Teaching Hours- 15, Credits- 01)

2.1 Volume, composition and direction

2.2 Exim Policy of 2014-19

2.3 Trade administration of India

2.4 Convertibility of Rupee: Meaning and types.

Module- III: Foreign Capital in India (Teaching Hours- 15, Credits- 01)

3.1 Need for Foreign Capital

3.2 Types of Foreign Capital

3.3 Foreign Capital Policy of Government of India

3.4 Trends in Foreign Direct Investment in India

Module- IV: International Institutions and India (Teaching Hours- 15, Credits- 01)

4.1 IMF: Objectives and Functions

4.2 IBRD: Objectives,Functions

4.3 ADB: Objectives, Functions

4.4 WTO: Objectives, Functions

BASIC READING LIST:

1 Aggarwal, M. R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

2 Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.

3 Crockett. A. (1982), International Money: Issue and Analysis, ELBS and Nelson, London.

4 Greenaway. D. (1983), International Trade Policy, MacMillan Publishers Ltd., London.
5 Heller, H. R. (1968), International Monetary Economics, Prentice Hall. India.
6 Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford
7 Kenan, P.B. (1994), The International Economy, Cambridge University Press, London.
8 Kindlberger, C. P. (1973), International Economics, R.D. Irwin, Homewood.
9 Krugman, P. R. and M. Obstgeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
10 Mithani D.M. (Reprint-2009) International Economics, Himalaya Publishing House, New Delhi.
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13 Patel, S. J. (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
14 RuddarDatt& K.P.M. Sundaram, (2018), Indian Economy, S. Chand & Co. Ltd., New Delhi
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16 Singh, M. (1964), India Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, Oxford.
17 Sodersten, Bo (1991), International Economics, MacMillan Press Ltd. London

B. A. III Economics (Semester VI) (CBCS Pattern)

Research Methodology in Economics- II

(Elective Course- 15) DSE – E - 199

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the sampling techniques as a method of data collection
- Use techniques of data analysis in research
- Write a research report and thesis
- Write a research proposal (grants)

Module- I: Sampling (Teaching Hours- 15, Credits- 01)

1.1 Meaning and nature

1.2 Types of sampling

1.3 Criteria of good sampling

1.4 Optimum size of sampling

Module- II: Processing and representation of data (Teaching Hours- 15, Credits- 01)

2.1 Classification of data

2.2 Tabulation of data

2.3 Percentage

2.4 Graphs and diagrams

Module- III: Techniques of data analysis (Teaching Hours- 15, Credits- 01)

3.1 Need and importance of data analysis

3.2 Measures of central tendency: mean, mode, median (direct method)

3.3 Measures of variation: range, standard deviation (direct method)

3.4 Correlation- meaning and importance, Karl Pearson's coefficient of correlation

Module- IV: Interpretation of data and report writing(Teaching Hours- 15, Credits- 01)

4.1 Interpretation of data: meaning

4.4 Report writing: meaning, steps, precautions

4.5 Properties of good report writing

4.4 Writinga good research proposal

BASIC READING LIST:

1. Goode and Hatt (1981), Methods in Social Research, McGraw Hill International Book Company, New Delhi.
2. Kerliger F.N.(1983), Foundation of Behavioural Research, Surjeet Publication,Delhi.
3. Young P. V.(1960), Scientific Social Survey and Research, Asia Publication House,Mumbai.
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13. आगलावे प्रदीप (जानेवारी 2000) : 'संशोधन पध्दतीशास्त्र व तंत्रे', विद्या प्रकाशन, नागपूर.
14. खैरनार दिलीप (फेब्रुवारी 2009) : 'प्रगत सामाजिक संशोधन पध्दती व सांख्यिकी', डायमंड पब्लिकेशन्स, पुणे.
15. भांडारकर पु.ल. (1987) : 'सामाजिक संशोधन पध्दती', महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.

B. A. III Economics (Semester VI) (CBCS Pattern)

History of Economic Thoughts- II

(Elective Course- 16) DSE – E 200

Course Outcomes: After successful completion of this course, the students will be able to:

- Understand the economic concepts and theories of Neo-Classical and Indian thinkers.
- Understand the development of economic thoughts

Module- I: Neo- Classical Economic Thought – Alfred Marshall

(Teaching Hours- 15, Credits- 01)

1.1 Theory of Value
1.2 The concept of representative firm
1.3 Consumer's surplus, elasticity of demand
1.4 Quasi rent

Module- II: Indian Economic Thought (Teaching Hours- 15, Credits- 01)

2.1 Mahatma Phule: Views on agriculture and education
2.2 Rajarshi Shahu Maharaj: Policy for agriculture development and co-Operation
2.3 Dr. Babasaheb Ambedkar: Views on money, agriculture and development policy
2.4 Dadabhai Nauroji: Drain theory

Module- III: Mahatma Gandhi (Teaching Hours- 15, Credits- 01)

3.1 Concept of village development
3.2 Importance of decentralization
3.3 Basic principle of development: swadeshi
3.4 Concept of Gram Swarajya

Module- IV: Economic Thoughts of Modern Indian Economist

(Teaching Hours- 15, Credits- 01)

4.1 Gopal Krishna Gokhale's views on public finance
4.2 D. R. Gadgil: Views on co-operative development and decentralization of power, co-operative commonwealth
4.3 V. M. Dandekar: Views on poverty
4.4 Amartya Sen: Concept of social choice, choice of techniques, Sen's views on poverty and public action

BASIC READING LIST:

1. Dandekar V.M.and N.Nath (1971), Poverty in India, Indian school of political Economy, Pune.

2. Ganguli B. N. (1977): Indian Economic Thought - A 19th Century Perspectives,Tata Mc Grow Hill, New Delhi.

3. Rath Nilkanth(1995) V.M.Dandekar Social Scientist with a Difference : Journal of Indian School of Political Economy.Oct-Dec.1995, Vol-7 No-4.
4. Seshadri G.B.(1997): Economic Doctrines, Publishing Corporation, New Delhi.
5. चा.भ.खैरमोडे (१९७८) – डॉ.भीमराव रामजी आंबेडकर, खंड १ ला , खंड २ रा खंड ७ वा, प्रताप प्रकाशन.
6. गांधी मो.क.(१९९७) -मराठी अनुवाद सीताराम पुरोषोत्तम पटवर्धन'सत्याचे प्रयोग अथवा आत्मकथा पाचवी आवृत्ती.
7. डॉ.जे.एफ.पाटील (२०१५)– आर्थिक विचारांचा इतिहास, फडके प्रकाशन, कोल्हापूर.
8. इंगळे बी.डी. (२०११) आर्थिक विचारांचा इतिहास, अरुणा प्रकाशन, लातूर.
9. प्रा.रायखेलकर,डॉ.दामजी (२०११) – आर्थिक विचारांचा इतिहास, विद्या बुक पब्लिशर्स,औरंगाबाद.
10. प्रा.डॉ.अनिलकुमार वावरे, प्रा.संजय धोंडे, व डॉ.अनिल सत्रे (२०१४)– आर्थिक विचारांचा इतिहास, एज्युकेशनल पब्लिशर्स अॅन्ड डिस्ट्रिब्युटर्स,औरंगाबाद.
11. प्रा.रा.म.गोखले - आर्थिक विचारांचा इतिहास
12. डॉ.विजय कविमंडन - आर्थिक विचारांचा इतिहास

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A' Grade
CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - I

PSYCHOLOGY

(Syllabus to be implemented from June, 2018 onwards.)

B.A. (Part I)
(Introduced from June 2018 onwards)
FOUNDATIONS OF PSYCHOLOGY
SEMESTER-I

(i) Paper : I

(ii) Title of Paper : FOUNDATIONS OF PSYCHOLOGY

(iii) Specific Objectives:
1)To makes the students familiar with the field ofgeneral Psychology.
2) To acquaint the students with Cognitive Process, States of Consciousness and Learning.
3) To acquaint the students withMemory Processes.

(iv) Module	**No.of Credits**
Unit 1: Introduction	1
Unit 2: Perceptual Organization and Sleep.	1
Unit 3: Learning	1
Unit 4: Memory	1

(v) Recommended Reading:

a) Basic Reading:

1. Feldman. Robert. S. (2011). *Understanding Psychology*, Tenth Edition, Indian Edition. Chennai : McGraw Hill Education (India) Pvt. Ltd.

b) References:

1. Ciccarelli , S. K & Meyer, G.E (2008). *Psychology*, (South Asian Edition). New Delhi: Pearson Longman.

B.A. (Part I)
(Introduced from June 2018onwards)
FOUNDATIONS OF PSYCHOLOGY
SEMESTER-I

(i) Paper : I
(ii) Title of Paper : FOUNDATIONS OF PSYCHOLOGY
(iii) Discipline : PSYCHOLOGY

Module I) Introduction

1.1) What is Psychology?
1.2) Today's Perspectives.
a) Psychodynamic Perspective
b) Behavioral Perspective
c) Cognitive Perspective
d) Humanistic Perspective
1.3) Conducting Psychological Research
a) Correlational Research
b) Experimental Research

Module II) Perceptual Organization and Sleep.

2.1) a) The Gestalt Laws of Organization
b) Top-Down and Bottom-Up Processing
c) Depth Perception
d) Perceptual Constancy
e) Perceptual Illusions
2.2) Sleep
a) The Stages of Sleep
b) REM Sleep
c) Why Do We Sleep, and How Much Sleep Is Necessary?

Module III) Learning

3.1) a) The Basics of ClassicalConditioning
b) Applying ConditioningPrinciples to Human Behavior
c) Extinction
d) Generalizationand Discrimination

3.2) The Basics Operant Conditioning
a) Reinforcement
b) Positive Reinforces, Negative Reinforces, and Punishment
c) Schedule of Reinforcement
d) Discrimination and Generalization in Operant Condition

Module IV) Memory

4.1 The Foundations of Memory
a) Sensory Memory
b) Short-Term Memory
c) Working Memory
4.2 Long-Term Memory
a) Long-Term Memory Modules
b) Semantic Networks
c) The Neuroscience of Memory
4.3 Autobiographical Memory

B.A. (Part I)
(Introduced from June 2018onwards)
GENERAL PSYCHOLOGY
SEMESTER-II

(i) Paper : II
(ii) Title of Paper : General Psychology
(iii) Specific Objectives: 1)To makes the students familiar with the field ofgeneral Psychology.
2) To acquaint the students with intelligence, motivation and emotions.
3) To acquaint the students with Personality.

(iv) Module	**No.of Credits**
Unit 1: Intelligence	1
Unit 2: Motivation	1
Unit 3: Emotions	1
Unit 4: Personality	1

(v) Recommended Reading:

a) Basic Reading:

2. Feldman. Robert. S. (2011). *Understanding Psychology*, Tenth Edition, Indian Edition. Chennai : McGraw Hill Education (India) Pvt. Ltd.

b) References:

1. Ciccarelli , S. K & Meyer, G.E (2008). *Psychology*, (South Asian Edition). New Delhi: Pearson Longman.

REVISED SYLLABUS OF B. A. PART – I (PSYCHOLOGY)
(Implemented from June, 2018)
SEMESTER-II
GENERAL PSYCHOLOGY
Paper – II

(i) Paper : II
(ii) Title of Paper : GENERAL PSYCHOLOGY
(iii) Discipline : PSYCHOLOGY

Module I) Intelligence

1.4) What is Intelligence?
1.5) Theories of Intelligence
e) Fluid and Crystallized Intelligence
f) Gardner's Multiple Intelligence

1.6) Practical and Emotional Intelligence
1.7) Assessing Intelligence
c) Binet and the Development of IQ Tests
d) Contemporary IQ tests

Module II) Motivation

2.1) Exploring Motivation
a) Instinct Approaches
b) Drive-Reduction Approaches
c) Arousal Approaches
d) Incentive Approaches
e) Cognitive Approaches

2.2) Human Needs and Motivation
a)The Motivation behind Hunger and Eating
b) The Need for Achievement
c) The Need for Affiliation
d) The Need for Power

Module III) Emotions

3.1 Understanding EmotionalExperiences
a) The Functions of Emotions
b) Determining the Range ofEmotions
3.2 The Roots of Emotions
a) The James-Lange Theory
b) The Cannon-Bard Theory
c) The Schachter-Singer Theory
d) Contemporary Perspectives on the Neuroscience of Emotions
e) Making Sense of the Multiple Perspectives on Emotion

Module IV) Personality

4.1 Psychodynamic Approaches to Personality

a)Freud's Psychoanalytic Theory
b) Trait Approaches
c) Learning Approaches

4.4 Assessing Personality

a) Self-Report Measuresof Personality
b) Projective Methods
c) Behavioral Assessment

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B.A. (Part II) Semester III (CBCS Pattern)

Introduced from June, 2019 Onwards

i. **Paper : I**

ii. **Title of paper : FOUNDATIONS OF HUMAN DEVELOPMENT (I.D.S.)**

iii. **Specific objectives :**

1. To acquaint the students with processes of change and stability through about the human lifespan.
2. To introduce the birth process.
3. To recognize characteristics of the infant & babyhood.
4. To acquaint the students physical development in babyhood.
5. To recognize the common physical hazards of babyhood.
6. To introduce characteristics of the childhood.
7. To acquaint the students emotions of early childhood.
8. To recognize the physical & psychological hazards of late childhood.

iv.

Module	**No. of credits**
Module- 1: About Human Development	01
Module- 2: Conceiving New Life	01
Module- 3: Infancy and Babyhood	01
Module- 4: Childhood	01

v. **Equivalence**

Old Paper	New Paper
Human Development (I.D.S.)	**Foundations of Human Development(I.D.S.)**

vi. **Recommended reading**

a) Basic Reading :

1.Hurlock, Elizabeth B. (1980). Developmental Psychology- A Life - span Approach, Fifth edition 8th 1989, Reprint.
New Delhi: Tata McGraw – Hill Publishing Company Ltd.

2. Papalia, Diane E., Olds, Sally Wendkos, (1992). Human Development, 5th edition, second reprint 1996, New Delhi :Tata McGraw – Hill Publishing Company Limited .

b) References :

1. Berk, Laura E. (2007). Development Through the Lifespan – Third Edition, Law Price Edition, Pearson Education Inc.

2. Hurlock E. B. (2001) : Developmental Psychology, A Life Span Approach, New Delhi : TMH Publishing Company Ltd.

3. Papalia, Diane E and Olds Sally Wendkas (2002). Human Development, 7th edition, Second print, New Delhi: Tata McGraw Hill Publishing Company Ltd.

4. Door Shikshan Kendra, Shivaji Vidyapeeth, (2008). Manavi vikas, Kolhapur: Kulsachiv, Shivaji University, Kolhapur.

5. Borude, Kumthekar, Desai, Golvilkar (2013). Vaikasik Manasshatra, dusari aavrutti, Pune: Vidyarthi Gruha Prakashan.

6. Kandalkar Leena (2000). Manav Vikas, Nagpur : Vidya Prakashan.

7. Vharadpande, Nalini (2001). Balvikas, Nagpur : Maharashtra Grantha Nirmiti Mandal.

8.Jadhav, K.M. (2007). Manavi Vikasache Manasshstra, Pune: Dimond Publication.

9. Hirve, Tadsare (1997).Vaikasik Manasshstra, Kolhapur: Phadake Prakashan.

Shivaji University, Kolhapur
B.A. (Part II) Semester III (CBCS Pattern)
Foundations of Human Development (I.D.S.)
Revised Course Syllabus to Be Implemented From June, 2019 Onwards

Paper- I

Module - I About Human Development

1.1- Introduction to Human Development

1.2- Domains of Human Development

a. Major Domains

b. Periods of Life-span

1.3- Influences on Development

a. Individual Differences

b. Heredity

c. Environment

d. Maturation

1.4- Theoretical Perspectives

a. Psychoanalytic Perspectives

b. Learning Perspectives

c. Cognitive Perspectives

1.5- Research Methods

a. Sampling

b. Forms of Data Collection

Module – II Conceiving New Life

2.1- How Fertilization Takes Place?

a. Fertilization

b. What Causes Multiple Births?

c. What Determines Sex?

2.2- Prenatal Development

a. Stages of Prenatal Development

b. Environmental Influences

c. Prenatal Care

2.3- The Birth Process

a. Stages of Child Birth

b. Methods of Delivery.

Module – III Infancy and Babyhood

3.1- Characteristics of Infancy

3.2- Major Adjustments of Infancy

3.3- Characteristics of Babyhood
3.4- Physical Development
3.5- Physical Hazards of Babyhood

Module - IV Childhood

4.1- Characteristics of Childhood
a. Characteristics of Early Childhood
b. Characteristics of Late Childhood
4.2- Emotions of Early Childhood
4.3- Factors Affecting the Self-Concept in Late Childhood
4.4- Hazards of Late Childhood
a. Physical Hazards
b. Psychological Hazards

Shivaji University, Kolhapur
B.A. (Part II) Semester IV (CBCS Pattern)
Introduced from June, 2019 Onwards
Modern Human Development (I.D.S.)

i) Paper : II
ii) Title of paper : Modern Human Development (I.D.S.)
iii) Specific objectives :

1. To makes the students familiar with adolescence developmental process & health.
2) To recognize the family relationship with adolescents.
3) To introduced the problems of adolescents.
4) To introduced the physical development of adulthood.
5) To acquaint the students attraction, love & close relationship.
6) To introduced the physical development of middle age.
7) To recognize the work & personal relationships of middle age.
8) To acquaint the students with process of physical changes & physical development of old age.
9) To introduced the health, process of work & retirement of old age.

iv) Module	**No. of credits**
Module- 1: Adolescence	01
Module- 2: Adulthood	01
Module- 3: Middle adulthood (Middle age)	01
Module- 4: Late adulthood (Old Age)	01

v) Equivalence

Old Paper	New Paper
Human Development (I.D.S.)	**Modern Human Development(I.D.S.)**

vi) Recommended reading

a). Basic Reading :

1. Diane, E. Papalia, Sally Wendkos Olds, (1994). Human Development, Fifth Editions, New Delhi: TMH Publishing Co. Ltd.
2. Santrock, J. W. (2011). Life span Development, Thirteenth edition, New Delhi: McGraw – Hill Education (India) Pvt. Ltd.

b). References :

1. Berk, Laura E. (2007). Development Through the Lifespan – Third Edition, Law Price Edition, Pearson Education Inc.
2. Hurlock E. B. (2001). Developmental Psychology, A Life Span Approach, New Delhi : TMH Publishing Company Ltd.
3. Papalia, Diane E and Olds Sally Wendkas (2002). Human Development, 7th edition, Second print, New Delhi: Tata McGraw Hill Publishing Company Ltd.
4. Door Shikshan Kendra, Shivaji Vidyapeeth, (2008). Manavi vikas, Kolhapur: Kulsachiv, Shivaji University, Kolhapur.
5. Borude, Kumthekar, Desai, Golvilkar (2013). Vaikasik Manasshatra, dusari aavrutti, Pune: Vidyarthi Gruha Prakashan.
6. Kandalkar Leena (2000). Manav Vikas, Nagpur : Vidya Prakashan.
7. Vharadpande, Nalini (2001). Balvikas, Nagpur : Maharashtra Grantha Nirmiti Mandal.
8. Jadhav, K.M. (2007). Manavi Vikasache Manasshstra, Pune: Dimond Publication.
9. Hirve, Tadsare (1997). Vaikasik Manasshstra, Kolhapur: Phadake Prakashan.

Shivaji University, Kolhapur

B.A. (Part II) Semester IV (CBCS Pattern)

Revised Course Syllabus to Be Implemented From June, 2019 Onward

Modern Human Development (IDS)

Paper- II

Module –I Adolescence

1.1- Physical Changes

a. Puberty
b. The Brain
c. Adolescent Sexuality

1.2- Adolescent Health

a. Nutrition and Exercise
b. Substance Use and Abuse
c. Eating Disorders

1.3- Families Relationship

a. Parental Monitoring
b. Autonomy and Attachment
c. Parent- Adolescent Conflict

1.4- Adolescent Problems

a. Juvenile Delinquency
b. Depression and Suicide
c. The Interrelation of Problems and Intervention Programs

Module-II Adulthood

2.1- Physical Development

a. Physical Performance and Development
b. Health
c. Eating and Weight
d. Regular Exercise

2.2- Attraction, Love and Close Relationship

a. Attraction
b. Faces of Love
c. Falling Out of Love

2.3- Marriage and Family

a. Making Marriage Work
b. Becoming a Parent
c. Dealing with Divorce

Module- III Middle Adulthood

3.1- Physical Development

a. Sensory and Psychomotor Functioning

b. Sexuality

3.2- Health in Middle Adulthood

a. Health Status

b. Health Problems

3.3- Works in Middle Adulthood

a. Occupational Patterns

b. Occupational Stress

c. Unemployment

3.4- Personal Relationships

a. Marriage and Divorce

b. Relationships with Siblings

c. Relationships with Maturing Children

d. Relationships with Aging Parents

Module- IV Late Adulthood (Old Age)

4.1- Physical Development

a. Longevity and the Aging Process

b. Life Expectancy

c. Why People Age?

4.2- Physical Changes

a. Sensory and Psychomotor Functioning

b. Other Physical Changes

c. Reserve Capacity

4.3- Health

a. Influences on Health and Fitness

b. Health Care and Health Problems

4.4- Work and Retirement

a. Why People Retire?

b. How People Feel about Retirement?

c. Making the Most of Retirement

Nature of Question Paper for semester III & IV (Paper I & II)

Total Marks- 50

Q.1) Select the correct alternative from the following 10

Q.2) Write Short Notes (any four out of six) 20

Q.3) A) Broad question 10

Or

B) Broad question

Q.4) A) Broad question 10

Or

B) Broad question

SHIVAJI UNIVERSITY, KOLHAPUR

SYLLABUS

Choice Based Credit System

B.A. (Part II)

Psychology

(Introduced from June 2019 onwards)

Semester - III

i. Paper : III

ii. Title of paper : PSYCHOLOGY FOR LIVING

iii. Specific objectives :

1. To acquaint the students with processes of Psychology for living.
2. To introduce students the concept of Stress.
3. To acquaint the students with Understanding mental disorders.
4. To introduce students various Psychotherapies and their uses.

iv.

Module	**No. of credits**
Module- 1:Towards Better Health	01
Module- 2:Stress	01
Module- 3:Understanding Mental Disorders	01
Module- 4:If You go for help	01

v. Equivalence

Old Paper	New Paper
CHILD PSYCHOLOGY	**PSYCHOLOGY FOR LIVING**

vi. Recommended reading

a) Book for Study:

Kirsh, S.J., Duffy, K.G., & Atwater, E. (2015). *Psychology for Living- Adjustment, Growth, and Behavior Today*. (11th ed.). Noida (UP) :Pearson India Education Services Pvt. Ltd.

b) Books for Reference:

c) Atwater, E. (1994). Psychology for Living (5th ed.). New Delhi: Prentice-Hall of India Private Ltd.

d) Barve, B. N. (1998). Jivanmanache Manasshastra. Jalana: Sankalp Pub.

e) Weiten, W. & Margaret, A.L. (1994). *Psychology Applied to Modern Life*, (7th ed.).Singapore: Thomson Asia Pvt. Ltd.

SHIVAJI UNIVERSITY, KOLHAPUR
SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)

Semester – III

PSYCHOLOGY FOR LIVING (Paper III)

Module I: Towards Better Health

1.1 Body Image

A. How We Feel About Our Bodies?

B. Media and Body Image

C. Our Ideal Body

1.2 Health and the Mind-Body Relationship

A. The Immune System

B. Personality

C. Life Style Choices

D. Environmental Issues

1.3 Promoting Wellness

A. Taking Charge of Your Own Health

B. Eating Sensibly

C. Keeping physically fit

D. Finding Social Support

Module II: Stress

2.1 Understanding Stress

A. Conceptualizing Stress

B. Major Causes of Stress

C. Stress in College

2.2 Reactions to Stress

A. Physiological Stress Reactions

B. Psychological Stress Reactions

C. How Do You React to Stress?

2.3 Managing Stress

A. Modifying Your Environment

B. Altering Your Lifestyle

C. Using Stress for Personal Growth

Module III: Understanding Mental Disorders

3.1 Psychological Disorders

A. What are Psychological Disorders?

B. How Common Are Psychological Disorders?

C. Putting Mental Health in Perspective

3.2 Anxiety disorders

A. Generalized Anxiety Disorders

B. Panic Disorders

C. Phobias

D. Obsessive-Compulsive Disorder

3.3 Mood Disorders

A. Depressive Disorders

B. Bipolar Disorder

C. Suicide

Module 4: If You go for help

4.1 Psychotherapy

A. Gender differences in adulthood

B. Cultural Issues

C. Applying it to Yourself

4.2 Insight Therapies

A. Psychoanalysis

B. Person-centered Approach

4.3 Cognitive and Behavioural Therapies

A. Behavioural Therapies

B. Cognitive Therapies

C. Cognitive-Behavioural Therapy

SHIVAJI UNIVERSITY, KOLHAPUR
SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)
Semester – III

i. **Paper : IV**

ii. **Title of paper : SOCIAL PSYCHOLOGY**

iii. **Specific objectives :**

1. To acquaint the students with processes of Social Psychology
2. To introduce students the concept of Social Perception.
3. To acquaint the students with the Self and self esteem.
4. To introduce students concept of attitude formation, persuasion and cognitive dissonance.

iv.

Module	**No. of credits**
Module- 1:Introduction to Social Psychology	01
Module- 2:Social Perception	01
Module- 3:The Self	01
Module- 4:Attitude	01

v. **Equivalence**

Old Paper	New Paper
SOCIAL PSYCHOLOGY	**SOCIAL PSYCHOLOGY**

vi. **Recommended reading**

a) Book for Study:

Branscombe, N. R., Baron, R. A. & Kapur, P. (2017). Social Psychology.(14th ed.), Noida (UP) :Pearson India Education Services Pvt. Ltd., Second Impression 2018 .

b) Books for Reference:

1. Aronson, E., Wilson, T. D., Akert, R. M. & Sommers, S. R. (2015). Social Psychology, (9th ed.), New Jersey: Pearson Education Prentice Hall.
2. Baron, R. A., & Branscombe, N. R. (2012). Social Psychology. (13th ed.). New Delhi: Pearson Education; Indian reprint 2014.
3. Mercer, J. & Clayton, D.(2014). Social Psychology, New Delhi: Dorling Kindersley India Pvt. Ltd.

SHIVAJI UNIVERSITY, KOLHAPUR
SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)

Semester – III

SOCIAL PSYCHOLOGY (Paper – IV)

Module 1. Introduction to Social Psychology

1.1: Definition of Social Psychology:

A. Social Psychology Is Scientific in Nature

B. Social Psychology Focuses on the Behavior of Individuals

C. Social Psychology Seeks to Understand the Causes of Social Behavior

1.2: Social Psychology: Advances at the Boundaries

A. Cognition and Behavior

B. The Role of Emotion in the Social Side of Life

C. Social Relationships

1.3: Research as the Route to Increased Knowledge

A. Systematic Observation

B. The Experimental Method

C. Correlational Method

Module 2. Social Perception

2.1: Nonverbal Communication

A. Basic Channels of Nonverbal Communication

B. Nonverbal Cues in Social Life

C. Recognizing Deception

2.2: Attribution

A. Theories of Attribution

B. Basic Sources of Error in Attribution

C. Applications of Attribution Theory

2.3: Impression Formation and Management

A. Impression Formation

B. Impression Management

Module 3.The Self

3.1: Self-Presentation

A. Self–Other Accuracy in Predicting Our Behavior

B. Self-Presentation Tactics

3.2: Personal Identity versus Social Identity

A. Who I Think I Am Depends on the Social Context?

B. Who I Am Depends on Others' Treatment ?

3.3: Self-Esteem

A. The Measurement of Self-Esteem

B. How Migration Affects Self-Esteem?

C. Do Women and Men Differ in Their Level of Self-Esteem?

Module 4. Attitude

4.1: Attitude Formation

A. Classical Conditioning

B. Instrumental Conditioning

C. Observational Learning

4.2: The Science of Persuasion

A. Persuasion: Communicators, Messages, and Audiences

B. The Cognitive Processes Underlying Persuasion

4.3: Cognitive Dissonance

A. Dissonance and Attitude Change

B. Alternative Strategies for Resolving Dissonance

C. When Dissonance Is a Tool for Beneficial Changes in Behavior?

SHIVAJI UNIVERSITY, KOLHAPUR
SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)

Semester IV

i. Paper : V

ii. Title of paper : MODERN SOCIAL PSYCHOLOGY

iii. Specific objectives :

1. 1.To acquaint the students with processes of liking (attraction) and sources of liking.
2. To introduce students the concept of Social influence, Conformity and Compliance.
3. To acquaint the students with Understanding Prosocial Behavior.
4. To introduce students the concept of Aggression, its causes and control.

iv.

Module	**No. of credits**
Module- 1: Liking (Attraction)	01
Module- 2: Social Influence	01
Module- 3:Prosocial Behavior	01
Module- 4:Aggression	01

v. Equivalence

Old Paper	New Paper
DEVELOPMENTAL PSYCHOLOGY	**MODERN SOCIAL PSYCHOLOGY**

vii. Recommended reading

a) Book for Study:

Branscombe, N. R., Baron, R. A. & Kapur, P. (2017). Social Psychology.(14th ed.), Noida (UP) :Pearson India Education Services Pvt. Ltd., Second Impression 2018 .

b) Books for Reference:

1) Aronson, E., Wilson, T. D., Akert, R. M. & Sommers, S. R. (2015). Social Psychology, (9th ed.), New Jersey: Pearson Education Prentice Hall.
2) Baron, R. A., & Branscombe, N. R. (2012). Social Psychology. (13th ed.). New Delhi: Pearson Education; Indian reprint 2014.
3) Mercer, J. & Clayton, D.(2014). Social Psychology, New Delhi: Dorling Kindersley India Pvt. Ltd.

SHIVAJI UNIVERSITY, KOLHAPUR

SYLLABUS

Choice Based Credit System

B.A. (Part II)

Psychology

(Introduced from June 2019 onwards)

Semester IV

MODERN SOCIAL PSYCHOLOGY (Paper V)

Module 1. Liking (Attraction)

1.1: Internal Sources of Liking Others

A. The Importance of Affiliation in Human Existence

B. The Role of Affect

1.2: External Sources of Attraction

A. The Power of Proximity

B. Physical Beauty

1.3: Sources of Liking Based on Social Interaction

A. Similarity

B. Reciprocal Liking or Disliking

C. Social Skills

D. Personality and Liking

Module 2. Social Influence

2.1: Conformity

A. Social Pressure

B. How Social Norms Emerge

C. Factors Affecting Conformity

D. Social Foundations of Conformity

E. Reasons for Nonconformity

2.2: Compliance

A. The Underlying Principles of Compliance

B. Tactics Based on Friendship or Liking

C. Tactics Based on Commitment or Consistency

D. Tactics Based on Reciprocity

Module 3. Prosocial Behavior

3.1: Why People Help?

A. Empathy-Altruism

B. Negative-State Relief

C. Empathic Joy

3.2: Factors That Increase or Decrease the Tendency to Help

A. Factors That Increase Prosocial Behavior

B. Factors That Reduce Helping

3.3: Crowd funding: A New Type of Prosocial Behavior

A. Emotion and Prosocial Behavior

B. Gender and Prosocial Behavior

3.4: Final Thoughts: Are Prosocial Behavior and Aggression Opposites?

Module 4. Aggression

4.1: Perspectives on Aggression

A. The Role of Biological Factors

B. Drive Theories

C. Modern Theories of Aggression

4.2: Causes of Human Aggression

A. Basic Sources of Aggression

B. Social Causes of Aggression

C. Gender and Aggression

D. Situational Determinants of Aggression

4.3: The Prevention and Control of Aggression

A. Punishment

B. Self-Regulation

C. Catharsis

D. Reducing Aggression by Thinking Nonaggressive Thoughts

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SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)

Semester IV

i. Paper : VI
ii. Title of paper : APPLIED PSYCHOLOGY

iii. Specific objectives :

1. To acquaint the students with processes of Personal control, Decision Making and Personal growth.
2. To introduce students the work, career, play and using leisure positively.
3. To acquaint the students with Making and keeping friends
4. To introduce students the concept of Love and Commitment.

iv. Module	**No. of credits**
Module- 1: Taking Charge	01
Module- 2: At Work and Play	01
Module- 3: Making and keeping friends	01
Module- 4: Love and Commitment	01

v. Equivalence

Old Paper	New Paper
APPLIED PSYCHOLOGY	**APPLIED PSYCHOLOGY**

viii. Recommended reading

Recommended Reading:

a) Book for Study:

Kirsh, S.J., Duffy, K.G., & Atwater, E. (2015). *Psychology for Living- Adjustment, Growth, and Behavior Today*. (11th ed.). Noida (UP) :Pearson India Education Services Pvt. Ltd.

b) Books for Reference:

1. Atwater, E. (1994). Psychology for Living (5th ed.). New Delhi: Prentice-Hall of India Private Ltd.
2. Barve, B. N. (1998). Jivanmanache Manasshastra. Jalana: Sankalp Pub.
3. Weiten, W. & Margaret, A.L. (1994). *Psychology Applied to Modern Life* (7th ed.).Singapore: Thomson Asia Pvt. Ltd.

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SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2019 onwards)

Semester IV

APPLIED PSYCHOLOGY (Paper VI)

Module I: Taking Charge

1.1 Personal Control

A. Explaining Perceived Control

B. The Benefits of Perceived Control

C. Misperception and Maladjustment

D. Learned Optimism

E. Defensive Pessimism

1.2 Decision Making

A. The Process of Decision Making

B. Critical Elements in Decision Making

C. Post-Decision Regret

D. Making Better Decisions

1.3 Decisions and Personal Growth

A. Making New Decisions

B. Some practical Applications

Module II: At Work and Play

2.1 At Work

A. Taking Stalk of Yourself

B. Identifying Compatible Careers

C. Arriving at Your Career Decision

D. Landing a Job

E. Changing Jobs or Careers

F. Work Issues Related to Culture and Gender

2.2 At Play

A. What is Leisure?

B. Using Leisure Positively

C. Leisure across Adulthood

Module III: Making and keeping friends

3.1 Meeting People

A. Are First Impressions Most Important?

B. Factors that Influence First Impressions

C. Mistaken Impressions

3.2 Keeping Friends

A. When Friends Get Together?

B. Self-disclosure – Those Little Secrets

C. Gender Differences in Friendship

D. Staying Friends

3.3 When It's Hard to Make Friends?

A. Shyness

B. Loneliness

Module IV: Love and Commitment

4.1 Love is a Many Splendored (and Defined) Thing

A. The Many Definitions of Love

B. Love and Friendship

C. Love and Attachment

4.2 Finding Love

A. Online Dating

B. The importance of Self-disclosure

4.3 Marriage and Other Committed Relationships

A. Cohabitation

B. Marriage

4.4 Adjusting to Intimate Relationships

A. Attitude adjustment

B. Sharing Responsibilities

C. Communication and Conflict

D. Making the Relationship Better

E. Sexuality

Nature of Question Paper for B. A. II Psychology (Paper III to VI)

(Semester III and IV) (Per Paper Total Marks = 50)

Q.1. Multiple Choice Questions-(10 questions with 4 alternatives) 10 marks

Q.2.Short notes (any four out of six) 20 marks

Q.3. A) Broad Question 10 marks

OR

B) Broad Question 10 marks

Q.4. A) Broad Question 10 marks

OR

B) Broad Question 10 marks

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Accredited By NAAC with 'A' Grade
Revised Syllabus For
B.A. Part-III

Psychology

Syllabus to be implemented from
June, 2020 onwards.

Shivaji University, Kolhapur
New/Revised Syllabus (CBCS)
For
Bachelor of Arts
(B.A. Part- III)
Semester –V
Paper- VII to XI

1. TITLE: Subject Psychology
Optional under the Faculty of Humanities

2. YEAR OF IMPLEMENTATION: - New/Revised Syllabus (CBCS) will be implemented from June, 2020 onwards.

3. PREAMBLE:-
The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/: (As applicable to the Degree /Subject- Paper concerned)
1) To make students familiar with the field of cognitive psychology.
2) To make aware students with the field of Cross cultural psychology.
3) To make students familiar with the various psychological disorders.
4) To acquaint the students with Current Trends in Psychology.
5) To make students familiar with experiments and statistical methods.

5. DURATION
- The course shall be a full time course.
- The duration of course shall be of Three years.

6. PATTERN:-
Pattern of Examination will be Semester.

7. FEE STRUCTURE: - (as applicable to regular/self supporting course) As per Government / University rules/norms.

8. ELIGIBILITY FOR ADMISSION:-
As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (As applicable to the course/programme concerned.)

10. INTERNAL ASSESSMENT

Per paper there will be internal assessment for ten marks. Each student has to submit seminar/ research paper/ case study / field visit report/ survey report/ pannel discussion / Review of books, movies, websites etc.

11. STRUCTURE OF COURSE:

(Note –The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

THIRD YEAR SEMESTER V (NO.OF PAPERS 05)

Sr. No.	Course	Course Code	Theory Marks	Practical Marks	Internal Marks	Total Marks
1	**Cognitive Psychology**	**DSE – E –86**	40	--	10	50
2	**Cross Cultural Psychology**	**DSE – E –87**	40	--	10	50
3	**Psychopathology**	**DSE – E –88**	40	--	10	50
4	**Current Trends in Psychology**	**DSE – E –89**	40	--	10	50
5	**Practical: Experiments**	**DSE – E –90**	--	40	10	50
	Total		160	40	50	250

12. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

THIRD YEAR / SEMESTER – V Scheme of Teaching and Examination

Sr. No.	Course	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)			
		L	T	P	Total	Theory	Practical	Term Work	Total
1	**Cognitive Psychology**	4			4	40	---	10	50
2	**Cross cultural Psychology**	4			4	40	---	10	50
3	**Psychopathology**	4			4	40	---	10	50
4	**Current Trends in Psychology**	4			4	40	---	10	50
5	**Practical: Experiments**	-		8*	8*	--	40	10	50
	Total	16	-	8*	24	160	40	50	250

***Two practical of four periods each per week per batch consisting of 10 students.**

SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term.
- The Theory/Practical paper shall carry 40 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper of Theory will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

STANDARD OF PASSING:-

As Prescribed under rules & regulation for each degree/ programme.

NATURE OF QUESTION PAPER AND SCHEME OF MARKING (Theory):- Total Marks: 40

Que.1. Multiple Choice Questions **5 marks**
Que.2. Short Notes (Any three out of five) **15 marks**
Que.3. A) Essay Type Questions **10 marks**
Or
B) Essay Type Questions
Que.4. A) Essay Type Questions **10 marks**
Or
B) Essay Type Questions

EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Old Course	New Course
Cognitive Psychology	Introduction to Cognitive Psychology
Social Psychology	Cross cultural Psychology
Psychopathology	Introduction to Psychopathology
Educational Psychology	Current Trends in Psychology
Practical: Experiments	Practical: Experiments

REVISED SYLLABUS FOR
B.A. (Part - III)
Choice Based Credit System
(Introduced from June, 2020 onwards)
SEMESTER-V Course Code: DSE – E –86

(i) Paper VII

(ii) Title of Paper : Introduction to Cognitive Psychology

(iii) Learning Objectives: This paper has four main learning objectives. Upon successful completion of the course students should:

1. Gain an understanding of key concepts and research techniques in cognitive psychology.
2. Gain an understanding of the basic processes of sensation attention and perception.
3. Gain an understanding of the memory processes.
4. Be able to broadening the horizons of cognitive psychology.

(iv)

Module	**No. of Credits**
Module 1: Approaches to Human Cognition	01
Module 2: Visual Perception and Attention	01
Module 3: Memory	01
Module 4: Broadening Horizons	01

(v) Recommended Reading:

a) Basic Reading:

Eysenck, M., & Keane, M. (2015). *Cognitive Psychology A Student's Handbook* (7th Ed.). New York: Psychology Press, (Taylor and Francis)

b) References:

Galotti, Kathleen M. (1999). "Cognitive Psychology In and Out of the Laboratory", Second Edition, New York: Books / Cole, Wadsworth. (3rd Reprint, 2004).

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B.A. (Part - III)
Choice Based Credit System

(Introduced from June, 2020 onwards)
SEMESTER-V Course Code: DSE – E –86
PAPER -VII: INTRODUCTION TO COGNITIVE PSYCHOLOGY

Module 1: Approaches to Human Cognition

Introduction
Cognitive Psychology and Cognitive Neuropsychology
The Cognitive Neuroscience: The Brain in Action
Computational Cognitive Science
Comparison of Major Approaches

Module 2: Visual Perception and Attention

Basic Process in Visual Perception
- a) Vision and the Brain
- b) Two Visual Systems: Perception and Actions
- c) Depth Perception

Object and Face Recognition
- a) Pattern Recognition
- b) Perceptual Organization
- c) Approaches to Object Recognition

Perception Motion and Action
- a) Direct Perception
- b) Perception of Human Motion
- c) Change Blindness

Attention and Performance
- a) Focused Auditory Attention
- b) Focused Visual Attention
- c) Divided Attention: Dual Task Performance

Module 3: Memory

Learning Memory
- a) Architecture of Memory
- b) Working Memory and Working Memory Capacity
- c) Levels of Processing and Learning through Retrieval

Long Term Memory System
- a) Declarative Memory and Non-declarative Memory
- b) Episodic Memory and Semantic Memory

Everyday Memory

a) Autobiographical Memory: Introduction

b) Memories across the Lifetime

c) Theoretical Approaches to Autobiographical Memory

d) Eyewitness Testimony and Enhancing Eyewitness Memory

Module 4: Broadening Horizons

Cognition and Emotions

a) Appraisal Theories

b) Emotion Regulation

c) Affect and Cognition: Attention and Memory

d) Cognitive Bias Modification

Consciousness

a) Functions of Consciousness

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

SHIVAJI UNIVERSITY, KOLHAPUR

B.A. (PART- III)

Choice Based Credit System

(Implemented from June, 2020 Onwards)

Semester – V Course Code: DSE – E –87

i. Paper VIII

ii. Title of paper : CROSS-CULTURAL PSYCHOLOGY

iii. Specific Objectives :

1. To acquaint students with emerging field of Cross-Cultural Psychology
2. To make students aware of global v/s relativistic approaches to study human behavior
3. To sensitize students recognize cultural aspects of individual development and socialization
4. To understand socio-cultural influences in development of abnormality and its treatment
5. To introduce the importance of multiculturalism in globalized world
6. To enhance understanding of indigenous psychologies

iv. Module	**No. of credits**
Module- 1: Introduction to Cross-cultural Psychology and key concepts	01
Module- 2: Ethics, Emics, Ethnocentrism and Indigenous Psychology	01
Module- 3: Culture and Intelligence, Prejudice and Parental Practices	01
Module- 4: Culture and Abnormality	01

v. Recommended reading

a) Basic Reading:

Stevenson, Andrew (2010): Cultural Issues in Psychology: A Student's Handbook; Routledge Publication, Taylor and Francis Group (Psychology Press), USA; First edition; 2010(ISBN: 978–0–415–42922–1; ISBN: 978–0–415–42923–8)

b) References:

Breugelmans S. M., Fons A. C., Van De Vijver J. R. (2011). Fundamental Questions in Cross-Cultural Psychology; Cambridge University Press; 2011 (ISBN: 9780521757515, 0521757517)

Shiraev E. and Levy D. (2013). Cross-Cultural Psychology: Critical thinking and contemporary applications; Routledge Pub., USA; Fifth edition; 2013 (ISBN: 9780205253234)

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B.A. (PART- III)

Choice Based Credit System

(Implemented from June, 2020 Onwards)

Semester - V Course Code: DSE – E –87

PAPER -VIII: CROSS-CULTURAL PSYCHOLOGY

MODULE 1: Introduction to Cross-cultural Psychology and key concepts

Charles Darwin and the age-old search for cultural universals

Introducing cross-cultural psychology

Later trends: Cross-cultural psychology or cultural psychology?

What do we talk about when we talk about culture? - Dual influence,

Limitations of eco-cultural model

The dynamic process of cultural transmission

Culture and individual levels of analysis and the reliability of culture-level analyses

MODULE 2: Ethics, Emics, Ethnocentrism and Indigenous Psychology

Where is psychology?

a. Whereabouts of the written word in psychology

b. Where about of psychology's practitioners

a. Ethics, Emics and ethnocentrism in psychological research

b. Limitations of Ethic-Emic Model

a. Beyond ethnocentrism: Indigenous psychologies

b. Indigenous psychology in the developing world

Indigenous methods

a. Complimentary with mainstream

b. Limitations of indigenous psychology movement

MODULE 3: Culture and Intelligence, Prejudice and Parental Practices

Culture and intelligence

a. What is intelligence?

b. The 'nature' of intelligence: the heritability hypothesis

c. The 'nurture' of intelligence: the environmental–cultural hypothesis

d. Can intelligence tests be culture-fair?

e. Indigenous intelligence

f. Everyday intelligence and cognition

Culture and prejudice

a. Social psychological theories on the origins of prejudice

b. Global support for theories of prejudice: Minimal groups, Contact, Social dominance, realistic conflict

Culture and parenting practices

a. Cultural variations in parenting: bedtime, playtime, doing as you're told

b. Cultural commonalities in parenting

c. Culturally diverse parental styles and ethno theories

d. Parenting is a two-way street: the role of temperament

MODULE 4: Culture and Abnormality

a. Culture, abnormality and psychopathology

b. The debate between Universalists and relativists

a. Universalism, relativism and Schizophrenia

b. Universalism, relativism and culture-bound syndromes

C. Limitations of culture-bound syndrome research

Culture, psychotherapy and healing

a. Factors influencing the effectiveness of psychotherapy across cultures

1. Conceptual factors: ideas about health and illness

2. Interpersonal factors: at the client–therapist interface

3. Material factors: access to treatment

b. Possession trance: a religious psychotherapy; therapy or pathology?

c. Indigenous therapies from around world

Recent developments in culture and psychotherapy: Multiculturalism, globalization and healing

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October 2020 and April 2021 for the benefit of repeater students.)

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(Introduced From June, 2020 onwards)

Semester – V Course Code: DSE – E –88

i) Paper No. IX

ii) Title of Paper : INTRODUCTION TO PSYCHOPATHOLOGY

iii) Specific Objectives :

1) To make the students familiar with the field of Psychopathology.
2) To acquaint students with various perspectives of Psychopathology.
3) To make the students understand Anxiety and Obsessive Compulsive Disorder.
4) To acquaint students with Mood Disorders and Suicide.

iv) Module	**No. of Credits**
Module - 1: Psychopathology: An Overview	01
Module - 2: Perspectives of Psychopathology	01
Module - 3: Anxiety and Obsessive-Compulsive Disorder	01
Module - 4: Mood Disorders and Suicide	01

v) Recommended Reading:

a) Book for Study:

Butcher, J. N., Hooley, J. M. and Mineka, S. (2018). Abnormal Psychology. 17th edition, Pearson Education Inc.

b) Books for Reference:

Butcher, J. N., Hooley, J. M. and Mineka, S. (2018). Abnormal Psychology. 16th edition, Pearson Education Inc.

Carson, R. C., Butcher, J. N. and Mineka, S. (1996). Abnormal Psychology and Modern Life. 10th edition, New York: Harper Collins

Comer, R. J. (2013). Abnormal Psychology. 8th edition, New York: worth Publishers.

Sarason, I. G. And Sarason, B. R. (2009). Abnormal Psychology: The Problem of Maladaptive Behaviour. 11th edition, Delhi : Pearson Education (Singapore) Pvt. Ltd., (First Impression – 2007)

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(Introduced From June, 2020 onwards)

PAPER- IX: INTRODUCTION TO PSYCHOPATHOLOGY
DSE – E 88

Module 1: Psychopathology: An Overview

- Indicators of Abnormality
  - A) Subjective Distress
  - B) Maladaptiveness
  - C) Statistical deviancy
  - D) Violation of the Standards of Society
  - E) Social Discomfort
  - F) Irrationality and Unpredictability
  - G) Dangerousness
- The DSM – 5 and the Definition of Mental Disorder
- Classification and Diagnosis
  - A) Advantages and Disadvantages of Classification
  - B) How can we reduce prejudicial attitudes toward people who are mentally ill
- How common are Mental Disorders
  - A) Prevalence and Incidence
  - B) Prevalence estimates for Mental Disorders
  - C) The Global burden of disease
  - D) Treatment
  - E) Mental Health Professionals

Module 2: Perspectives of Psychopathology

- The Biological Perspective
  - A) Genetic Vulnerabilities
  - B) Brain Dysfunction and Neural Plasticity
  - C) Imbalances of Neurotransmitters and Hormones
  - D) Temperament
- The Freud's Psychoanalytic Perspective
  - A) The Structure of Personality
  - B) Defense Mechanisms
  - C) Psychosexual Stages of Development
  - D) The Oedipus complex and the Electra complex
- The Behavioural Perspective
  - A) Classical Conditioning
  - B) Operant Conditioning

C) Generalization and Discrimination
D) Observational Learning

- The Social Perspective
  A) Early Deprivation or Trauma
  B) Problems in Parenting Style
  C) Marital Discord and Divorce
  D) Low Socio-economic Status and Unemployment

Module 3: Anxiety and Obsessive-Compulsive Disorder

Anxiety Disorders
  A) Specific Phobia
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments
  B) Social Phobia
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments
  C) Agoraphobia (Panic Disorder)
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments
  D) Generalized Anxiety Disorder
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments

Obsessive-Compulsive Related Disorder
  A) Obsessive-Compulsive Disorder
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments
  B) Body Dysmorphic Disorder
    i) Prevalence, Age of Onset and Gender Differences
    ii) Causal Factors
    iii) Treatments

Module 4: Mood Disorders and Suicide

- Unipolar Depressive Disorders
  A) Major Depressive Disorder
  B) Persistent Depressive Disorder
  C) Causal Factors
    i) Biological Causal Factors
    ii) Psychological Causal Factors

- Bipolar and Related Disorders
    - A) Cyclothymic Disorder
    - B) Bipolar Disorders (I and II)
    - C) Causal Factors
        - i) Biological Causal Factors
        - ii) Psychological Causal Factors
- Treatments of Mood Disorders
    - A) Pharmacotherapy
    - B) Alternative Biological Treatments
    - C) Psychotherapy
- Suicide
    - A) Psychological Disorder
    - B) Factors Associated with Suicide
    - C) Theoretical Models of Suicidal Behaviour
    - D) Suicide Prevention and Intervention

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October 2020 and April 2021 for the benefit of repeater students.)

SHIVAJI UNIVERSITY, KOLHAPUR

B.A. (PART III)

(Implemented From June, 2020 Onwards)

SEMESTER- V Course Code: DSE – E –89

i. Paper X

ii. Title of paper : CURRENT TRENDS IN PSYCHOLOGY

iii. Specific Objectives :

1. To acquaint students with emerging new trends in Psychology
2. To make students aware of health risk behaviour and their causes
3. To sensitize students recognize developmental factors related to criminal behaviour
4. To understand psychological, family and social influences in development of criminality
5. To introduce work carried out in the field of cyber psychology
6. To learn about psychological processes behind digital Usage, cyber bullying, gaming and gambling
7. To make students aware of online crimes such as scams, fraud, illegal downloads etc.

iv.	**Module**	**No. of credits**
	Module- 1: Health Psychology	01
	Module- 2: Criminal Psychology	01
	Module- 3: Cyber Psychology - I	01
	Module- 4: Cyber Psychology - II:	01

v. Recommended reading

a) Basic Reading:

Bartol, Curt R. and Bartol Anne M. (2017): Criminal Behavior: A Psychological Approach; Pearson Education, Inc., US; Eleventh Edition, 2017 (ISBN-13: 978-1-292-15771-9, ISBN-10: 1-292-15771-2) **(For Module II)**

Morrison Val and Bennett Paul (2016): An Introduction to Health Psychology; Pearson Education Limited; Fourth edition, 2016(ISBN: 978-1-292-00313-9; ISBN: 978-1-292-00314-6; ISBN: 978-1-292-12944-0) **(For Module I)**

Whitty, Monica Therese and Young, Garry (2017). Cyber Psychology: The Study of Individuals, Society and Digital Technologies; British Psychological Society and John Wiley & Sons, Ltd.; First Edition; 2017(ISBN 9780470975626; ISBN 9781118321126) **(For Module- III and IV)**

b) References:

Connolly Irene, Palmer Marion, Barton Hannah, Kirwanitle Grainne (Ed.) (2016). An Introduction to Cyber Psychology; Routledge Pub; First Edition; 2016 (ISBN: 131758452X, 9781317584520)

Durrant, Russil (2018). An Introduction to Criminal Psychology; Routledge Taylor & Francis Pub., London; Second Edition, 2018 (ISBN: 978-1-138-65095-4; ISBN: 978-1-138-65096-1; ISBN: 978-1-315-62504-1)

Ogden J. (2012): Health Psychology - A Textbook; McGraw Hill Open University Press; Fifth edition; 2012 (ISBN 13:978 0 335 243839; ISBN 10: 0 335 243835)

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B.A. (PART III)
Choice Based Credit System
(Implemented from June, 2020 Onwards)
SEMESTER V Course Code: DSE – E –89
PAPER X: CURRENT TRENDS IN PSYCHOLOGY

MODULE 1: Health Psychology: Health-Risk Behavior

What is Health Behavior?

Smoking, Drinking and Illicit Drug Use

Unprotected Sexual Behavior

Obesity

MODULE 2: Criminal Psychology: Origins of Criminal Behavior and Developmental Risk Factors

Social Risk Factors:

a. Peer Rejection and Association with Antisocial Peers

Parental and Family Risk Factors

a. Parental Styles and Practices

c. Parental Monitoring

d. Parental Psychopathology

Psychological Risk Factors

a. Lack of Attachment

b. Lack of Empathy

c. Attention Deficit Hyperactivity Disorder and ADHD - Criminal Behavior link

d. Conduct Disorder

e. Oppositional Defiant Disorder

MODULE 3: Cyber Psychology - I: Digital Usage, Cyber bullying, Gaming and Gambling

Children's and teens' use of digital technologies

a. Internet usage

b. Digital technologies: Harmful or empowering for young people?

c. Illegal content and illegal activities

a. Cyber bullying and cyber-harassment

b. Scams, Children and Teens

a. Activism

b. Radicalization

Online Gaming and Gambling

a. Internet addiction
b. Internet Gaming addiction
c. Aggressive video games
d. Games for learning

MODULE 4: Cyber Psychology - II: Online Crimes (Scams, Fraud and Illegal Downloads)

a. Phishing and Vishing

b. Why are people tricked by phishing?

Mass-Marketing Fraud

a. Cognitive and Motivational Errors

b. What type of person tends to be susceptible to Mass-Marketing Fraud (MMF)?

Stages involved in the online dating romance scam

Illegal downloads

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

SCHEME OF PRACTICAL EXAMINATION:-

The practical examination shall be conducted at the end of each semester/term.

- The practical shall carry 40 marks.
- There shall be Two Practical's of 4 Periods each per week, per batch consisting of 10 students (Total workload for practical will be 8 periods per week, per batch).
- Practical examination incorporates experiments, and statistical problems.
- The evaluation of the performance of the students in practical shall be on the basis of Semester Examination of 40 marks.
- Experiments and statistical problems should be set for semester – V
- In the semester practical examination, the candidate has to conduct one experiment allotted to him / her and solve one statistical problem.
- The candidate has to bring his / her own subject for practical examination.

STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree / programme.

NATURE OF QUESTION PAPER

The candidate will be asked to conduct one experiment allotted to him / her and to write its full report.

The candidate in a practical batch will have to solve one statistical problem.

As a different statistical problem has to be set, separate question paper will be set for each batch of each practical.

SCHEME OF MARKING

1. Journal	: 10 Marks
2. Statistical Problem	: 10 Marks
3. Conduct	: 07 Marks
4. Report Writing	: 08 Marks
5. Oral (Experiment)	: 05 Marks
TOTAL	**: 40 Marks**

NOTE:

1. There shall be Two Practical's of 4 Periods each per week, per batch consisting of 10 students (Total workload for practical will be 8 periods per week, per batch).
2. Six experiments should be conducted from the list given for Semester V.
3. The student has to submit a journal duly signed by the course teacher and the head of the department before practical examination.
4. During the academic year students are expected to visit any social or industrial organization such as Remand Home, Old Age Home, Special Schools, Mental Hospital, Industry, Rehabilitation & Counseling centers etc.

SHIVAJI UNIVERSITY, KOLHAPUR
REVISED SYLLABUS FOR B.A. (Part III)
(Introduced from June, 2015 onwards)
SEMESTER-V Course Code: DSE – E –90

(i) Paper XI

(ii) Title of Paper : PRACTICAL-EXPERIMENTS

(iii) Specific Objectives:

1) To make the students familiar with Psychological experiments.
2) To impart the knowledge and skills for conducting experiments and writing their reports.
3) To make the students familiar with some statistical methods.
4) To provide Practical experience through IT Soft ware's (e.g. Coglab etc.)

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(iv) Recommended Reading:

a) Basic Reading:

Anastasi, Anne and Urbina, Susana, (1997). Psychological Testing, Seventh Edition(2003), New Delhi: Prentice-Hall of India Pvt. Ltd.,

Kothurkar, and Vanarase (1986). Experimental Psychology: A Systematic Introduction, New Delhi: Wiley Eastern Ltd.

Mangal, S.K. (2010). Statistics in Psychology and Education, 2nd edition, New Delhi: Prentice-Hall of India Pvt. Ltd.,

Postman, L. and Egan J. P. (1949). Experimental Psychology: An Introduction, New Delhi: Kalyani Publishers.

b) References:

Barve, B.N. (2007). Shaikshanik Manasashastriy Sankhyashastra, Nagpur: Vidya Prakashan

Desai, Bharat ani Abhyankar, Shobhana (2001): Manasashastriya Mapana, Pune: Narendra Prakashan.

Narake, H.J. ani Barve, B. (1999). Manomapan va Sankhyashastra, Aurangabad: Prerana Agencies.

Vanarase, S.; Gogate, S. ani Vanarase, Shyamala (1976). Manasashastriya Prayog Pune: Vinus Prakashan.

SHIVAJI UNIVERSITY, KOLHAPUR
B. A. PART – III
(Implemented from June, 2020 onwards)
SEMESTER –V Course Code: DSE – E –90
PAPER –XI: PRACTICAL (EXPERIMENTS)

1. Span of Attention
2. Division of Attention
3. Reaction Time
4. Serial Position Effect in Learning
5. Recall and recognition
6. Effect of Meaningfulness on Learning
7. Transfer of Training
8. Habit Interference
9. Massed Vs. Distributed Method of Learning
10. Short Term Memory
11 Problem Solving
12. Maze Learning
13. Change Blindness
14. Depth Perception

• Statistical Problems

Measures of Central Tendency

A) Mean (Short method)

B) Standard Deviation

Shivaji University, Kolhapur

New/Revised Syllabus CBCS)

For

Bachelor of Arts

(B.A. Part - III)

Paper- XII to XVI

Sem.VI

1. **TITLE: Subject Psychology**
   Optional under the Faculty of Humanities

2. **YEAR OF IMPLEMENTATION**: - New/Revised Syllabus will be implemented from June, 2020 onwards.

3. **PREAMBLE:-**

The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.

4. **GENERAL OBJECTIVES OF THE COURSE/ PAPER/: (As applicable to the Degree /Subject- Paper concerned)**

1) To make students familiar with the field of Psychological Testing.
2) To make aware students with the field of Counseling Psychology.
3) To make students familiar with the various Developmental Psychology.
4) To acquaint the students with Psychology of Organizational Behavior.
5) To make students familiar with Psychological tests and statistical methods.

5. **DURATION**

- **The course shall be a full time course.**
- **The duration of course shall be of Three years.**

6. **PATTERN:-**

Pattern of Examination will be Semester.

7. **FEE STRUCTURE: - (as applicable to regular/self supporting course) As per Government / University rules/norms.**

8. **ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English or Marathi. (As applicable to the course/programme concerned.)

10. INTERNAL ASSESSMENT

Per paper there will be internal assessment for ten marks. Each student has to submit seminar/ research paper/ case study / field visit report/ survey report/ pannel discussion / Review of books, movies, websites etc.

11. STRUCTURE OF COURSE-

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.

THIRD YEAR SEMESTER VI (NO.OF PAPERS 05)

Sr. No.	Course	Course Code	Theory Marks	Practical Marks	Internal Marks	Total Marks
1	Psychological Testing	DSE – E –211	40	--	10	50
2	Counselling Psychology	DSE – E –212	40	--	10	50
3	Developmental Psychology	DSE – E –213	40	--	10	50
4	Psychology of Orgazational Behaviour	DSE – E –214	40	--	10	50
5	Practical: Psychological Tests	DSE – E –215	--	40	10	50
	Total		160	40	50	250

12. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

THIRD YEAR / SEMESTER – VI Scheme of Teaching and Examination

Sr. No.	Course	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)			
		L	T	P	Total	Theory	Practical	Term Work	Total
1	Psychological Testing	4			4	40	--	10	50
2	Counselling Psychology	4			4	40	--	10	50
3	Developmental Psychology	4			4	40	--	10	50
4	Psychology of Organizational Behaviour	4			4	40	--	10	50
5	Practical: Psychological Tests	-		8*	8*	---	40	10	50
	Total	16	-	8*	24	160	40	50	250

***Two practical of four periods each per week per batch consisting of 10 students.**

SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term.
- The Theory/Practical paper shall carry 40 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper of Theory will be set in the view of the /in accordance with the entire Syllabus and preferably covering each module of syllabi.

STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree / programme.

NATURE OF QUESTION PAPER AND SCHEME OF MARKING (Theory):

Que.1. Multiple Choice Questions	**5 marks**
Que.2. Short Notes (Any three out of five)	**15 marks**
Que.3. A) Essay Type Questions	**10 marks**
Or	
B) Essay Type Questions	
Que.4. A) Essay Type Questions	**10 marks**
Or	
B) Essay Type Questions	

EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

Old Course	New Course
Psychological Testing	**Psychological Testing**
Counselling Psychology	**Counselling Psychology**
Personal Psychology	**Developmental Psychology**
Psychology of Organizational Behaviour	**Psychology of Organizational Behaviour**
Practical: Psychological Tests	**Practical: Psychological Tests**

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

Semester-VI Course Code: DSE – E –211

i) Paper XII

ii) Title of the paper : PSYCHOLOGICAL TESTING

iii) Specific Objectives :

1) To make the students familiar with the field of psychological testing in general.
2) To acquaint the students with the nature, types, applications, reliability and
3) To make the students to understand the nature and other description of personality tests.

iv) Module	**No. of Credits**
Module 1: The nature and uses of psychological testing	01
Module 2: Reliability and Validity: Basic concepts	01
Module 3: Individual tests of Intelligence and Achievement	01
Module 4: Psychological Assessment and Personality Tests	01

V. Recommended reading

a) Book for Study:

Aiken, Lewis, R. (2009). Psychological Tests and Assessment. 12th Ed. Pearson Education.

Anastasi, Anne & Urbina, Susana (1997). Psychological Testing, Seventh Edition, New Delhi: Prentice- Hall of India Pvt. Ltd., (2003)

b) Books for Reference:

Gregory, Robert, J. (2014). Psychological Testing: History, Principals and Applications. Sixth Ed., Pearson Education.

Kaplan, Robert, M. & Saccuzzo, Dennis, P. (2005). Psychological Testing: Principles, Applications and Issues. 6th Ed., Canada: Wordsworth Cengage Learning.

Ronald, J. & Swerdik, Mark, E. (2010). Psychological Assessment: An Introduction to Tests and Measurement. 7th Ed., Special Indian Edition, New Delhi: McGraw Hill Education Pvt. Ltd.

Barve, B.N. & Narake, H.J. (2008). Manomapan, Nagpur: Vidya Prakashana.

Desai, B. & Abhyankar, Shobhana (2007). Manasashatriya Mapan, Pune: Narendra Prakashana.

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

PAPER- XII: Psychological Testing
DSE – E - 211

Module 1: The nature and uses of psychological testing

Definition of a test

Types of tests

Uses of testing

Influence of the Examiner

Module 2: Reliability and Validity: Basic concepts

Reliability

a) Meaning of Reliability

b) Types of Reliability

i. Test -Retest Reliability

ii. Alternate- Form Reliability

iii. Split-Half Reliability

iv. Scorer Reliability

Reliability of speeded test

Validity

a) Meaning of validity

b) Content-description Procedures

c) Criterion- Prediction Procedures

d) Construct- Identification Procedures

Module 3: Individual tests of Intelligence and Achievement

The Wechsler scales of Intelligence

The Wechsler subtests: Description and analysis

Stanford-Binet intelligence scales (SBIT): Fifth edition

Individual tests of Achievement

Module 4: Psychological Assessment and Personality tests

A) Personality tests-Expression Techniques

i) The draw- A - person test

ii) The house- tree - person test (H-T-P)

B) Projective Techniques

i) Rorchach Ink Blot Test

ii)Thematic Apperception Test

Assessment of normality

A) Sixteen Personality Factor Questionnaire (16 PF)

B) NEO personality inventory - revised (NEO-PI-R)

Measures of emotional Intelligence

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

Semester-VI Course Code: DSE – E –212

(i) Paper: XIII

(ii) Title of the paper: Counselling Psychology

(iii) Specific Objectives:

1. To make the students familiar with the field of Counselling Psychology.
2. To acquaint students with the applications of Counselling Psychology in the fields of Career, School, College Counselling and student-life services.

(iv) Module	**No. of Credits**
Module 1: Introduction and Professional Aspects of Counselling Psychology	01
Module 2: Career Counselling	01
Module 3: Professional School Counselling	01
Module 4: College Counselling and Student- life Services	01

V. Recommended reading

a) Book for Study:

Gladding. S.T.,and Batra Promila (2018). Counselling : A Comprehensive Profession. Eighth Edition. Third Impression, Pearson Education Inc.

(vi) Books for Reference:

David A. (2009). Guidance and Counselling. New Delhi: Commonwelth Publishers,

Gladding. S.T.(2014). Counseling : A Comprehensive Profession. Seventh Edition. First Impression, Pearson Education Inc.

Kinra Asha, (2008). Guidance and Counselling. Pearson India Education Services Pvt.Ltd.

Rao, N. (2007). Counselling and Guidance. New Delhi: Tata McGraw- Hill Publishing Company Limited,.

Reeves Andrew, (2013) An Introduction to Counselling and Psychotherapy. New Delhi: SAGE Publications India Pvt. Ltd.

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

PAPER- XIII: COUNSELLING PSYCHOLOGY
DSE – E - 212

MODULE 1. Introduction and Professional Aspects of Counselling

Introduction

A. Definition of Counselling

B. Guidance

C. Psychotherapy

Current Trends in 21st Century

A. Dealing with Violence, Trauma and Crises

B. The Challenge of Managed Care

C. Promoting Wellness

D. Concern for Social Justice and Advocacy

E. Greater Emphasis on Technology

Professional Aspects of Counselling

A. Inspection

B. Registration

C. Certification

D. Licensing

MODULE 2. Career Counseling

The Importance and Scope of Career Counselling

A. Important Aspects of Career Counselling

B. The Scope of Career Counseling and Careers

Career Development Theories and Counselling

A. Trait-and –Factor Theory

B. Developmental Theories

C. Social-Cognitive Career Theory

Career Counseling with Diverse Populations

A. Career Counselling with Children

B. Career Counselling with Adolescents

C. Career Counselling with College Students

MODULE 3. Professional School Counselling

The ASCA Model

A. The ASCA Model Areas

B. School Counselors at Various Levels

Elementary School Counselling

A. Emphases and Roles

B. Activities

C. Prevention

Middle School Counselling

A. Emphases and Roles

B. Activities

C. Prevention

Secondary School Counselling

A. Emphases and Roles

B. Activities

C. Prevention

MODULE: 4 College Counselling and Student-Life Services

The Beginning of Student-Life-Services and College Counselling

The Theoretical Bases and Professional Preparation for Working With College Students

A. Theoretical Bases

B. Professional Preparation

College Counseling

A. Emphases and Roles

B. Activities

Counselling and Student-Life Services with First-Year, Graduate Students And Nontraditional Students

A. First-Year Students

B. Graduate Students

C. Older Students

D. First-Generation Students

E. Student Athletes

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

Semester-VI Course Code: DSE – E –213

i. Paper XIV

ii. Title of paper : DEVELOPMENTAL PSYCHOLOGY

iii. Specific objectives:

1. To acquaint the students with processes of change and stability through about the life span development.
2. To introduce students the process of birth.
3. To acquaint the students with emotions, self - development of Infancy and intellectual development of childhood.
4. To recognize students with Identity, relationship and problems of Adolescents.
5. To introduce students with career, health and personality development of Adulthood.

iv. Module	**No. of Credits**
Module I: An Introduction to Lifespan Development	01
Module II: Infancy and Childhood	01
Module III: Adolescence	01
Module IV: Adulthood	01

V. Recommended reading

a) Book for Study:

Feldman Robert S. & Babu Nandita (2018). *Development Across the Lifespan* (8th edition) Noida (UP): Pearson India Education Services Pvt. ISBN 978-93-528-6576-5

b) Books for Reference:

Hurlock E. B. (2001). Developmental Psychology: A Life Span Approach, New Delhi: TMH Publishing Company Ltd.

Papalia, Diane E., and Olds Sally Wendkas (2002). Human Development, 7th edition, Second print, New Delhi: Tata McGraw Hill Publishing Co. Ltd.

Santrock, J. W. (2011). Life Span Development, Thirteenth edition, New Delhi: McGraw – Hill Education (India) Pvt. Ltd.

Borude, Kumthekar, Desai, Golvilkar (2013). Vaikasik Manasshatra, dusariaavrutti, Pune: Vidyarthi GruhaPrakashan.

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

PAPER- XIV: DEVELOPMENTAL PSYCHOLOGY
DSE – E- 213

Module 1: An Introduction to Lifespan Development

An orientation of life span development
A. Defining Lifespan Development
B. The scope of the field of lifespan development
Research Methods
A. Experiments: Determining Cause and Effect
B. Measuring Developmental Change
Earliest Development
A. Genes and Chromosomes: The Code of Life
B. Multiple Births: Two- or More- for the Genetic Price of life
C. Boy or Girl? Establishing the sex of the Child
Prenatal Growth and Change
A. Fertilization: The moment of Conception
B. The Stages of the Prenatal Period: The Onset of Development
C. Pregnancy Problems

Module 2: Infancy and Childhood

Developing the Roots of Sociability
A. Emotions in Infancy: Do Infants Experience Emotional Highs and Lows?
B. Stranger Anxiety and Separation Anxiety: It's Only Natural
C. Social Referencing: Feeling What Others Feel
Intellectual Development
A. Piagetian Approaches to Cognitive Development
B. Information Processing in Middle Childhood
C. Vygotsky's Approach to Cognitive Development
The Developing Self
A. Psychosocial Development in Middle Development
B. Self-esteem: Developing a Positive – or Negative – View of the Self

Module 3: Adolescence

Identity: Asking "Who Am I?"

A. Self –Concept and Self- Esteem
B. Identity Formation: Changes or Crisis?
C. Depression and Suicide : Psychological Difficulties in Adolescence

Relationships : Family and Friends

A. Family Ties : Changing Relations with Relations
B. Relationship with Peers : The Importance of Belonging

Dating and Sexual Behavior

A. Dating and sexual relationships in the twenty- first century.
B. Sexual Orientation : Heterosexuality, Homosexuality, Bisexuality, and Transsexualism

Module 4: Adulthood

Choosing a Career

A. Career Choices, Skill Development and Government Policies in India
B. Gender and Career Choices
C. Why Do People Work? More Than Earning a Living

Health

A. Wellness and Illness: The Ups and Downs of Middle Adulthood
B. Individual Variations in Health: Socioeconomic Status and Gender Difference

Personality Development

A. Two Perspectives on Adult Personality Development: Normative Crisis versus Life events
B. Erikson's Stage of Generatively versus Stagnation

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

Semester-VI Course Code: DSE – E –214

(i) Paper XV

(ii) Title of Paper : Organizational Behaviour

(iii) Learning Objectives: This paper has four main learning objectives. Upon successful completion of the course students should:

1. Gain an understanding of key concepts in organizational behaviour.
2. Gain an understanding of the idea of personality, job satisfaction and leadership.
3. Gain an understanding of the group processes.
4. Be able to understand the fundamental change processes of organization.

(iv)

Module	No. of Credits
Module 1: Organizational Behaviour (OB)	01
Module 2: The Individual	01
Module 3: Foundations of Group Behaviour	01
Module 4: Organizational Change	01

(v) Recommended Reading:

Robbins, S., Timothy A., Vohra, N. (2013). *Organizational Behavior* (15th Edition). Delhi: Pearson Education, Inc.

Shivaji University, Kolhapur
B.A. (III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

PAPER-XV: ORGANIZATIONAL BEHAVIOR
DSE – E- 214

Module 1: Organizational Behavior (OB)

Importance of Interpersonal Skills

What managers do?

A) Management functions and roles

B) Management skills

C) Effective versus successful managerial activities

Challenges and opportunities for OB

A) Responding to Globalization

B) Improving people skills

C) Stimulating innovation and change

D) Helping employees balance work-life conflicts

E) Creating a positive work environment

Module 2: The Individual

Personality

A) What is personality?

B) The Myer-Briggs Type indicator

C) The Big Five Personality Model

Attitudes and Job Satisfaction

A) What are the major Components of Attitudes?

B) What are the major job attitudes?

C) Measuring Job Satisfaction, How Satisfied are people in their Jobs? What Causes Job Satisfaction?

D) The Impact of Satisfied and Dissatisfied Employees on the Workplace?

Leadership

A) What is Leadership: Trait Theories?

B) Behavioral Theories

C) Contingency Theories.

D) Charismatic Leadership and Transformational Leadership

Module 3: Foundations of Group Behaviour

Defining and classifying groups

Stages of Group Development: Five-Stage model

Group properties

A) Roles and Norms

B) Cohesiveness and Diversity

Group Decision Making

A) Group versus Individual

B) Group Decision Making Techniques

Module 4: Organizational Change

Forces for Change and planned change

Resistance to change

Approaches to manage organizational change

A) Lewin's three-step model

B) Kotter's Eight-step plan for implementing change

Creating a culture for change

A) Stimulating a culture of innovation

B) Creating a learning organization

(Note: Question papers as per pre-revised syllabi will be set at the examination to be held in October, 2020 and April, 2021 for the benefit of repeater students.)

SCHEME OF PRACTICAL EXAMINATION:-

The practical examination shall be conducted at the end of each semester/term.

- The practical shall carry 40 marks.
- There shall be Two Practical of 4 Periods each per week, per batch consisting of 10 students (Total workload for practical will be 8 periods per week, per batch).
- Practical examination incorporates psychological tests, and statistical problems.
- The evaluation of the performance of the students in practical shall be on the basis of Semester Examination of 40 marks.
- Psychological tests and statistical problems should be set for semester -VI
- In the semester practical examination, the candidate has to administer one psychological test allotted to him / her and solve one statistical problem for Semester-VI
- The candidate has to bring his / her own testee/subject for practical examination.

STANDARD OF PASSING:

As Prescribed under rules & regulation for each degree / programme.

NATURE OF QUESTION PAPER

The candidate will be asked to administer one psychological test allotted to him / her and to write its full report.

The candidate in a practical batch will have to solve one statistical problem. As a different statistical problem has to be set, separate question paper will be set for each batch of each practical.

SCHEME OF MARKING

1. Journal	:	10 Marks
2. Statistical Problem	:	10 Marks
3. Conduct	:	07 Marks
4. Report Writing	:	08 Marks
5. Oral (Tests)	:	05 Marks
TOTAL	**:**	**40 Marks**

NOTE:

1. There shall be Two Practical of 4 Periods each per week, per batch consisting of 10 students (Total workload for practical will be 8 periods per week, per batch).
2. Six psychological tests should be conducted from the list given for Semester –VI.
3. The student has to submit a journal duly signed by the course teacher and the head of the department before practical examination.
4. During the academic year students are expected to visit any social or industrial organization such as Remand Home, Old Age Home, Special Schools, Mental Hospital, Industry, Rehabilitation & Counseling centers etc.

SHIVAJI UNIVERSITY, KOLHAPUR
B.A. (Part III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

SEMESTER-VI Course Code: DSE – E –215

PRACTICAL: PSYCHOLOGICAL TESTS

(i) Paper XVI

(ii) Title of Paper : PRACTICAL- PSYCHOLOGICAL TESTS

(iii) Specific Objectives :

1. To make the students familiar with Psychological tests.
2. To impart the knowledge and skills for administering psychological tests and writing their reports.
3. To make the students familiar with some statistical methods.
4. To provide Psychological experience Testing through IT Software (e.g. Coglab etc.)

(vi) Recommended Reading:

a) Basic Reading:

Anastasi, Anne and Urbina, Susana, (1997). Psychological Testing, Seventh Edition, New Delhi: Prentice-Hall of India Pvt. Ltd.

Garrette, H. E and Woodworth, R. S., (1981). Statistics in Psychology and Education, Tenth Edition Reprint, Bombay: Vakils and Siman Ltd.,

b) References:

Barlinge ani Latkar (2000). Upayojit Manasashatra, Nagpur: Shri Sainath Prakashan,

Barve, B.N. (2007). Shaikshanik Manasashastriy Sankhyashastra, Nagpur: Vidya Prakashan

Desai, B. and Abhyankar, S.C. (2001). Prarayogik Manasashastra ani Samshodhan Paddhati. Pune: Narendra Prakashan.

Desai, Bharat ani Abhyankar, Shobhana (2001). Manasashastriya Mapana, Pune: Narendra Prakashan.

Narake, Himmat ani Barve, Bapurao (1999). Manomapan va Sankhyashastra, Aurangabad: Prerana Agencies.

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B.A. (Part III)
Choice Based Credit System
(Introduced from June, 2020 onwards)

PAPER – XVI: PRACTICAL (PSYCHOLOGICAL TESTS)
DSE – E - 215

1. Interest Inventory
2. Attitude Scale
3. Anxiety Scale
4. Personality Inventory
5. Adjustment Inventory
6. Self-concept Test
7. Test of Intelligence
8. Achievement Test
9. Leadership Scale
10. Secularism Scale
11. Locus of Control Scale
12. Stress Scale
13. Aggression Scale
14. Superstition Scale
15. Women Freedom Scale
16. Attitude toward Sex
17. Social Change Scale
18. Stress Management Scale

• Statistical Problems

A) Pearson's product moment correlation (Calculations from actual scores)

B) Independent't' test

(Write the calculated values are significant at the 0.01 / 0.0 5 level or not)

SHIVAJI UNIVERSITY,

KOLHAPUR

Accredited by NAAC 'A++' Grade

CHOICE BASED CREDIT SYSTEM WITH

MULTIPLE ENTRY AND MULTIPLE EXIT OPTIONS IN THE UNDERGRADUATE DEGREE PROGRAMMES OF

PSYCHOLOGY

(Regulations in accordance with National Education Policy 2020 to be implemented from Academic Year 2022-23 onwards)

Shivaji University, Kolhapur
B.A. Part-I (Semester - I)
Paper –I Understanding Psychology
(Revised Syllabus to be implemented from June, 2022 onwards)

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i. Paper **: I**
ii. Title of paper **:** Understanding Psychology
iii) Specific Objectives **:**

1. To acquaint students with basic concepts of Psychology.
2. To make students aware with neuroscience and behavior.
3. To make students aware with motivation, various approaches of motivation and human needs.
4. To understand emotions, range and the roots of emotions.

iv. Module	**No. of credits**
Module- 1 Introduction to Psychology	01
Module-2 Neuroscience and Behavior	01
Module-3 Motivation	01
Module-4 Emotions	01

v. Equivalence

Old Paper	New Paper
Introduction to Psychology	Understanding Psychology

vi. Recommended Reading

a) Basic Reading

Feldman, R.S. (2019). Understanding Psychology, 12th Edition, Fourth reprint 2019, Chennai: McGraw Hill Education (India) Private Limited, ISBN-13:978-93-794-5, ISBN-10:93-5260-794-5

b) Books for reference

1. Ciccarelli, S. K & Meyer, G.E (2008). Psychology, (South Asian Edition). New Delhi: Pearson Longman
2. Feldman, R.S.(2016). Understanding Psychology, 10th Edition, Indian Edition, Ninth reprint, 2016, Chennai: McGraw Hill Education (India) Private Limited,ISBN-13:978-1-25-9003005-9, ISBN-10:1-25-900305-1

vii) Nature of Question Paper (Semester End Examination)

Total Marks =40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)
Q.2 Write short notes (any three out of five): (15 Marks)
Q.3 Answer the following questions.

a) Broad question. (10 Marks)
OR
b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)
OR
b) Broad question. (10 Marks)

VIII) CIE for 10 marks

Shivaji University, Kolhapur
B.A. Part-I (Semester - I)
Paper I Understanding Psychology
(Revised Syllabus to be implemented from June, 2022 onwards)

Module1: Introduction to Psychology

1.1 Definition of Psychology

1.2 Today's Perspectives

a) Psychodynamic Perspective

b) Behavioral Perspective

c) Cognitive Perspective

d) Humanistic Perspective

1.3 Conducting Psychological Research

a) Naturalistic Observation

b) Survey Research

c) Experimental Research-Experimental group and Controlled group, Independent and Dependent Variables, Random assignments of Participants

1.4 Psychology's Future

Module 2: -Neuroscience and Behavior

2.1 Neurons

a) The Structure of the Neuron

b) How Neurons fire?

c) Neurotransmitters

2.2 The Nervous System

a) Central and Peripheral Nervous Systems

b) Activating the Divisions of the Atomic Nervous System

2.3 The Endocrine System

2.4 The Brain

a) Studying the Brains Structure and Functions

b) The Limbic System

c) The Cerebral Cortex

Module 3: Motivation

3.1 Explaining Motivation

a) Drive Reduction Approaches

b) Arousal Approaches

c) Incentive Approaches

d) Cognitive Approaches

3.2 Maslow's Hierarchy

3.3 Human Needs and Motivation

a) The motivation behind hunger and eating

b) The need for Achievement

c) The need for Affiliation

d) The need for Power

Module4: Emotions

4.1 Understanding Emotional Experiences

a) The Functions of Emotion

4.2 Determining the Range of Emotion

4.3 The Roots of Emotions

a) The James-Lange Theory

b) The Cannon-Bard Theory

c) The Schachter-Singer Theory

d) Making sense of multiple perspectives on Emotion

Shivaji University, Kolhapur
B.A. Part-I (Semester - II)
Paper -II Basic Principles of Psychology
(Revised Syllabus to be implemented from June, 2022 onwards)

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i. Paper **: II**
ii.Title of paper **:**Basic Principles of Psychology
iii) Specific Objectives **:**

1. To make the students aware with learning, classical conditioning and operant conditioning.
2. To makes the students familiar with foundations of memory.
3. To understand personality, various approaches, and assessment techniques of personality.
4. To make students aware with intelligence, theories of intelligence, Emotional intelligence, mental retardation and intellectually gifted.

iv. Module	**No. of credits**
Module- 1 Learning	01
Module-2 Memory	01
Module-3 Personality	01
Module-4 Intelligence	01

v. Equivalence

Old Paper	New Paper
General Psychology	Basic Principles of Psychology

vi. Recommended Reading

c) Basic Reading

1. Feldman, R.S. (2019). Understanding Psychology, 12th Edition, Fourth reprint 2019, Chennai: McGraw Hill Education (India) Private Limited, ISBN-13:978-93-794-5, ISBN-10:93-5260-794-5
2. Kothurkar, and Vanarase (1986). Experimental Psychology: A Systematic Introduction, New Delhi: Wiley Eastern Ltd. (for module 1.1. &1.2)

d) Books for reference

1. Ciccarelli, S. K & Meyer, G.E (2008). Psychology, (South Asian Edition). New Delhi: Pearson Longman
2. Feldman, R.S. (2016). Understanding Psychology, 10th Edition, Indian Edition, Ninth reprint, 2016, Chennai: McGraw Hill Education (India) Private Limited, ISBN-13:978-1-25-9003005-9, ISBN-10:1-25-900305-1

vii) Nature of Question Paper (Semester End Examination)

Total Marks = 40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)
Q.2 Write short notes (any three out of five): (15 Marks)
Q.3 Answer the following questions.

a) Broad question. (10 Marks)

OR

b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)

OR

e) Broad question. (10 Marks)

VIII) CIE for 10 marks

Shivaji University, Kolhapur
B.A.: Part-I (Semester - II)
Paper -II Basic Principles of Psychology
(Revised Syllabus to be implemented from June, 2022 onwards)

Module 1 Learning

1.1 Definition of learning

1.2 Types of Learning

1.3 Classical Conditioning

a) The Basics of Classical Conditioning

b) Applying Conditioning Principles to Human Behavior

c) Extinction

d) Generalization and Discrimination

1.4 Operant Conditioning

a) Thorndike's Law of Effect

b) The Basics of Operant Conditioning

c) Reinforcement

d) Positive Reinforcers, Negative Reinforcers and Punishment

e) The Pro and Cons of Punishment

f) Shaping

Module 2 Memory

2.1 The Foundations of memory

a) Sensory Memory

b) Short-Term Memory

c) Working Memory

2.2 Long-Term Memory

a) Long-Term Memory Modules

b) Semantic Networks

c)The Neuroscience of Memory

2.3 Autobiographical Memory

Module 3 Personality

3.1 Definition of Personality

3.2 Psychodynamic Approaches to Personality

a) Freud's Psychoanalytic Theory

i) Structuring Personality

ii) Developing Personality

iii) Defense Mechanisms

3.3 Trait Approaches

a) Allport's Trait Theory

b) Cattell and Eysenck

c) Big Five Personality Traits

3.4 Assessing Personality

a) Self-report Measures of personality

b) Projective Methods

c) Behavioral Assessment

Module 4 Intelligence

4.1 What is intelligence?

4.2 Theories of Intelligence

a) Fluid and Crystallized Intelligence

b) Gardner's Multiple Intelligences

4.3 Practical and Emotional Intelligence

4.4. Assessing Intelligence - Binet and development of IQ tests

4.5 Mental Retardation

4.6 The Intellectually Gifted

Estd. 1962
"A++" Accredited by NAAC (2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Ref. No./SU/BOS/Humanities/541 Date :19/07/2023

To,
The Principal,
All Concerenced Affiliated Colleges/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. A. Part II (sem. III & IV) degree programme under the Faculty of Humanities as per National Education Policy, 2020 (NEP)

Sir/Madam,

With reference to the subject mentioned above I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi, equivalence and nature of question paper of B. A. Part II (Sem. III & IV) under the Faculty of Humanities as per National Education Policy, 2020. (NEP)

English (Comp.)	English (Opt.)	Linguistics (I.D.S.)	Sanskrit	Kannada
Business Administration	Marathi	Ardhamagadhi	Hindi	Urdu
S.P. & Comm. Corresp.	Sociology	Political Science	Psychology	Economics
Industrial Psychology	Geography	Human Development	Philosophy	History
Defence Study (Entire)				

This syllabi shall be implemented from the academic year 2023-24 onwards . A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

For students of Distance Education this syllabi be implemented from the academic yerar 2023-24.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully

Encl : As above

(Dr. S. M. Kubal)
Dy. Registrar

Copy to, For Information and necessary action.

Dean, Faculty of Humanities.	Computer Center/I. T. Cell.
Chairman, B.O.S./Ad-hoc oard under faculty of Humanities.	Eligibility Section.
Director, Board of Examinations & Evaluation	P. G. Seminar Section.
Appointment Section A & B	Distance Education Section.
B. A. Exam. Section.	Affiliation Section (T. 1 & T 2)
P. G. Admission Section.	

SHIVAJI UNIVERSITY, KOLHAPUR

Estd. 1962

"A^{++}" Accredited by NAAC (2021) With CGPA 3.52

Faculty of Humanities

CHOICE BASED CREDIT SYSTEM

Revised Syllabus in accordance with NEP, 2020

Syllabus for

B. A. Part II (Sem III & IV)

Psychology (Opt./Comp./I.D.S.)

(DSC/DSE/AECC)

(Revised Syllabus to be implemented from June, 2023 onwards)

B. A. Part- II (Semester- III & IV) Psychology Course Structure

From June 2023

Equivalence Table

B. A. Part- II (Sem- III)

Paper No.	**Paper title of Old Syllabus**	**Paper No.**	**Paper title of New Syllabus**
DSC- D 3 Paper No. III	Psychology for Living	DSC – III Paper No. III	Psychology for Living
DSC- D 4 Paper No. IV	Social Psychology	DSC – IV Paper No. IV	Social Psychology
IDS Paper – I	Foundations of Human Development	IDS – I	Foundations of Human Development
IDS Paper – I	Industrial Psychology	IDS – I	Industrial Psychology

B. A. Part- II (Sem- IV)

Paper No.	**Paper title of Old Syllabus**	**Paper No.**	**Paper title of New Syllabus**
DSC- D 31 Paper No. V	Modern social psychology	DSC – V Paper No. V	Modern social psychology
DSC- D 32 Paper No. VI	Applied psychology	DSC – VI Paper No. VI	Applied psychology
IDS Paper – II	Modern Human Development	IDS – II	Modern Human Development
IDS Paper – II	Industrial Psychology Organizational Psychology	IDS – II	Industrial Psychology Organizational Psychology

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)
Semester - III

i. Paper :III

ii. Title of paper : PSYCHOLOGY FOR LIVING

iii. Specific objectives:

1. To acquaint the students with processes of Psychology for living.
2. To introduce students the concept of Stress.
3. To acquaint the students with Understanding mental disorders.
4. To introduce students various Psychotherapies and their uses.

iv.

Module	No of hours	No. of credits
Module- 1: Towards Better Health	15	01
Module- 2: Stress	15	01
Module- 3: Understanding Mental Disorders	15	01
Module- 4: If You go for help	15	01

v. Equivalence

Old Paper	New Paper
PSYCHOLOGY FOR LIVING	PSYCHOLOGY FOR LIVING

vi. Recommended reading

a) Book for Study:

Kirsh, S.J., Duffy, K.G., & Atwater, E. (2015). *Psychology for Living- Adjustment, Growth, and Behavior Today*. (11th ed.). Noida (UP): Pearson India Education Services Pvt. Ltd.

b) Books for Reference:

c) Atwater, E. (1994). Psychology for Living (5th ed.). New Delhi: Prentice-Hall of India PrivateLtd.

d) Barve, B. N. (1998). Jivanmanache Manasshastra. Jalana: Sankalp Pub.

e) Weiten, W. & Margaret, A.L. (1994). *Psychology Applied to Modern Life*, (7th ed.). Singapore:Thomson Asia Pvt. Ltd.

vi) Nature of Question Paper (Semester End Examination) Total Marks = 40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)

Q.2 Write short notes (any three out of five): (15 Marks)

Q.3 Answer the following questions.

a) Broad question. (10 Marks)OR

b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)OR

e) Broad question. (10 Marks)

viii) CIE for 10 marks: Group Activity

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester – III

PSYCHOLOGY FOR LIVING (Paper III)

Module I: Towards Better Health

1.1 Body Image

A. How We Feel About Our Bodies?

B. Media and Body Image

C. Our Ideal Body

1.2 Health and the Mind-Body Relationship

A. The Immune System

B. Personality

C. Life Style Choices

D. Environmental Issues

1.3 Promoting Wellness

A. Taking Charge of Your Own Health

B. Eating Sensibly

C. Keeping physically fit

D. Finding Social Support

Module II: Stress

2.1 Understanding Stress

A. Conceptualizing Stress

B. Major Causes of Stress

C. Stress in College

2.2 Reactions to Stress

A. Physiological Stress Reactions

B. Psychological Stress Reactions

C. How Do You React to Stress?

2.3 Managing Stress

A. Modifying Your Environment

B. Altering Your Lifestyle

C. Using Stress for Personal Growth

Module III: Understanding Mental Disorders

3.1 Psychological Disorders

A. What are Psychological Disorders?

B. How Common Are Psychological Disorders?

C. Putting Mental Health in Perspective

3.2 Anxiety disorders

A. Generalized Anxiety Disorders

B. Panic Disorders

C. Phobias

D. Obsessive-Compulsive Disorder

3.3 Mood Disorders

A. Depressive Disorders

B. Bipolar Disorder

C. Suicide

Module 4: If You go for help

4.1 Psychotherapy

A. Gender differences in adulthood

B. Cultural Issues

C. Applying it to Yourself

4.2 Insight Therapies

A. Psychoanalysis

B. Person-centered Approach

4.3 Cognitive and Behavioural Therapies

A. Behavioural Therapies

B. Cognitive Therapies

C. Cognitive-Behavioural Therapy

Note: Question paper as per pre-revised syllabi will be set at the examination to be held in October, 2023 and April, 2024 for the benefit of repeater students.

SHIVAJI UNIVERSITY, KOLHAPUR
NEP – 2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)
Semester – III

i. **Paper** **IV**

ii. **Title of paper** **: SOCIAL PSYCHOLOGY**

iii. **Specific objectives:**

1. To acquaint the students with processes of Social Psychology
2. To introduce students the concept of Social Perception.
3. To acquaint the students with the Self and self-esteem.
4. To introduce students the concept of attitude formation, persuasion and cognitive dissonance.

iv.

Module	**No. of Hours**	**No. of credits**
Module- 1: Introduction to Social Psychology	15	01
Module- 2: Social Perception	15	01
Module- 3: The Self	15	01
Module- 4: Attitude	15	01

v. **Equivalence**

Old Paper	**New Paper**
SOCIAL PSYCHOLOGY	**SOCIAL PSYCHOLOGY**

vi. **Recommended reading**

a) Book for Study:

Branscombe, N. R., Baron, R. A. & Kapur, P. (2017). Social Psychology.(14th ed.), Noida (UP)

:Pearson India Education Services Pvt. Ltd., Second Impression 2018 .

b) Books for Reference:

1. Aronson, E., Wilson, T. D., Akert, R. M. & Sommers, S. R. (2015). Social Psychology, (9thed.), New Jersey: Pearson Education Prentice Hall.
2. Baron, R. A., & Branscombe, N. R. (2012). Social Psychology. (13th ed.). New Delhi:Pearson Education; Indian reprint 2014.
3. Mercer, J. & Clayton, D.(2014). Social Psychology, New Delhi: Dorling Kindersley India Pvt.Ltd.

vi) Nature of Question Paper (Semester End Examination) Total Marks = 40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)

Q.2 Write short notes (any three out of five): (15 Marks)

Q.3 Answer the following questions.

a) Broad question. (10 Marks)OR

b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)OR

e) Broad question. (10 Marks)

viii) CIE for 10 marks: Group Activity

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester – III

SOCIAL PSYCHOLOGY (Paper – IV)

Module 1. Introduction to Social Psychology

1.1 : Definition of Social Psychology:

A. Social Psychology Is Scientific in Nature

B. Social Psychology Focuses on the Behavior of Individuals

C. Social Psychology Seeks to Understand the Causes of Social Behavior

1.2: Social Psychology: Advances at the Boundaries

A. Cognition and Behavior

B. The Role of Emotion in the Social Side of Life

C. Social Relationships

1.3 : Research as the Route to Increased Knowledge

A. Systematic Observation

B. The Experimental Method

C. Correlational Method

Module 2. Social Perception

2.1 : Nonverbal Communication

A. Basic Channels of Nonverbal Communication

B. Nonverbal Cues in Social Life

C. Recognizing Deception

2.2: Attribution

A. Theories of Attribution

B. Basic Sources of Error in Attribution

C. Applications of Attribution Theory

2.3: Impression Formation and Management

A. Impression Formation

B. Impression Management

Module 3. The Self

3.1 : Self-Presentation

A. Self–Other Accuracy in Predicting Our Behavior

B. Self-Presentation Tactics

3.2 : Personal Identity versus Social Identity

A. Who I Think I Am Depends on the Social Context?

B. Who I Am Depends on Others' Treatment ?

3.3 : Self-Esteem

A. The Measurement of Self-Esteem

B. How Migration Affects Self-Esteem?

C. Do Women and Men Differ in Their Level of Self-Esteem?

Module 4. Attitude

4.1 : Attitude Formation

A. Classical Conditioning

B. Instrumental Conditioning

C. Observational Learning

4.2: The Science of Persuasion

A. Persuasion: Communicators, Messages, and Audiences

B. The Cognitive Processes Underlying Persuasion

4.3: Cognitive Dissonance

A. Dissonance and Attitude Change

B. Alternative Strategies for Resolving Dissonance

C. When Dissonance Is a Tool for Beneficial Changes in Behavior?

Note: Question paper as per pre-revised syllabi will be set at the examination to be held in October, 2023 and April, 2024 for the benefit of repeater students.

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester IV

i. Paper V

ii. Title of paper : MODERN SOCIAL PSYCHOLOGY

iii. Specific objectives:

1. To acquaint the students with processes of liking (attraction) and sources of liking.
2. To introduce students the concept of social influence, Conformity and Compliance.
3. To acquaint the students with Understanding Prosocial Behavior.
4. To introduce students the concept of Aggression, its causes and control.

iv.

Module	No of Hours	No. of credits
Module- 1: Liking (Attraction)	15	01
Module- 2: Social Influence	15	01
Module- 3: Prosocial Behavior	15	01
Module- 4: Aggression	15	01

v. Equivalence

Old Paper	New Paper
MODERN SOCIAL PSYCHOLOGY	MODERN SOCIAL PSYCHOLOGY

vii. Recommended reading

a) Book for Study:

Branscombe, N. R., Baron, R. A. & Kapur, P. (2017). Social Psychology.(14th ed.), Noida(UP) :Pearson India Education Services Pvt. Ltd., Second Impression 2018 .

b) Books for Reference:

1) Aronson, E., Wilson, T. D., Akert, R. M. & Sommers, S. R. (2015). Social Psychology, (9thed.), New Jersey: Pearson Education Prentice Hall.
2) Baron, R. A., & Branscombe, N. R. (2012). Social Psychology. (13th ed.). New Delhi:Pearson Education; Indian reprint 2014.
3) Mercer, J. & Clayton, D.(2014). Social Psychology, New Delhi: Dorling Kindersley India Pvt.Ltd.

vii) Nature of Question Paper (Semester End Examination) Total Marks = 40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)

Q.2 Write short notes (any three out of five): (15 Marks)

Q.3 Answer the following questions.

a) Broad question. (10 Marks)OR

b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)OR

e) Broad question. (10 Marks)

viii) CIE for 10 marks: Case study/ Oral examination

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester IV

MODERN SOCIAL PSYCHOLOGY (Paper V)

Module 1. Liking (Attraction)

1.1 : Internal Sources of Liking Others

A. The Importance of Affiliation in Human Existence

B. The Role of Affect

1.2: External Sources of Attraction

A. The Power of Proximity

B. Physical Beauty

1.3 : Sources of Liking Based on Social Interaction

A. Similarity

B. Reciprocal Liking or Disliking

C. Social Skills

D. Personality and Liking

Module 2. Social Influence

2.1 : Conformity

A. Social Pressure

B. How Social Norms Emerge

C. Factors Affecting Conformity

D. Social Foundations of Conformity

E. Reasons for Nonconformity

2.2: Compliance

A. The Underlying Principles of Compliance

B. Tactics Based on Friendship or Liking

C. Tactics Based on Commitment or Consistency

D. Tactics Based on Reciprocity

Module 3. Prosocial Behavior

3.1 : Why People Help?

A. Empathy-Altruism

B. Negative-State Relief

C. Empathic Joy

3.2 : Factors That Increase or Decrease the Tendency to Help

A. Factors That Increase Prosocial Behavior

B. Factors That Reduce Helping

3.3 : Crowd funding: A New Type of Prosocial Behavior

A. Emotion and Prosocial Behavior

B. Gender and Prosocial Behavior

3.4 : Final Thoughts: Are Prosocial Behavior and Aggression Opposites?

Module 4. Aggression

4.1 : Perspectives on Aggression

A. The Role of Biological Factors

B. Drive Theories

C. Modern Theories of Aggression

4.2: Causes of Human Aggression

A. Basic Sources of Aggression

B. Social Causes of Aggression

C. Gender and Aggression

D. Situational Determinants of Aggression

4.3: The Prevention and Control of Aggression

A. Punishment

B. Self-Regulation

C. Catharsis

D. Reducing Aggression by Thinking Nonaggressive Thoughts

Note: Question paper as per pre-revised syllabi will be set at the examination to be held in October, 2023 and April, 2024 for the benefit of repeater students.

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester IV

i. Paper VI
ii. Title of paper : APPLIED PSYCHOLOGY
iii. Specific objectives:

1. To acquaint the students with processes of Personal control, Decision Making and Personal growth.
2. To introduce students the work, career, play and using leisure positively.
3. To acquaint the students with Making and keeping friends
4. To introduce students the concept of Love and Commitment.

iv. Module	**No of Hours**	**No. of credits**
Module- 1: Taking Charge	15	01
Module- 2: At Work and Play	15	01
Module- 3: Making and keeping friends	15	01
Module- 4: Love and Commitment	15	01

v. Equivalence

Old Paper	New Paper
APPLIED PSYCHOLOGY	**APPLIED PSYCHOLOGY**

viii. Recommended reading

Recommended Reading:

a) Book for Study:

Kirsh, S.J., Duffy, K.G., & Atwater, E. (2015). *Psychology for Living-Adjustment, Growth, and Behavior Today*. (11th ed.). Noida (UP): Pearson India Education Services Pvt.Ltd.

b) Books for Reference:

1. Atwater, E. (1994). Psychology for Living (5th ed.). New Delhi: Prentice-Hall of India PrivateLtd.
2. Barve, B. N. (1998). Jivanmanache Manasshastra. Jalana: Sankalp Pub.
3. Weiten, W. & Margaret, A.L. (1994). *Psychology Applied to Modern Life* (7th ed.). Singapore:Thomson Asia Pvt. Ltd.

vii) Nature of Question Paper (Semester End Examination) Total Marks = 40

Q.1 Complete the following sentences by choosing correct alternative. (5 Marks)

Q.2 Write short notes (any three out of five): (15 Marks)

Q.3 Answer the following questions.

a) Broad question. (10 Marks)OR

b) Broad question. (10 Marks)

Q.4 Answer the following questions.

a) Broad question. (10 Marks)OR

e) Broad question. (10 Marks)

viii) CIE for 10 marks: Case Study / Oral examination

SHIVAJI UNIVERSITY, KOLHAPUR
NEP -2020 SYLLABUS
Choice Based Credit System with MEME
B.A. (Part II)
Psychology
(Introduced from June 2023 onwards)

Semester IV

APPLIED PSYCHOLOGY (Paper VI)

Module I: Taking Charge

1.1 Personal Control

A. Explaining Perceived Control

B. The Benefits of Perceived Control

C. Misperception and Maladjustment

D. Learned Optimism

E. Defensive Pessimism

1.2 Decision Making

A. The Process of Decision Making

B. Critical Elements in Decision Making

C. Post-Decision Regret

D. Making Better Decisions

1.3 Decisions and Personal Growth

A. Making New Decisions

B. Some practical Applications

Module II: At Work and Play

2.1 At Work

A. Taking Stalk of Yourself

B. Identifying Compatible Careers

C. Arriving at Your Career Decision

D. Landing a Job

E. Changing Jobs or Careers

F. Work Issues Related to Culture and Gender

2.2 At Play

A. What is Leisure?

B. Using Leisure Positively

C. Leisure across Adulthood

Module III: Making and keeping friends

3.1 Meeting People

A. Are First Impressions Most Important?

B. Factors that Influence First Impressions

C. Mistaken Impressions

3.2 Keeping Friends

A. When Friends Get Together?

B. Self-disclosure – Those Little Secrets

C. Gender Differences in Friendship

D. Staying Friends

3.3 When It's Hard to Make Friends?

A. Shyness

B. Loneliness

Module IV: Love and Commitment

4.1 Love is a Many Splendored (and Defined) Thing

A. The Many Definitions of Love

B. Love and Friendship

C. Love and Attachment

4.2 Finding Love

A. Online Dating

B. The importance of Self-disclosure

4.3 Marriage and Other Committed Relationships

A. Cohabitation

B. Marriage

4.4 Adjusting to Intimate Relationships

A. Attitude adjustment

B. Sharing Responsibilities

C. Communication and Conflict

D. Making the Relationship Better

E. Sexuality

Note: Question paper as per pre-revised syllabi will be set at the examination to be held in October, 2023 and April, 2024 for the benefit of repeater students.

SHIVAJI UNIVERSITY, KOLHAPUR

Implemented from Academic year 2017-18

Compulsory for First Year D

egree courses under All Faculties

Syllabus for First Year Bachelors

Module: Democracy, Elections and Good Governance

• Democracy in India

– Dimensions of Democracy: Social, Economic and Political

– Decentralisation: Grassroots Level Democracy

– Challenges before Democracy: women and marginalised sections of the society

• Election to Local Self Government Bodies

– 73rd and 74th Constitutional Amendment Acts: Institutions at the local level and Role of State Election commission

– Local Body Elections: Urban & Rural

– Duties of an Individual towards electoral process

• **Good Governance**

– Meaning and concept

– Government and Governance

– Good Governance initiatives in India

Rationale: the rationale of the study is to make the pupils aware of the importance of democracy. What constitute democracy, what is its importance from the point of view of the role of individual and what exactly can a individual get if he performs his role well in the society. This module also aims to make the individual understand the different aspects of democracy and its implications in the overall development of the state. The syllabus is introduced from the point of view that all students upon entering into the college, enroll themselves as voters and encourage and enthuse other members of the society to participate not only in election process but also electoral and political process in general.

I. Democracy

A. Introduction

Democracy is derived from the Greek word _*Krates'* meaning power or rule. Democracy thus means rule of the demos (the demos refereeing to the people, although the Greeks originally used this to mean the _poor' or the _many'. Thus democracy essentially links to the govt to 2 the people and hence Abhram Lincon's famous definition of ―Democracy is government of the people, by the people and for the people‖ rightly expresses the spirit of democracy.

Very broadly, democracy may mean the following

1. The system of rule by the poor and disadvantaged.
2. A form of government in which the people rule themselves directly and without the need for professional politicians or public officials.
3. A society based on equal opportunity and individual merit rather than hierarchy and privileges.
4. A system of welfare and redistribution aimed at narrow social inequalities.
5. A system of decision making based on the Principe of majority rule

6. A system of rule that secures the right and interests of minorities by placing checks upon the power of the majority.
7. A means of filling public offices through a competitive struggle for the popular vote.
8. A system of government that serves the interest of people regardless of their participation in political life.

Democracy is broadly classified as:

Direct Democracy and

Representative Democracy

Direct Democracy is also called as participatory democracy this was the first ever model of democracy introduced in the Greek city state of Athens in 3rd century BC. In this form of democracy, citizens participated in the affairs of the state directly and had a say in the governance of the city state. Every citizen had a political right in theism state. (women and slaves were not allowed to participate).

Direct democracy thus obliterates the distinction between government and the governed and between the state and civil society.

Features of Direct Democracy
It heightens the control that citizens can exercise over their own destinies as it si the only pure form of government.
It creates a better informed and more politically sophisticated citizens.
It enables the public to express their own views and interests without having to rely in self-serving politicians.

Representative Democracy
It is also called limited or indirect democracy. The narrow meaning of representative democracy as understood by many is periodic voting after a stipulated time (in case of India it is every five years). However the larger meaning of democracy is full participation in the day to day affairs of governance. The process of election is essentially to establish a link between the government and the governed.

Features of representative democracy:
It is a practicable form of democracy.

It relieves ordinary citizens the burden of decision making thus possible a division of labour in politics.
It allows governed to be placed in the hands of those with better education, expert knowledge and greater experience.

Principles of Democracy are as follows
1. **Government by consent:** democracy is government by consent of the people. Rational consent can be obtained by persuasion for which an atmosphere of free discussion is essential. Consent is obtained at two levels.
A) Among the representatives of the people in the legislative assemblies where members of the opposition have their full say and
B) At a public level where there is a direct communication between the leadership and the people.

2. **Public Accountability:** It essentially means the representatives must remain answerable to the people. As we have seen earlier that democracy essentially is based on public consent, therefore it is implied that the government should be responsible and responsive to the people. Whatever will and aspirations of the people are, the government should attempt to fulfil/realise those if they fall well within the constitutional framework of the country.

3. Majority Rule: In modern representative democracies, decisions are taken in several bodies right from electing the government to the committees that are constituted. It is considered to be the heart of the democratic system that all issues in all the bodies from legislature to cabinet, executives and other committees are resolved through majority decisions. Political equality is secured by the principle of ‘one man on vote‘, which implies that there will be no privileged sections claiming special weightage nor any underprivileged section whose voice is ignored. No discrimination is allowed on grounds of religion, race, Caste, Sex, Place of birth or ownership of property. The principles of majority rule relies on the wisdom of the Majority.

BOX1: Popular Sovereignty:

It means people‘s rule. The authority of the State and government is created and sustained by the consent of its people, through their elected representatives.

It means people are supreme authority and not the elected representatives.

4. Constitutional government and Rule of Law: Constitutional government means ‗government by law‘ rather than by men. Democracy requires an infinitely complex machinery of process, procedures and institutions to translate the majority will into action. If one compromises with the law, rampant corruption and decay of democracy is ensured. It is, therefore, essential to have a well-established tradition of law and constitution for the stability of a democratic government.

Box 2: Constitutional Supremacy

As the rule book the constitution is supreme and not the Parliament. The laws emanating from the constitution should supersede all laws

caste, sex, place of birth or ownership of property. The principle of majority rule relies on the wisdom of the majority.

II. Dimensions of Democracy: Social Democracy, Economic and Political

Definition a democratic welfare state that incorporates both capitalist and socialist practices.

Meaning: Social Democracy is a political, social and economic ideology that supports economic and social interventions to promote social justice within the framework of a capitalist economy, as well as a policy regime involving a commitment to representative democracy, measures for income redistribution, and regulation of the economy in the general interest and welfare state provisions. Social democracy thus aims to create the conditions for capitalism to lead to greater democratic, egalitarian and solidaristic outcomes; and is often associated with the set of socioeconomic policies that became prominent in Northern and Western Europe. In India Dr. B.R Ambedkar the Chairman of the Drafting Committee of the Constitution strongly advocated for Social Democracy.

Core values of Social Democracy are as follows.

1. **Freedom, Equality and Fraternity:** This was the battle-cry of the French Revolution; and these broadly remain the core values of democratic parties today. The formulation of core values began in the nineteenth century with the rise of the bourgeoisie and they began to conquer the world at the latest in the mid-twentieth century – they came to be the standard by which states and societies were judged.

2. **This is also reflected in the legal foundations of the United Nations**. With the UN's two Human Rights Covenants of 1966 the fundamental civic, political, economic, social and cultural rights attained the apex of their legitimacy and have been ratified by almost every country in the world. They constitute something like a global legal foundation. Fundamental rights are supposed to ensure the transposition of core values into formal legal claims.

3. Fundamental Rights: These are the rights enshrined in the constitutions of democratic countries. These are claims that individuals have in a state. In India, Fundamental Rigts are enshrined in Part III of the constitution. If the fundamental rights are abridged by any individual or the state, any citizen can move the Supreme Court or the High courts.

BOX 2: Six Fundamental Rights:
Right to equality
Right to freedom
Right against exploitation
Right to freedom of religion
Educational and cultural right
Right to constitutional remedies

Economic democracy or stakeholder democracy is a socioeconomic philosophy that proposes to shift decision-making power from corporate managers and corporate shareholders to a larger group of public stakeholders that includes workers, customers, suppliers, neighbours and the broader public. No single definition or approach encompasses economic democracy, but most proponents claim that modern property relations externalize costs, subordinate the general well-being to private profit, and deny the polity a democratic voice in economic policy decisions. In addition to these moral concerns, economic democracy

makes practical claims, such as that it can compensate for capitalism's inherent effective demand gap.

Political Democracy is a means for the people to choose their leaders and to hold their leaders accountable for their policies and their conduct in office. The people decide who will represent them in parliament, and who will head the government at the national and local levels. They do so by choosing between competing parties in regular, free and fair elections. Government is based on the consent of the governed. In a democracy, the people are sovereign—they are the highest form of political authority. Power flows from the people to the leaders of government, who hold power only temporarily. Political Democracy is a means for the people to choose their leaders and to hold their leaders accountable for their policies and their conduct in office. The people decide who will represent them in parliament, and who will head the government at the national and local levels. They do so by choosing between competing parties in regular, free and fair elections. Government is based on the consent of the governed. In a democracy, the people are sovereign—they are the highest form of political authority. Power flows from the people to the leaders of government, who hold power only temporarily.

B. Decentralisation:

Decentralisation can be usefully understood as a political process whereby administrative authority, public resources and responsibilities are transferred from central government agencies to lower-level organs of government or to non-governmental bodies, such as community-based organisations (CBOs), ‗third party' non-governmental organisations (NGOs) or private sector actors

In 1993, the Government of India passed a series of constitutional reforms, which were intended to empower and democratise India's rural representative bodies – the Panchayats. The 73rd Amendment to the Constitution formally recognised a third tier of government at the sub-State level, thereby creating the legal conditions for local self-rule – or Panchayati Raj. Since this time, the process of decentralisation has been highly variable, ranging from ambitious attempts at Gram Swaraj (or village self-rule).

Box 3: Political, administrative and fiscal decentralisation.
Political decentralisation transfers policy and legislative powers from central government to autonomous, lower-level assemblies and local councils that have been democratically elected by their constituencies.
Administrative decentralisation places planning and implementation responsibility in the hands of locally situated civil servants and these local civil servants are under the jurisdiction of elected local governments.
Fiscal decentralisation accords substantial revenue and expenditure authority to intermediate and local governments.

Source: World Bank

Defining features of Decentralisation:

popular control of policy makers, both by regular elections and by the pressure of social interest groups;

the institutionalisation of all adult citizens in voting (i.e. one person, one vote);

political freedom in the eyes of the state;

policy decisions made on the basis of majority rule

What makes local institutions accountable?
In this section, we consider three broad conditions under which local institutions can be made more accountable to poor and politically marginal groups:

an active citizenry, whose participation in broad areas of political life, such as voting, campaigning, attending meetings, running for office, lobbying representatives, etc., serves to counter balance the arbitrary use of power;

fiscal and political support from higher level authorities within government;

the existence of competitive political parties whose legitimacy depends at least in part on the ability to support the needs of the poor.

C. Challenges before Democracy

The basic challenges before democracy in India are poverty, illiteracy, lower participation, criminalisation of politics, political violence, corruption, communalism, Regionalism. Apart from this the two very crucial areas of (non)participation are women and marginalised sections.

Women

After family, patriarchy exists most in politics. Women are always considered to be the secondary citizens of the country. Hence, the opportunities for participation are minimal to them. In most cases they do not even have the right to select their own candidates and are often forced to vote for a candidate who the head of the family (generally male) askes to. If at all women come out to vote during various elections from parliamentary to state legislature to the local bodies of Municipal corporations, municipal councils, the zilla-parishads to panchayat samities to the gram panchayat, the turnout is generally very low. As regards contesting elections women though 33% reservation is available very few women volunteer for the same. As the posts are reserved the political families or the male members of the family operate from behind the curtain.

Marginalised population:

As regards the marginalised sections (the dalits, the tribals, casual workers, fisher folks, construction, migrated and labour, the voting percentage is very low. The government machinery cannot all the time attempt to bring them to the main stream. Hence community initiatives are most needed in this sphere. These marginalised groups are not even registered voters and hence a large number of people are out of the fray of election and in turn democratic process. It is therefore imperative to bring these people into the political sphere of the country.

II. Elections to Local Self Government Bodies:

India is considered as one of the largest functional democracy in the world. This democratic

Experiment has withstood the test of the time.it has been possible because we have been able to conduct free and fair elections at regular interval (Except during 1976 Emergency). The constitution of India guarantees its people right to choose their representatives and people who govern them. This takes place through elections at following three levels:

National Level: At this level people directly elect their representatives to the House of People i.e. Lok Sabha for a period of five years. The person elected thus is a representative of that particular area or constituency in the parliament. E.g. Lok sabha has 543 members which are directly elected by the peole through the first past the post system. People cast their votes for candidates belonging to a variety of political parties. The one who secures highest number of votes is declared elected. Members of the Council of States i.e. Rajya Sabha are indirectly elected by members of Lok Sabha and members of the state legislative assembly.

State Level: The parliamentary form of government has been adopted at the state level as well. At this level people of a particular state directly elect their representatives to the state legislative Assembly i.e. Vidhan Sabha for a period of five years. The person elected thus is a representative of particular area or constituency from a state in the state legislature. E.g. State legislature of Maharashtra has 288 members in the Vidhan Sabha which are directly elected by the people of the state of Maharashtra.

Local Level: In order to achieve ideals of good governance the constitution of India since 1990‘s has added one more tier to the government, in the form of local self-governing bodies, both in rural and urban areas. In this part of the chapter we shall go into details of Urban and Rural Local Body Elections.

Institutions at the Local Level:

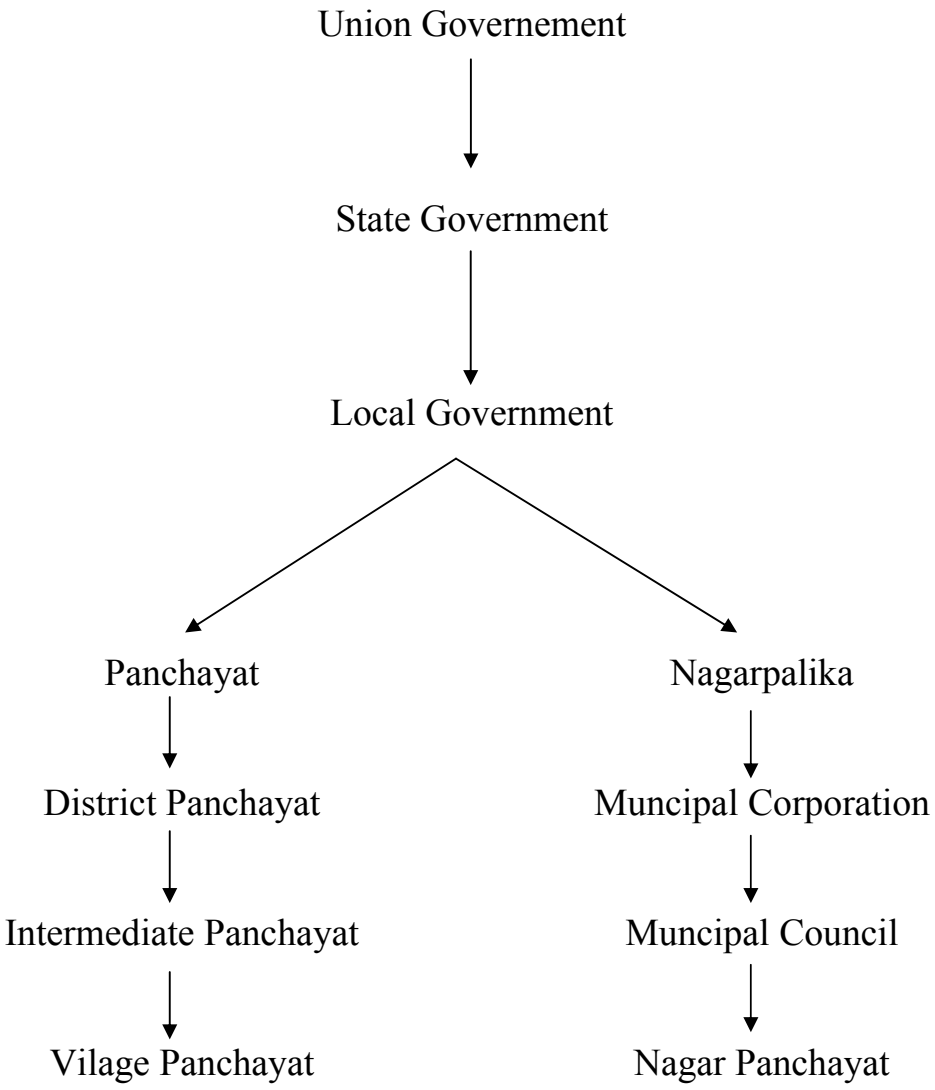
The geographical length and breadth of our country coupled with unimaginable socio cultural diversity makes her a unique nation state. In addition to this a huge population pose many governance challenges before us. Our constitution has divided the powers and functions between the union and state in the form of three lists mentioned in part VII of the constitution. But with changing times and growing expanse of governance,

it was realised that a government is needed which closer to people, where people are part of the governing process and also a part of electing their own local representatives to address their local problems and concerns. To this effect in 1993 two historic constitutional amendments were passed by the Indian Parliament. The 73rd CAA and 74th CAA celebrate the spirit of local democracy and local governance in India.

Constitutional Provisions of the 73rd & 74th Constitutional Amendment Acts:

The 73rd and 74th Amendment to the Constitution of India has given legal sanctity to the Panchayat Raj System in rural arrears and Municipal Governance in Urban areas. India has a chequered history of local self-governing bodies working at the local level. The council of five elderly members from a village i.e. Panchayat existed in India since time immemorial. Sir Charles Metcalf called these village communities as ‗Little Republics'. But with the passage of time these communities became dysfunctional. After independence, through the recommendations of various committees like Balwant Rai Mehata Committee, Ashok Mehta committee and others, Indian government tried to revive these institutions. But unfortunately they all failed miserably. However with the onsets of liberal reforms in 1990's , the process of decentralisation also gained momentum. And finally in 1993 73rd and 74th CAA were passed by the Indian Parliament. These acts implement Article 40 of the DPSP. It added Part XI and XI A to the constitution. It covers Article 243 to 243 O which relates to Panchayati Raj System in rural areas and Article 243 P to 243 ZG which relates to urban local governance in India. These acts also added two schedules to the constitution, namely 11th and 12th schedule. The 11th schedule prescribes a list of 29 functions to be performed by rural local bodies and 12th schedule prescribes a list of 18 functions to be performed by the urban local bodies.

These two acts have added third tier to the federal framework of our Government and thus it makes India a unique three tier federal democratic polity in the world. The following flow chart explains this:


Union Governement
State Government
Local Government
Panchayat
Nagarpalika
District Panchayat
Muncipal Corporation
Intermediate Panchayat
Muncipal Council
Vilage Panchayat
Nagar Panchayat

Important features of the 73rd and 74th Constitutional Amendment Acts:

1) **Gram Sabha or Ward Sabha (Meetings) :** It is a deliberative body at the grassroots level. It comprises of all the registers voters in a village in rural areas or a ward in an urban area. It is the foundation of local democracy and process of decentralisation of powers in India. People at grassroots level can directly participate in the meetings of Gram Sabha or Ward Meeting, where they can discuss issues concerning them, offer suggestions, question their representatives and also approve the plans and budgets prepared by their representatives. In a way it‘s a miniature of the parliament of India at the grassroots level.

2) **Reservation of seats for SC/ St and Women:** In order to provide fair and equal representation to all the sections of the society, seats are reserved for SC, ST in proportion to their population. Along with this, one third seats are also reserved for women candidates. States like Maharashtra, Madhya Pradesh, Gujarat now reserve fifty per cent of the seats in their Panchayati raj institutions.

3) **State Election Commission:** This amendment provides for the establishment of the State Election Commission for conduct of elections to the urban and rural local self-government. This consist of Municipal Corporations, Municipal Councils, Nagar Panchayats in urban areas and Zilla Parishads, Panchayat Samitis, Village Panchayats in rural areas. This amendment made provision of Article 243-K and 243-ZA wherein State Election Commission were established. The main objective for 73rd and 74th amendment and making this provision was to create independent status of State Election Commission so that elections are conducted in free and fair, without other intervention.

Role of an individual towards electoral process at the local level:
Democracy as a system and as a way of life becomes meaningful only when there is active participation of people in the electoral process. Following suggested activities help us understand our role as a citizen and as an individual in the electoral process.

Suggested Activities:

1) Find out the name of elected local representative from your rural or urban area in which you live. What promises he made at the time of election and how much work he had done in your area?

2) Register yourself in the voters list of your area of residence, to be able vote at the time of National, State or local Elections. If you shift your residence then you also must shift your name to the voters list of that area. Voter registration can now be done online as well.

3) Visit a Local body. E.g. Gram Panchayat or Municipal Corporation or Zilla Parishad

4) Attend a Gram Sabha or Ward Meeting in your own area.

5) Find out what functions rural or urban local bodies are supposed to perform in your Area.

6) Find out what are the problems, challenges and concerns of your area. What steps local body has taken to address the same?

7) Find out the names of political parties which contested election in your area last time. What was their electoral manifesto or agenda? How far the party has been able to address the local concerns? What is their party ideology? What is their party symbol?

III. Good Governance

Introduction:

Governance has been defined to refer to structures and processes that are designed to ensure accountability, transparency, responsiveness, rule of law, stability, equity and inclusiveness, empowerment and broad based participation. When a government sticks to these principles while making policies and implementing them, it is said to be good governance.

Let us now look at the concept of Good Governance in detail.

Meaning of Good Governance:

In 1989, the concept of _governance' was for the first time highlighted in a World Bank study _Sub-Saharan Africa-from Crisis to Sustainable Growth' to describe the need for institutional reform and a better and more efficient public sector in Sub-Saharan countries. The study report mentioned four key dimensions of good governance:

i. Public sector management

ii. Accountability

iii. Legal framework for development

iv. Information and transparency

For a country like India where democracy forms the base of all the governing systems, governance needs to be inclusive and is largely determined by the participation of its people. In a democracy like ours, a system of governance which is accountable and transparent demands the participation of people at every level. People's participation on one hand can help the government formulate better policies which can be communicated to the society again through participation and also implemented well with its help.

If policies of the government are inclusive and people friendly, it would help encourage the participation of citizens in the mainstream political process. In turn, when people participate directly- by contesting or indirectly by voting or by being a part of the electoral process, it would help strengthen the government and would help in brining more people friendly policies.

Good governance thus has to be understood as a two way process- the government should ensure that the values of good governance like accountability and transparency are taken care of while framing policies while on the other hand, people should participate in the process of governance to make it better.

After having a detailed discussion about the origin, development and meaning of good governance, let us try to understand the essential components of good governance reflected in the various documents and study reports of international organisations, policy makers and in the writings of the researchers and academicians.

Characteristics of Good Governance:

1. Participation:

The first characteristic refers to equal participation by all members of society as the key element of good governance, with everyone having a role in the process of decision-making. Participation could be either direct or through legitimate intermediate institutions or representatives. Participation needs to be informed and organized. This means freedom of association and expression on the one hand and an organized civil society on the other hand. All the section of society should be allowed to express their concerns in the policy making influencing them without any fear and discrimination.

2. Rule of Law:

Good governance requires fair legal frameworks that are enforced impartially. It also requires full protection of human rights, particularly those of minorities. Impartial enforcement of laws requires an independent judiciary and an impartial and incorruptible police force. It also involves provision of free legal aid to the poor and needy people who cannot afford to pay to the legal practitioner. It focuses on judicial and legislative reforms and the importance of legal education and training.

3. Transparency:

Transparency means that decisions taken and their enforcement are done in a manner that follows rules and regulations. It also means that information is freely available and directly accessible to those who will be affected by such decisions and their enforcement. It also means that enough information is provided and that it is provided in easily understandable forms and media.

4. Responsiveness:

Good governance requires that institutions and processes try to serve all stakeholders within a reasonable timeframe. By being responsive, governmental institutions gain _legitimacy‘ in the public realm which will automatically ensure their wider acceptance and thus effectiveness in governance.

5. Consensus oriented:

There are several actors and as many viewpoints in a given society. Good governance requires mediation of the different interests in society to reach a broad consensus in society on what is in the best interest of the whole community and how this can be achieved. It also requires a broad and long-term perspective on what is needed for sustainable human development and how to achieve the goals of such development.

6. Equity and inclusiveness:

A society‘s well-being depends on ensuring that all its members feel that they have a stake in it and do not feel excluded from the mainstream of society. This requires all groups, but particularly the most vulnerable, have opportunities to improve or maintain their well-being.

7. Effectiveness and efficiency:

Good governance means that processes and institutions produce results that meet the needs of society while making the best use of resources at their disposal. The concept of efficiency in the context of good governance

also covers the sustainable use of natural resources and the protection of the environment.

8. Accountability:

Accountability is a key requirement of good governance. Not only governmental institutions but also the private sector and civil society organizations must be accountable to the public and to their institutional stakeholders. Accountability cannot be enforced without transparency and the rule of law.

Government, Governance and Good Governance: The word 'Governance' lends itself to wider meaning which includes the processes as well as the results, making it more comprehensive in meaning and implications than the word 'government'. Government refers to the machinery and institutional arrangements of the 'political community' whereas governance means making policies for the development of organisations as well as people.

While governance, on the one hand, deals with collaborative partnership networks which are necessary for policy formulation and implementation, good governance, on the other hand, attempts to make this activity not just efficient but also more accountable, democratic and responsive to the public needs.

Good governance goes beyond the formal institutions of democratic government to address several other central issues which includes — representative legislature; non-discriminatory laws; efficient, impartial and rapid judicial processes; transparent public agencies; Universal protection of human rights; accountability for decisions by public officials, devolution of resources and decision making to local.

Good Governance in India:

Kautilya's Arthashastra highlighted the principle of good governance as, ―In the happiness of his people lies king's happiness, in their welfare his welfare, whatever pleases himself he shall not consider as good, but whatever pleases his people he shall consider as good.‖

The Indian Constitution has not used the term even once in its preamble. Indeed, the Constitution has used 'governance' only once — in its directive principles of state policy. Article 37 says: 'The provisions contained in this part shall not be enforceable by any court, but the principles therein laid down are nevertheless fundamental in the governance of the country and it shall be the duty of the state to apply these principles in making laws.' The directive principles of the state

policy emphasize the 'content' part of good governance. E.g. Right to an adequate means of livelihood, Equal pay for equal work for both men and women is ensured, equitable distribution of resources etc.
The problem of good governance (read administrative reform) is discussed in each five-year plan as well as by parliamentary committees. Besides, the Government of India has appointed no less than 34 committees devoted to good governance making a large number of recommendations.

The plan documents in post 1990 reflected the essential principles of good governance including constitutionally protected right to elect government, accountable and transparent government, effective and efficient delivery of social and economic public services, a special attention for ensuring the effectiveness and efficiency of local governments, delivery of key services such as primary education and health, the rule of law, protection of the disadvantaged groups, especially the SCs, STs, minorities and others etc.

One of the best policies that has set an example in the country is the Right to Information Act which came into full force in the midnight of 12th and 13th October 2005. Under the act any citizen can seek information from government or public authorities as notified in the act. The act seeks to deepen Indian democracy by empowering the citizens to obtain the needed information from the public authorities at the national, state and local levels and aims at good governance by ensuring the much-needed transparency and accountability in them.

Another such initiative is The National Rural Employment Guarantee Act (NREGA), 2005, which has now been renamed as the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).It is one such step towards implementing the provision of Right to Work and is the largest social welfare scheme of its kind in the world.
Even The Right to Education (RTE) Act, 2009, may be legitimately hailed as one of major landmark legislations that have been enacted by Parliament in the 21st century, with a view to achieve the objectives of Good Governance. It aims at fulfilling the promise of universal education by making it a mandatory obligation for the state to ensure that all children of the 6-14 years age group enroll themselves in schools and attend the classes.

In conclusion

After understanding the concept, meaning, principles and examples of good governance, one can infer that it is a broad and dynamic concept. Governance to become good governance needs participation of people at each stage through which ideals of the same can be achieved for a better welfare of people. The values of good governance need to be cherished and practiced in a true sense to make governance more efficient, effective and beneficial to the citizens.

Operation of the syllabus:

The syllabus has to be operationalized in the following manner

Apart from the theoretical understanding given in the above section, the students should be encouraged to follow democratic principles in their daily life

They should be encouraged to make presentations on various electoral processes

They should be encouraged to propagate and enthuse for registering voters

The students should ensure full class registers as voters if they are not.

The school/colleges may have essay writing competitions on electoral /democratic processes

Interview atleast on elected representative or politically active individual or one who had contested election to anybody in the area and make presentation in the class.

Role play, skits, short stories, short dramas, short films in case of BMM students‘, posters (fine and applied arts students) be used for part assessment during the course.

Depending upon the activities carried out by the students one student be declared leader of the month.

Mock Elections can be organised in your institutions.

Shivaji University, Kolhapur

Choice Based Credit System (CBCS)

Bachelor of Arts (B. A.) Program

Faculty of Humanities

(To be implemented from Academic Year 2018-19)

Shivaji University, Kolhapur

Regulations and Guidelines
Under Choice Based Credit System (CBCS)
Bachelor of Arts (B. A.) Program
Under the Faculty of Humanities

(To be implemented from Academic Year 2018-19)

1. **Implementation of Regulations & guidelines** - The Regulations and guidelines shall be implemented as mentioned below -
   B.A. Part – I, Sem I & II from Academic year 2018- 19
   B.A. Part – II, Sem III & IV from Academic year 2019- 20
   B.A. Part – III, Sem V & VI from Academic year 2020- 21
2. **Eligibility Criteria:** As per Ordinance – O. B. A. 1
3. **Pattern of CBCS** - The pattern of CBCS for Semester examinations shall be as mentioned below:
   i. **B. A. Part – I, Sem I & II:-** 50 marks University Semester examination for each theory paper in each Semester.
   ii. **B. A. Part – II, Sem III & IV:-** 50 marks University Semester examination for each theory / practical paper in each Semester except Environmental Studies.
   For Environmental Studies at Semester IV, 70 marks will be for theory paper and 30 marks for the project work.
   iii. **B. A. Part – III, Sem V & VI :-** 40:10 pattern shall be applicable for each theory paper in each semester wherein 40 marks shall be for University Semester examination and 10 marks for internal assessment.

4. **Weightage**: There shall be 1900 marks for 3 years having 6 Semesters B. A. CBCS Program with 148 Credits.

   a) **<u>B. A. Part – I (Sem I & II) :</u>**
   For B. A. Part I total 12 papers with 6 papers of each semester and total Credits shall be 48 with 24 Credits for each Semester.

   I. There shall be Ability Enhancement Compulsory Courses (subjects) (hereafter termed as AECC) with Paper 1 for Sem I and Paper 2 for Sem II each of 50 marks, as compulsory English course.

II. There shall be one Compulsory Generic Elective (CGE) to be chosen from the list of CGE.

III. There shall be four Discipline Specific Core Courses (subjects) (hereafter termed as DSC) per semester. However, Student should select at least One paper from DSC- A and DSC –B.

b) <u>B.A. Part –II (Sem III & IV) –</u>

For B. A. Part II there shall be total 13 papers with 6 papers for of each semester and one compulsory paper of Environmental Studies. Credits shall be 52 with 28 Credits for Sem III and 24 Credits for Sem IV.

I. There shall be Ability Enhancement Compulsory Course (subjects) (hereafter termed as AECC) with Paper 3 for Sem III and Paper 4 for Sem IV each of 50 marks, as compulsory English course.

II. There shall be one compulsory Interdisciplinary Studies (IDS) to be chosen from group IDS -A or IDS- B. However it is compulsory to select IDS subject from respective DSE group, i. e. Candidate who has selected paper from DSE- C group should select from IDS- A group. Similarly Candidate who has selected paper from DSE- D group should select from IDS- B group.

III. There shall be One Paper of Environmental Studies (EVS) (Theory – 70 marks) and (Project – 30 marks) as compulsory Environmental Studies course. The examination shall be conducted at the end of Sem IV. The Credits of the Environmental Studies course shall be assigned at the end of Sem IV.

IV. There shall be two papers each, from two Discipline Specific Core course DSC- C and DSC - D (subjects) per semester.

c) <u>B.A. Part –III (Sem V & VI) –</u>

For B. A. Part III there shall be total 12 papers with 6 papers for each semester and Credits shall be 48 with 24 Credits for each Semester. For each paper there shall be 3.2 Credits for theory and 0.8 credits for internal assessment.

I. There shall be Ability Enhancement Compulsory Course AECC-5 for Sem V and AECC- 6 for Sem VI, each of 40 (Theory)+10(Internal) marks.

II. There shall be one Discipline Specific Elective (hereafter termed as DSE-E) as a special course (subject) from B. A. part II – DSC- C or DSC-D.

III. There shall be 5 theory papers each of 40 marks for a DSE-E per Semester. There shall be 5 internal assessments for each of 10 marks per Semester for DSE-E.

d) Credit distribution chart for B. A. Program with Course Code :

Course Name	Total Courses(Papers)	Total Credits	% in total course
DSC : Discipline Specific Core Course	18	72	49
AECC : Ability Enhancement Compulsory Courses	7	28	19
DSE : Discipline Specific Elective	10	40	27
CGE : Compulsory Generic Elective	2	8	5
TOTAL	**37**	**148**	**100%**

5. Scheme of Examination –

The following shall be the scheme of Examination

The Question paper in each Semester for each theory paper for B. A. Semester I, II, III & IV shall be of 50 marks. The question paper for Environmental Studies for Semester IV shall be of 70 marks for theory and 30 marks for project work. For B. A. Semester V & VI question paper shall be of 40 marks for each theory paper and 10 marks for Internal Assessment.

The following shall be the scheme of Internal Assessment

There shall be continuous Internal Assessment of 10 marks for B.A. Part – III, **Sem V & VI**. Internal Examination/ Subject related activities assessment will be compulsory for all students. If a candidate fails or remains absent in Internal Examination / Subject related activities assessment then candidate will have to clear the Internal Examination / Subject related activities assessment in subsequent attempt/s in next semester.

6. **Ordinances regarding the examination –** O. B.A. 2, 3 and 4 shall prevail.

7. **Duration of Semester Examination for each theory paper** - The duration of Semester Examination for each theory paper of 40/50 marks shall be of two hours except Environmental Studies of 70 marks (Sem IV, Examination) which shall be of 3 hrs.
8. **Equivalence of papers and chances for the students in previous-Semester pattern** - Two additional chances from the implementation of CBCS syllabus, shall be provided for the repeater students of old B. A. Part I, II, III – Sem I to VI. After this the concerned students will have to appear for the Examination as per CBCS Pattern. Equivalence of papers shall be provided as per revised syllabus for CBCS pattern.
9. **Standard of passing**- The Standard of passing shall be 35%. For B. A. Part I & II (Sem I to IV) the candidate will have to score 18 marks out of 50 in each theory paper. Only for Environmental Studies (Sem IV, Examination) the Student will have to score 25 marks out of 70 in theory paper and 11 marks out of 30, for project work. For B. A. Part – III (Sem V and VI) the student will have to score 14 marks out of 40 in each theory paper and 4 marks out of 10 in each Internal Examination/ assessment. There will be a separate head of passing in Theory and Internal Examination. However ATKT rules shall be applicable to Theory Paper (University examination) only.

10.Gradation Chart:

Marks Obtained	Numerical Grade (Grade Point)		CGPA	Letter Grade
Absent	0 (zero)		-	-
0 - 34	0 to 4		0.0 – 4.99	F (Fail)
35 - 44	5		5.00 – 5.49	C
45 - 54	6		5.50 – 6.49	B
55 - 64	7		6.50 – 7.49	B+
65 - 74	8		7.50 – 8.49	A
75 - 84	9		8.50 – 9.49	A+
85 - 100	10		9.50 – 10.0	O (Outstanding)

Note:

1. Marks obtained > = 0.5 shall be rounded off to next higher digit.
2. The SGPA & CGPA shall be rounded off to 2 decimal points.
3. Marks obtained in 50 marks or 200 marks paper shall be converted to 100 marks.

Calculation of SGPA & CGPA

1. Semester Grade Point Average **(SGPA)**

$$\textbf{SGPA} = \frac{\sum(\text{Course credits} \times \text{Grade points obtained}) \text{ of a semester}}{\sum(\text{Course credits}) \text{ of respective semester}}$$

2. Cumulative Grade Point Average **(CGPA)**

$$\textbf{CGPA} = \frac{\sum(\text{Total credits of a semester} \times \text{SGPA of respective semester}) \text{ of all semesters}}{\sum(\text{Total course credits}) \text{ of all semesters}}$$

11. **Ordinances regarding the Examination –** O. B.A. 2, 3 & 4 shall prevail.

12. **Practical Examinations** – There shall be Practical Examination for subjects like Geography, Psychology, Home Science, Physical Education and Yoga. The rules for Practical Examinations shall be as per the letter / circular issued by respective Board of Studies from time to time.

13. **Result -** The result of each Semester shall be declared as Pass or Fail or Allowed to Keep Terms (A.T.K.T. for Sem II & IV) with grade/ grade points and Credits gained.

14. **Revised Rules** - These revised rules will be implemented with effect from the academic year 2018-19 onwards for B.A. degree program. However the existing (i.e. pre-revised) rules shall remain in force for the students of old semester pattern during the transition period.

Choice Based Credit System (CBCS) pattern

Under Faculty of Humanities

Implemented from the academic year 2018-19

Sr. No.	Rules and Regulations
CBCS R. B. A. 1	The 3 year B. A. CBCS Program shall consist of 6 semesters each of 6 months duration. Semester Examination shall be held at the end of each semester. **(A) Structure of Programme :** Following shall be the Structure and course list **(i)** Structure - I for B. A. Part – I **(ii)** Structure - II for B. A. Part – II **(iii)** Structure - III for B. A. Part – III **(B) List of courses (Subject)** **(i)** for B. A. Part – I **(ii)** for B. A. Part – II **(iii)** for B. A. Part – III
CBCS R. B. A. 2	**Non-Credit courses:** **(A) Compulsory Civic Courses (CCC)** For Sem I and Sem V there shall be Compulsory Civic Courses under **self study mode** which are as follows: **Sem I: CCC – I :** Democracy, Elections and Good Governance **Sem V: CCC – II** : Constitution of India and Local Self Government **(B) Skill Development Courses (SDC)** For Sem II and Sem VI there shall be Compulsory Skill Development Courses under **self study mode** which are as follows: **Sem II: SDC – I :** Any one from following (i) to (v) i) Business Communication & Presentation ii) Event management iii) Personality Development, iv) Yoga & Physical Management v) Resume, Report & proposal writing **Sem VI: SDC – II:** Any one from following (vi) to (x) vi) Interview & Personal Presentation Skill, vii) Entrepreneurship Development Skill, viii) Travel & Tourism, ix) E-Banking & Financial Services, x) RTI & Human Right Education (HRE), IPR & Patents

	• *These courses are of Self Study mode. The study material of all above courses will be made available on University website.* • *The Examination of each of the course will be of 50 marks having 25 MCQ questions. Minimum 20 marks (40%) out of 50 are required for passing.* • *The duration of examination shall be 60 minutes.* • *The examination shall be conducted at the college level.* • *The list of all candidates along with marks is to be submitted to the University.* • *The degree will be awarded only after successful completion of these courses.* • *The performance of students regarding Non-Credit courses (CCC & SDC) shall be separately mentioned in Result-sheet as Pass or fail.*
CBCS R. B. A. 3	i. The following shall be the course of studies for the B.A. Part-I CBCS Semester Examinations There shall be AECC for both Semester as compulsory English course, one CGE to be chosen from the list of CGE and four DSC per semester. However, Student should select at least One paper from DSC- A and DSC –B. ii. The following shall be the course of studies for the B.A. Part-II CBCS Semester Examinations. The B. A. Part-II Semester Examinations shall consist of six papers (in each semester) each of two hours duration and carrying 50 marks for University (Theory) examination. B. A. Part-II (Second Year) 1. AECC: English 2. IDS (Generic Elective) - The Second course (subject) shall be inter-disciplinary. The inter-disciplinary course (subject) to be offered by the candidate shall be from amongst the courses (subjects) mentioned against each of the DSC courses (subjects). 3. A candidate shall choose two courses (subjects) with two papers each out of the four DSC courses (subjects) of the 1st year. *Note:* A candidate who has passed the B. A. Part-I (CBCS pattern) of this University or any other statutory university is recognised as equivalent thereto. Candidate is allowed to select any two DSC at the B. A. Part-II, irrespective of the DSC offered by him at his B. A. Part-I Examination.

<table>
<tr><td>CBCS R. B. A. 4</td><td>The following shall be the course of studies for the B. A. Part-III Semester Examinations :-

The B. A. Part-III Semester Examinations shall consist of Six papers (in each semester), each of two hours duration and carrying 40 Marks for university (Theory) examination and 10 Marks for internal examination. English Compulsory and five Papers of one special subject are to be selected from two optional subjects offered at second year.</td></tr>
<tr><td>CBCS R. B. A. 5</td><td>a) A candidate will have the option of answering questions in any of the subjects other than Languages, either in Marathi or in English.
b) In the case of Languages, the question shall be answered in the medium as indicated below, except those questions which require translation into a particular language:
<table>
<tr><th>Language</th><th>Medium of Examination</th></tr>
<tr><td>Sanskrit, Pali, Ardhamagadhi</td><td>The same language or English or Marathi.</td></tr>
<tr><td>Persian</td><td>Persian, Urdu, English, or Marathi.</td></tr>
<tr><td>Marathi, Kannada, Urdu, Hindi</td><td>The same language</td></tr>
<tr><td>English, German</td><td>The same language or English.</td></tr>
</table>
c) The question papers in Modern Indian Languages will be set in those languages while those in English, Mathematical Statistics, Mathematics, Applied Mathematics and Applied Mathematical Statistics will be set in English only.
Nature of Question Papers:
The nature of Question Paper shall be as decided by the Humanities Faculty.</td></tr>
<tr><td>CBCS R. B. A. 6</td><td>i. The Principal of the college may permit candidate to change optional course (subject) / (subjects) in the first term only of the respective year before submission of University Examination form.
ii. If a candidate desires to change the optional courses (Subjects), already taken for B. A. Part II, the candidate has to reappear for terms of B. A. Part I: Sem I & II, (for theory and practical) with courses (Subjects) which the candidate desires. In this case candidate’s earlier performance shall be cancelled.
iii. If a candidate desires to change the optional courses (Subjects), already taken for B. A. Part III, the candidate has to reappear for terms of B. A. Part I & II: Sem I to IV, (for theory and practical) with courses (Subjects) which the candidate desires. In this case candidate’s earlier performance shall be cancelled.</td></tr>
</table>

	iv. A candidate who desires to change the course (subject) shall have to keep four additional terms and shall have to clear Part-I & Part-II (respective semesters) subject.
CBCS R. B. A. 7	The Principal of the college has to certify the attendance and the examination form of the candidate as per the Ordinance O. 31 and O. 37. A candidate has to submit University examination form as per the Schedule and dates prescribed by the University for every Examination.
CBCS R. B. A. 8	The Scheme of the Physical Education has been made operative for B. A. Part-I. The benefit of marks, obtained by the students in Physical Education Tests (of 10 marks) conducted by the University authorities shall be as under : 1. If a student fails in up to four heads of passing of University examination (Theory / Practical) and having passed in all the remaining heads of passing, the marks obtained by him in the Physical Education Test shall be added to maximum up to four heads of passing in which he has failed as the case may be. A student getting the benefit of Physical Education marks should not be given advantage of any other Ordinance. The Physical Education Marks shall not be considered for the award of Class and for deciding merit. 2. If as a result of addition of Physical Education marks a student does not pass the examination the marks obtained by him in Physical Education shall not be considered. 3. The marks of Physical Education obtained by the unsuccessful students at the B. A. Part-I semester Examination shall be carried forward for their subsequent attempt/s. 4. The marks obtained in Physical Education shall not be considered for earning exemption in a subject of head of passing, but the marks will be carried forward for availing the benefit at the subsequent attempts. 5. The marks secured by the students under the Physical Education scheme shall be added to the total of his marks in the Examination irrespective of the fact of his passing or failure in the examination. The Physical Education marks shall be shown as "Total +P. E. Marks". 6. The Physical Education Test shall be conducted in the Second Semester.
CBCS R. B. A. 9	The B.A. Part-I, II and III Semester Examinations shall be held twice in a year in April / May and October / November.
CBCS R. B. A. 10	A candidate who has satisfactorily kept term for first Sem of B. A. Part-I in this University or any other Universities following UGC, CBCS pattern shall be allowed to join for the Second Sem of the B. A. Part-I in this University.

CBCS R. B. A. 11	i) A candidate, who has once passed the B.A. Degree Examination of this University, shall be permitted, on the submission of a fresh application and the payment of a fresh fee, to appear again at the B.A. degree examination offering as his special subject any one of his DSC (optional) subjects, other than the special subject in which candidate has already passed; provided candidate fulfils the usual conditions laid down for regular students, but candidate will not be awarded a class or degree. However, candidate will be awarded passing certificate by the University. ii) The Candidate who has already taken degree in any of the DSE courses and wants to change the principal courses (Subjects), candidate can appear for new course as principal course (Subject), from amongst the optional subjects of B. A. Part II, the candidate can complete his new course; however the candidate will not be offered new degree in the principal subject. If the candidate wishes to have new degree, he shall have to surrender his first degree. iii) A candidate who has passed the B.Sc./B.Com. Degree Examination of this University or an examination recognized as equivalent thereto shall be allowed to take admission to B.A. Part-II programme. Such a candidate shall be required to appear in all the papers of B.A. Part -I, II and III to enable him to be eligible for award of a degree and a class, but not for a prize, scholarship, medal or any other award. Those students who do not desire to have a Class / degree , need not appear for the papers of B.A. Part-I Examination. iii) A candidate passing the B.Com. Examination of this University or an examination recognized as equivalent thereto and intending to appear for the B.A. Examination shall at his option be exempted from appearing in English of B.A. Part -II & III. Such candidates offering Economics at B.A. examination, be exempted from appearing in the optional papers in Economics at B.A. Part-II and in English at B.A. Part-II & III. However, such candidate shall not be eligible for a class. iv) A candidate passing the B.Sc. examination of this University or an examination recognized as equivalent, shall be exempted from appearing in the paper of English (AECC) at B.A. Part-III. However, such candidate shall not be eligible for a class.
CBCS R. B. A. 12	A Candidate, who has once passed the B.A. Degree of this University or any other Statutory University or recognized as equivalent thereto, shall be allowed to appear again for the same examination provided the candidate offers DSE subjects different from those in which he has already passed at the B.A. Part-II and III Examinations and provided further he keeps four terms in a College affiliated to this University (two for Part-II and two for Part-III). Such a candidate will not be required to keep terms for B.A. Part-I

	Papers. Such a candidate shall be exempted from AECC (Compulsory English) of B. A. Part-II & III. Candidate need not appear for the papers of B.A. Part-I Examination. A candidate appearing for above examination in accordance with the provisions stated above shall not be eligible for a degree, a class, prize, a scholarship, a medal or any other award.
CBCS R. B. A. 13	The provisions of R.B.A. 11 and 12 shall also apply to a distance mode candidate.
CBCS R. B. A. 14	For every subject of B.A. Parts-I (Sem. I& II), II (Sem.III & IV) and III (Sem.V & VI) each theory, internal and practical (wherever applicable) shall have a separate head of passing.
CBCS R. B. A. 15	i) The result of the B.A. Part-I examination shall be declared publicly in two categories viz. a) Candidate who have passed the Part-I examination and b) candidates who are allowed to keep term for B.A. Part-II course. ii) The result of the B.A. Part-II examination shall be declared publicly in two categories viz. a) Candidates who have passed in all papers of the examination in addition to the remaining papers, if any of the lower Examination b) candidates who are allowed to keep term for B.A. Part-III course. No Class shall be awarded at B.A. Part-I & Part- II Semester Examination and no Passing Certificate shall be issued to the candidates for these examinations. iv) The result of B.A. Program (Sem I to VI) shall be declared in Grades by considering SGPA & CGPA (with percentage) based on the performances of all the courses at respective semesters. The award of scholarships and prizes for the B.A. Program shall be determined on the basis of the aggregate performance of the candidate at Sem I to VI examination.
CBCS R. B. A. 16	The Results of the Examination will be declared on the basis of marks obtained, Grade points obtained, Credit points, Status, Percentage of marks, Result, SGPA & CGPA with numerical grade point and letter grade. The list of Courses, course code, Paper number of programme, numerical grade & letter grade table and calculation of SGPA and CGPA table shall be mentioned on the backside of mark-sheet.

CBCS R. B. A. 17	A candidate passing Part – I or II Semester Examinations of the B.A. Degree programme under CBCS of the other Statutory Universities can take admission to next semester of Shivaji University and the marks of earlier semesters of previous Statutory University be converted in proportion to Shivaji University, Marks structure and grades be awarded accordingly. However, if the candidate's previous programme is not under CBCS, the above provision will not be applicable. Those students who have obtained A.T.K.T., at any examinations of other Statutory Universities and desire to migrate to Shivaji University for pursuing their further studies will have to clear the failed subjects of A.T.K.T. from the previous University. In case of such students the previous University should issue the migration Certificate and also allow them to appear for the Examination in the failed subject of A.T.K.T. while they pursue their studies in Shivaji University.
CBCS R. B. A. 18	A candidate who has passed in any papers / practical shall not be allowed to appear again in the same paper / practical. However a candidate desirous to improve the Grade (Class) may appear the immediate next examination and before the award of degree.
CBCS R. B. A. 19	A candidate who has passed or has secured ATKT for the B.A. Part-I CBCS Semester Examination of Shivaji University in distance mode, and is eligible to register his name for B.A. Part-II Examination, will be permitted to join a college in regular mode of B.A. Part-II programme and *vice versa.* Note: This provision is not applicable for students passing B. A. Part II and seeking admission for B. A. Part – III.
CBCS R. B. A. 20	The course of study, the syllabi and the standard of passing of the examination for B. A. degree shall be identical for both distance and regular mode students. The distance mode candidate shall not offer any subjects which involve practical work in a laboratory or keeping of journals and the subjects for which there is no teaching provision in any of the affiliated colleges of the University.
CBCS R. B. A. 21	The syllabi for the various subjects shall be as prescribed by the Shivaji University authorities from time to time and shall be subject to such revision, modifications as may be made by the Academic Council from time to time on the recommendations of the Boards of Studies in different subjects. The text books and reference books for the various subjects shall be those as prescribed by the Academic Council from time to time on the recommendations of the respective Boards of Studies. ***Note:*** **The pattern of question paper shall be as prescribed by respective university authorities.**

CBCS R. B. A. 1 : (A) Structure of Programme :

(iv) Structure - I for B. A. Part – I

Semester I – Duration : 6 Months									
	Teaching Scheme				**Evaluation Scheme**				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (for passing)	Exam Duration (Hrs.)
1.	DSC – I	4	3.2	4	50	No Internal Exam	50	18	2
2.	DSC – I	4	3.2	4	50		50	18	2
3.	DSC – I	4	3.2	4	50		50	18	2
4.	DSC – I	4	3.2	4	50		50	18	2
5.	CGE – I	4	3.2	4	50		50	18	2
6.	AECC – I	4	3.2	4	50		50	18	2
	Total	**24**	**19.2**	**24**	**300**		**300**	**-**	**-**

Semester II – Duration : 6 Months									
	Teaching Scheme				**Evaluation Scheme**				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (for passing)	Exam Duration (Hrs.)
1.	DSC – II	4	3.2	4	50	No Internal Exam	50	18	2
2.	DSC – II	4	3.2	4	50		50	18	2
3.	DSC – II	4	3.2	4	50		50	18	2
4.	DSC – II	4	3.2	4	50		50	18	2
5.	CGE – II	4	3.2	4	50		50	18	2
6.	AECC – II	4	3.2	4	50		50	18	2
Total		**24**	**19.2**	**24**	**300**		**300**	**-**	**-**
Grand Total		**48**	**38.4**	**48**	**600**		**600**	**-**	**-**

1. Student Contact Hrs per week : 19.2 hrs	3. Total marks for BA I : 600
2. Lectures : 48 Min	4. Total Credit for BA I : 48

DSC: Discipline Specific Core Course - Candidate can opt four courses (Subjects) from DSC. However, Candidate shall opt for at least one language course (subject) from DSC.
CGE : Compulsory Generic Elective - Candidate can opt any one course (Subject).
AECC : Ability Enhancement Core Course (Compulsory English).
(A) Non-Credit Self Study Course : Compulsory Civic Courses (CCC) **For Sem I: CCC – I :** Democracy, Elections and Good Governance
(B) Non-Credit Self Study Course : Skill Development Courses (SDC) **For Sem II: SDC – I :** Any one from following (i) to (v) i) Business Communication & Presentation ii) Event management iii) Personality Development, iv) Yoga & Physical Management v) Resume, Report & proposal writing

ii) Structure II : B. A. Programme Sem III & IV

Semester III – Duration : 6 Months									
	Teaching Scheme				Evaluation Scheme				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (for passing)	Exam Duration (Hrs.)
1.	DSC – III	4	3.2	4	50	No Internal Exam	50	18	2
2.	DSC – IV	4	3.2	4	50		50	18	2
3.	DSC – III	4	3.2	4	50		50	18	2
4.	DSC – IV	4	3.2	4	50		50	18	2
5.	IDS – I	4	3.2	4	50		50	18	2
6.	AECC – III	4	3.2	4	50		50	18	2
7.	AECC-EVS	4	3.2	4	-		-	-	-
Total		**28**	**22.4**	**28**	**300**		**300**		

Semester IV – Duration : 6 Months									
	Teaching Scheme				Evaluation Scheme				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (for passing)	Exam Duration (Hrs.)
1.	DSC–V	4	3.2	4	50	No Internal Exam	50	18	2
2.	DSC–VI	4	3.2	4	50		50	18	2
3.	DSC–V	4	3.2	4	50		50	18	2
4.	DSC–VI	4	3.2	4	50		50	18	2
5.	IDS – II	4	3.2	4	50		50	18	2
6.	AECC – IV	4	3.2	4	50		50	18	2
7.	AECC-EVS	-			70+30		100	25+10	3
Total		**24**	**19.2**	**24**	**400**		**400**		
Grand Total		**52**	**41.6**	**48**	**700**		**700**	**-**	**-**

1. Student Contact Hrs per week : 19.2 hrs	3. Total marks for BA II : 700
2. Lectures : 48 Min	4. Total Credit for BA II : 48

AECC : Ability Enhancement Core Course (Compulsory English)
IDS : Inter Disciplinary Studies - Candidate can opt any one course (Subject) as per group chart of IDS.
DSC: Discipline Specific Core Course - Candidate can opt any two courses (Subjects) from DSC - C & DSC - D {Courses (subjects) which were opted in Part I (Sem I & Sem II)}
AECC – EVS : Ability Enhancement Compulsory Course – Environmental Studies

iii) Structure III : B. A. Programme Sem V & VI

Semester V – Duration : 6 Months									
	Teaching Scheme				Evaluation Scheme				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (For Passing) (Theory + Internal)	Exam Duration (Hrs.)
1.	DSE – E –VII	4	3.2	4	40	10	50	14+4 = 18	2
2.	DSE – E –VIII	4	3.2	4	40	10	50	14+4 = 18	2
3.	DSE – E – IX	4	3.2	4	40	10	50	14+4 = 18	2
4.	DSE – E – X	4	3.2	4	40	10	50	14+4 = 18	2
5.	DSE – E – XI	4	3.2	4	40	10	50	14+4 = 18	2
6.	AECC – V	4	3.2	4	40	10	50	14+4 = 18	2
Total		**24**	**19.2**	**24**	**240**	**60**	**300**	**-**	**-**

Semester VI – Duration : 6 Months									
	Teaching Scheme				Evaluation Scheme				
Sr. No.	Course	No. of Lectures	Hours	Credits	Theory	Internal	Total Marks	Min Marks (For Passing) (Theory + Internal)	Exam Duration (Hrs.)
1.	DSE – E –XII	4	3.2	4	40	10	50	14+4 = 18	2
2.	DSE – E –XIII	4	3.2	4	40	10	50	14+4 = 18	2
3.	DSE – E – XIV	4	3.2	4	40	10	50	14+4 = 18	2
4.	DSE – E – XV	4	3.2	4	40	10	50	14+4 = 18	2
5.	DSE – E – XVI	4	3.2	4	40	10	50	14+4 = 18	2
6.	AECC – VI	4	3.2	4	40	10	50	14+4 = 18	2
Total		**24**	**19.2**	**24**	**240**	**60**	**300**	**-**	**-**
Grand Total		**48**	**38.4**	**48**	**480**	**120**	**600**	**-**	**-**

DSE: Discipline Specific Elective - Candidate can opt any one course (Subject) from DSC {Course (subject) which was opted in Part II (Sem III & Sem IV)}

AECC : Ability Enhancement Core Course (Compulsory English)

(A) Non-Credit Self Study Course : Compulsory Civic Courses (CCC)

For Sem V: CCC – II : Constitution of India and Local Self Government

(B) Non-Credit Self Study Course : Skill Development Courses (SDC)

For Sem VI: SDC – II: Any one from following (vi) to (x)

vi) Interview & Personal Presentation Skill, vii) Entrepreneurship Development Skill, viii) Travel & Tourism, ix) E-Banking & Financial Services, x) RTI & Human Right Education (HRE), IPR & Patents

Note : DSE paper No. VII to XVI are elective papers whereas, DSC Paper No. I to VI are core courses. Hence, DSE paper VII to XVI should be considered in continuation of DSC I to VI.

CBCS R. B. A. 1 : (B): List of courses :

i) B. A. Part I – Sem I & II

Ability Enhancement Compulsory Course

Sem I		Sem II	
AECC 1	English	AECC 2	English

Core Generic Elective

Sem I		Sem II	
CGE			
CGE – 1	Marathi	CGE –2	Marathi
CGE –3	Hindi	CGE –4	Hindi
CGE –5	Sanskrit	CGE –6	Sanskrit (Lower)
CGE –7	Ardhmagadhi	CGE –8	Ardhmagadhi
CGE –9	Persian	CGE –10	Persian
CGE –11	Urdu	CGE –12	Urdu
CGE –13	Kannada	CGE –14	Kannada
CGE –15	Addl. English	CGE –16	Addl. English
CGE –17	Scientific Method	CGE –18	Scientific Method
CGE –19	Science, Tech. and Development (STD)	CGE –20	Science, Tech. and Development (STD)

Discipline Specific Core Course (DSC)

DSC A			
Sem I		Sem II	
DSC – A1	Marathi – I	**DSC –** A13	Marathi – II
DSC – A2	Hindi – I	**DSC –** A14	Hindi – II
DSC – A3	English – I	**DSC –** A15	English – II
DSC – A4	Sanskrit (Lower) – I	**DSC –** A16	Sanskrit (Lower) –II
DSC – A5	Sanskrit (Higher) –I	**DSC –** A17	Sanskrit (Higher) II
DSC – A6	Ardhmagadhi– I	**DSC –** A18	Ardhmagadhi– II
DSC – A7	Persian – I	**DSC –** A19	Persian – II
DSC – A8	Urdu – I	**DSC –** A20	Urdu – II
DSC – A9	Kannada – I	**DSC –** A21	Kannada – II
DSC – A10	Military Science– I	**DSC –** A22	Military Science– II
DSC – A11	NSS– I	**DSC –** A23	NSS– II
DSC – A12	Music– I	**DSC –** A24	Music– II
DSC B			
DSC – B1	History – I	**DSC –** B15	History – II
DSC – B2	Sociology– I	**DSC –** B16	Sociology– II
DSC – B3	Economics– I	**DSC –** B17	Economics– II
DSC – B4	Political Science– I	**DSC –** B18	Political Science– II
DSC – B5	Philosophy – I	**DSC –** B19	Philosophy – II
DSC – B6	Psychology – I	**DSC –** B20	Psychology – II
DSC – B7	Social Work– I	**DSC –** B21	Social Work– II
DSC – B8	AHIC– I	**DSC –** B22	AIHC– II
DSC – B9	Linguistics – I	**DSC –** B23	Linguistics – II
DSC – B10	Geography – I	**DSC –** B24	Geography – II
DSC – B11	Home Science – I	**DSC –** B25	Home Science – II
DSC – B12	Statistics – I	**DSC –** B26	Statistics – II
DSC – B13	Education – I	**DSC –** B27	Education – II
DSC – B14	Physical Education–I	**DSC –** B28	Physical Education–II
DSC – B29	Journalism – I	**DSC –** B30	Journalism – II

ii) B. A. Part II - Sem III & IV

Ability Enhancement Compulsory Course

Sem III		Sem IV	
AECC 3	English	AECC 4	English

Discipline Specific Core Course (DSC)

DSC C			
DSC – C1	Marathi – III	**DSC –** C25	Marathi – V
DSC – C2	Marathi – IV	**DSC –** C26	Marathi – VI
DSC – C3	Hindi – III	**DSC –** C27	Hindi – V
DSC – C4	Hindi– IV	**DSC –** C28	Hindi– VI
DSC – C5	English – III	**DSC –** C29	English – V
DSC – C6	English– IV	**DSC –** C30	English– VI
DSC – C7	Sanskrit (Lower) – III	**DSC –** C31	Sanskrit (Lower) – V
DSC – C8	Sanskrit (Lower) – IV	**DSC –** C32	Sanskrit (Lower) – VI
DSC – C9	Sanskrit (Higher) III	**DSC –** C33	Sanskrit (Higher) – V
DSC – C10	Sanskrit (Higher) IV	**DSC –** C34	Sanskrit (Higher) – VI
DSC – C11	Ardhmagadhi– III	**DSC –** C35	Ardhmagadhi– V
DSC – C12	Ardhmagadhi– IV	**DSC –** C36	Ardhmagadhi– VI
DSC – C13	Persian – III	**DSC –** C37	Persian – V
DSC – C14	Persian – IV	**DSC –** C38	Persian – VI
DSC – C15	Urdu – III	**DSC –** C39	Urdu – V
DSC – C16	Urdu – IV	**DSC –** C40	Urdu – VI
DSC – C17	Kannada – III	**DSC –** C41	Kannada – V
DSC – C18	Kannada – IV	**DSC –** C42	Kannada – VI
DSC – C19	Military Science– III	**DSC –** C43	Military Science–V
DSC – C20	Military Science– IV	**DSC –** C44	Military Science– VI
DSC – C21	NSS– III	**DSC –** C45	NSS– V
DSC – C22	NSS– IV	**DSC –** C46	NSS– VI
DSC – C23	Music – III	**DSC –** C47	Music – V
DSC – C24	Music – IV	**DSC –** C48	Music – VI
DSC D			
DSC – D1	History – III	**DSC – D**29	History – V
DSC – D2	History – IV	**DSC –** D30	History – VI
DSC – D3	Sociology – III	**DSC –** D31	Sociology – V
DSC – D4	Sociology – IV	**DSC –** D32	Sociology – VI
DSC – D5	Economics– III	**DSC –** D33	Economics– V
DSC – D6	Economics – IV	**DSC –** D34	Economics – VI

DSC – D7	Political Science – III	**DSC –** D35	Political Science – V
DSC – D8	Political Science – IV	**DSC –** D36	Political Science – VI
DSC – D9	Philosophy – III	**DSC –** D37	Philosophy – V
DSC – D10	Philosophy – IV	**DSC –** D38	Philosophy – VI
DSC – D11	Psychology – III	**DSC –** D39	Psychology – V
DSC – D12	Psychology – IV	**DSC –** D40	Psychology – VI
DSC – D13	Social Work – III	**DSC –** D41	Social Work – V
DSC – D14	Social Work – IV	**DSC –** D42	Social Work – VI
DSC – D15	AIHC – III	**DSC –** D43	AIHC – V
DSC – D16	AIHC – IV	**DSC –** D44	AIHC – VI
DSC – D17	Linguistics – III	**DSC –** D45	Linguistics – V
DSC – D18	Linguistics – IV	**DSC –** D46	Linguistics – VI
DSC – D19	Geography – III	**DSC –** D47	Geography – V
DSC – D20	Geography – IV	**DSC –** D48	Geography – VI
DSC – D21	Home Science – III	**DSC –** D49	Home Science – V
DSC – D22	Home Science – IV	**DSC –** D50	Home Science – VI
DSC – D23	Statistics – III	**DSC –** D51	Statistics – V
DSC – D24	Statistics – IV	**DSC –** D52	Statistics – VI
DSC – D25	Education – III	**DSC –** D53	Education – V
DSC – D26	Education – IV	**DSC –** D54	Education – VI
DSC – D27	Physical Education – III	**DSC –** D55	Physical Education – V
DSC – D28	Physical Education – IV	**DSC –** D56	Physical Education – VI
DSC – D57	Journalism – III	**DSC –** D59	Journalism – V
DSC – D58	Journalism – IV	**DSC –** D60	Journalism – VI

AECC-EVS	Environmental Studies	**AECC-EVS**	Environmental Studies

Group of Inter Disciplinary Studies (IDS)

I .D. S. SUBJECT	At least one optional subject from the following (DSE)
A.I.H.C.	History, philosophy, Hindi, Sanskrit, Ardhamagadhi, Pali
Business Administration	Economics, D.S.
Co-operation	Economics, Politics, History, Sociology, Education, Social Work, D.S., Stat, Mathematics, National Service Scheme (N.S.S.)
Cartography	Geography
Human Development	All Subject
Culture &Religion	History, Sociology, A.I.H.C., Psychology, Persian, Social work, Sanskrit, Ardhamagadhi, National Service Scheme (N.S.S.), Music, Pali, Natyashastra
Social Ecology	Economics, Politics, National Service Scheme (N.S.S.), H.S, Sociology, Geography, Ancient Indian History and Culture (A.I.H.C.), Philosophy, Psychology, History, D.S.
History of Marathi Literature	All Languages & Linguistics expect Marathi, Music, Natyashastra
History of Hindi Literature	All Languages & Linguistics expect Hindi
HSRM	Politics, History, Kannada, National Service Scheme (N.S.S.), Sociology, Education, Psychology, Social Work, Marathi, Urdu.
Industrial Psychology	Psychology
Labour Welfare	Economics, Sociology, National Service Scheme (N.S.S.), Home Science, Social Work
Logic (T)	All Subject except Home Science D.S.
Logic (M)	All Subject except Home Science D.S.
Linguistics	Education and all Languages
Public Administration	All Subject {Social Science} N.S.S. except Mathematics, Languages, H.S., Music, Natyashastra
Rural Development In India	Sociology, National Service Scheme (N.S.S.), H.S., D.S., Social Work, Political Science
RGM/RGT	Geography
Secretarial practice & Communication Correspondence	Mathematical Statistics, English, Marathi, Urdu, German, Kannada
Yoga Studies	All Subject
History of Urdu	All Languages & Linguistics except Urdu
History of Ardhamagadhi Literature	Marathi, Hindi, Sanskrit, Pali, Persian, Kannada, Linguistic, Urdu.

iii) B. A. Part III - Sem V & VI

Ability Enhancement Compulsory Course

Sem V		Sem VI	
AECC 5	English	AECC 6	English

Discipline Specific Elective (DSE)

DSE E			
DSE – E1	Marathi – VII	**DSE –** E126	Marathi – XII
DSE – E2	Marathi – VIII	**DSE –** E127	Marathi – XIII
DSE – E3	Marathi – IX	**DSE –** E128	Marathi – XIV
DSE – E4	Marathi – X	**DSE –** E129	Marathi – XV
DSE – E5	Marathi – XI	**DSE –** E130	Marathi – XVI
DSE – E6	Hindi – VII	**DSE –** E131	Hindi – XII
DSE – E7	Hindi– VIII	**DSE –** E132	Hindi– XIII
DSE – E8	Hindi – IX	**DSE –** E133	Hindi – XIV
DSE – E9	Hindi– X	**DSE –** E134	Hindi– XV
DSE – E10	Hindi– XI	**DSE –** E135	Hindi– XVI
DSE – E11	English – VII	**DSE –** E136	English – XII
DSE – E12	English– VIII	**DSE –** E137	English– XIII
DSE – E13	English – IX	**DSE –** E138	English – XIV
DSE – E14	English– X	**DSE –** E139	English– XV
DSE – E15	English– XI	**DSE –** E140	English– XVI
DSE – E16	Sanskrit – VII	**DSE –** E141	Sanskrit – XII
DSE – E17	Sanskrit – VIII	**DSE –** E142	Sanskrit – XIII
DSE – E18	Sanskrit – IX	**DSE –** E143	Sanskrit – XIV
DSE – E19	Sanskrit – X	**DSE –** E144	Sanskrit – XV
DSE – E20	Sanskrit – XI	**DSE –** E145	Sanskrit – XVI
DSE – E21	Ardhmagadhi– VII	**DSE –** E146	Ardhmagadhi– XII
DSE – E22	Ardhmagadhi– VIII	**DSE –** E147	Ardhmagadhi– XIII
DSE – E23	Ardhmagadhi– IX	**DSE –** E148	Ardhmagadhi– XIV
DSE – E24	Ardhmagadhi– X	**DSE –** E149	Ardhmagadhi– XV
DSE – E25	Ardhmagadhi– XI	**DSE –** E150	Ardhmagadhi– XVI
DSE – E26	Persian – VII	**DSE –** E151	Persian – XII
DSE – E27	Persian – VIII	**DSE –** E152	Persian – XIII
DSE – E28	Persian – IX	**DSE –** E153	Persian – XIV
DSE – E29	Persian – X	**DSE –** E154	Persian – XV
DSE – E30	Persian – XI	**DSE –** E155	Persian – XVI
DSE – E31	Urdu – VII	**DSE –** E156	Urdu – XII
DSE – E32	Urdu – VIII	**DSE –** E157	Urdu – XIII

DSE – E33	Urdu – IX	**DSE –** E158	Urdu – XIV
DSE – E34	Urdu – X	**DSE –** E159	Urdu – XV
DSE – E35	Urdu – XI	**DSE –** E160	Urdu – XVI
DSE – E36	Kannada – VII	**DSE –** E161	Kannada – XII
DSE – E37	Kannada – VIII	**DSE –** E162	Kannada – XIII
DSE – E38	Kannada – IX	**DSE –** E163	Kannada – XIV
DSE – E39	Kannada – X	**DSE –** E164	Kannada – XV
DSE – E10	Kannada – XI	**DSE –** E165	Kannada – XVI
DSE – E41	Physical Education– VII	**DSE –** E166	Physical Education– XII
DSE – E42	Physical Education– VIII	**DSE –** E167	Physical Education– XIII
DSE – E43	Physical Education– IX	**DSE –** E168	Physical Education– XIV
DSE – E44	Physical Education– X	**DSE –** E169	Physical Education– XV
DSE – E45	Physical Education– XI	**DSE –** E170	Physical Education– XVI
DSE – E46	Military Science– VII	**DSE –** E171	Military Science– XII
DSE – E47	Military Science– VIII	**DSE –** E172	Military Science– XIII
DSE – E48	Military Science– IX	**DSE –** E173	Military Science– XIV
DSE – E49	Military Science– X	**DSE –** E174	Military Science– XV
DSE – E50	Military Science– XI	**DSE –** E175	Military Science– XVI
DSE – E51	NSS – VII	**DSE –** E176	NSS – XII
DSE – E52	NSS– VIII	**DSE –** E177	NSS– XIII
DSE – E53	NSS– IX	**DSE –** E178	NSS– XIV
DSE – E54	NSS– X	**DSE –** E179	NSS– XV
DSE – E55	NSS– XI	**DSE –** E180	NSS– XVI
DSE – E56	Music – VII	**DSE –** E181	Music – XII
DSE – E57	Music – VIII	**DSE –** E182	Music – XIII
DSE – E58	Music – IX	**DSE –** E183	Music – XIV
DSE – E59	Music – X	**DSE –** E184	Music – XV
DSE – E60	Music – XI	**DSE –** E185	Music – XVI
DSE – E61	History – VII	**DSE –** E186	History – XII
DSE – E62	History– VIII	**DSE –** E187	History– XIII
DSE – E63	History–IX	**DSE –** E188	History– XIV
DSE – E64	History– X	**DSE –** E189	History– XV
DSE – E65	History– XI	**DSE –** E190	History– XVI
DSE – E66	Sociology – VII	**DSE –** E191	Sociology – XII
DSE – E67	Sociology– VIII	**DSE –** E192	Sociology– XIII
DSE – E68	Sociology– IX	**DSE –** E193	Sociology– XIV
DSE – E69	Sociology– X	**DSE –** E194	Sociology– XV
DSE – E70	Sociology– XI	**DSE –** E195	Sociology– XVI
DSE – E71	Economics – VII	**DSE –** E196	Economics – XII
DSE – E72	Economics– VIII	**DSE –** E197	Economics– XIII

DSE – E73	Economics– IX	**DSE –** E198	Economics– XIV
DSE – E74	Economics– X	**DSE –** E199	Economics– XV
DSE – E75	Economics– XI	**DSE –** E200	Economics– XVI
DSE – E76	Political Science – VII	**DSE –** E201	Political Science – XII
DSE – E77	Political Science– VIII	**DSE –** E202	Political Science– XIII
DSE – E78	Political Science– IX	**DSE –** E203	Political Science– XIV
DSE – E79	Political Science– X	**DSE –** E204	Political Science– XV
DSE – E80	Political Science– XI	**DSE –** E205	Political Science– XVI
DSE – E81	Philosophy – VII	**DSE –** E206	Philosophy – XII
DSE – E82	Philosophy – VIII	**DSE –** E207	Philosophy – XIII
DSE – E83	Philosophy – IX	**DSE –** E208	Philosophy – XIV
DSE – E84	Philosophy – X	**DSE –** E209	Philosophy – XV
DSE – E85	Philosophy – XI	**DSE –** E210	Philosophy – XVI
DSE – E86	Psychology – VII	**DSE –** E211	Psychology – XII
DSE – E87	Psychology – VIII	**DSE –** E212	Psychology – XIII
DSE – E88	Psychology – IX	**DSE –** E213	Psychology – XIV
DSE – E89	Psychology – X	**DSE –** E214	Psychology – XV
DSE – E90	Psychology – XI	**DSE –** E215	Psychology – XVI
DSE – E91	Social Work– VII	**DSE –** E216	Social Work– XII
DSE – E92	Social Work– VIII	**DSE –** E217	Social Work– XIII
DSE – E93	Social Work– IX	**DSE –** E218	Social Work– XIV
DSE – E94	Social Work– X	**DSE –** E219	Social Work– XV
DSE – E95	Social Work– XI	**DSE –** E220	Social Work– XVI
DSE – E96	AIHC– VII	**DSE –** E221	AIHC– XII
DSE – E97	AIHC– VIII	**DSE –** E222	AIHC– XIII
DSE – E98	AIHC– XI	**DSE –** E223	AIHC– XIV
DSE – E99	AIHC– X	**DSE –** E224	AIHC– XV
DSE – E100	AIHC– XI	**DSE –** E225	AIHC– XVI
DSE – E101	Linguistics – VII	**DSE –** E226	Linguistics– XII
DSE – E102	Linguistics– VIII	**DSE –** E227	Linguistics– XIII
DSE – E103	Linguistics – XI	**DSE –** E228	Linguistics – XIV
DSE – E104	Linguistics – X	**DSE –** E229	Linguistics – XV
DSE – E105	Linguistics – XI	**DSE –** E230	Linguistics – XVI
DSE – E106	Geography – VII	**DSE –** E231	Geography – XII
DSE – E107	Geography– VIII	**DSE –** E232	Geography– XIII
DSE – E108	Geography – XI	**DSE –** E233	Geography – XIV
DSE – E109	Geography – X	**DSE –** E234	Geography – XV
DSE – E110	Geography – XI	**DSE –** E235	Geography – XVI
DSE – E111	Home Science – VII	**DSE –** E236	Home Science – XII

DSE – E112	Home Science– VIII	**DSE –** E237	Home Science– XIII
DSE – E113	Home Science – XI	**DSE –** E238	Home Science – XIV
DSE – E114	Home Science – X	**DSE –** E239	Home Science – XV
DSE – E115	Home Science – XI	**DSE –** E240	Home Science – XVI
DSE – E116	Statistics – VII	**DSE –** E241	Statistics – XII
DSE – E117	Statistics – VIII	**DSE –** E242	Statistics – XIII
DSE – E118	Statistics – XI	**DSE –** E243	Statistics – XIV
DSE – E119	Statistics – X	**DSE –** E244	Statistics – XV
DSE – E120	Statistics – XI	**DSE –** E245	Statistics – XVI
DSE – E121	Education – VII	**DSE –** E246	Education – XII
DSE – E122	Education – VIII	**DSE –** E247	Education – XIII
DSE – E123	Education – XI	**DSE –** E248	Education – XIV
DSE – E124	Education – X	**DSE –** E249	Education – XV
DSE – E125	Education – XI	**DSE –** E250	Education – XVI
DSC – D57	Journalism – VII	**DSC –** D59	Journalism – XII
DSC – D58	Journalism – VIII	**DSC –** D60	Journalism – XIII
DSC – D57	Journalism – IX	**DSC –** D59	Journalism – XIV
DSC – D58	Journalism – X	**DSC –** D60	Journalism – XV
DSC – D57	Journalism – XI	**DSC –** D59	Journalism – XVI

Ordinance:

O. B. A. 1	1. No Candidate shall be allowed to enter upon the B.A. Part-I Course unless he has passed: i) The Higher Secondary School Certificate Examination with English and any other second language and with four optional subjects. OR ii) The Higher Secondary School Certificate Examination with English and any three optional subjects under the stream of Arts and a Vocational Course of 200 marks from the list of Vocational Courses prescribed by the Maharashtra State Board of Higher Secondary Education, Pune. OR iii) The Pre-degree Examination of this University. OR iv) An Examination of any other Statutory University or an examining body recognized as equivalent thereto. OR 2. No candidate shall be admitted to the B.A. Part-I Examination unless he has satisfactorily kept two terms for the course at a College affiliated to this University.
O. B. A. 2	i) No Candidate shall be allowed to enter upon the course for the B.A. Part-II unless he has passed the B.A. Part-I (Semester I & II) examination or an examination of any other Statutory University recognized as equivalent there to. However, a candidate passing in all heads of passing or a candidate passing in all heads of passing except four heads of University (Theory/ Practical) Examination (Sem.-I & II taken together) of this University shall be permitted to enter upon the course of B.A. Part-II. ii) No candidate shall be admitted to B.A. Part-II examination unless he has satisfactorily kept two terms for the same at a College affiliated to this University. This provision shall not be made applicable to those students who have registered for B.A. degree course under distance mode. **(Note :** Internal Examination will be compulsory for all students. If the student fails/absent in internal examination then he/she will have to clear the internal examination in subsequent attempt/s in following semester. There will be a separate head of passing in Internal, Theory and Practical head of passing. However, ATKT rules will be made applicable in respect of Theory/ Practical head of passing only.
O. B. A.3	No candidate shall be allowed to enter upon the course for the B.A. Part-III examination unless he has passed the B. A. II Exam of this University or an examination of any other Statutory University recognized as equivalent thereto. However, those of the candidates who has appeared and passed in all the heads of passing except one or two of the B.A. Part-II after passing the B.A. Part-I, are allowed to proceed to B.A. Part-III. No candidate shall be affiliated to this admitted to the B.A. Part-III examination unless he has satisfactorily kept two terms for the same at a College University.

O. B. A. 4	The Fee for admission to the B.A. Parts-I, II and III Semester Examinations shall be as prescribed by the university from time to time. **Standards of Passing** To pass the B.A. Degree examination, a candidate shall be required to pass in Parts-I, II & III Semester Examinations. **(A)** i) To Pass the B.A. Part-I examination, a candidate shall be required to obtain a minimum of 35% of the total marks in each head of passing. ii) To Pass the B.A. Part-II examination, a candidate shall be required to obtain a minimum of 35% of the total marks in each head of passing. iii) To pass the Third year B.A. Degree (Part-III) examination, a candidate shall be required to obtain a minimum of 35% of the total marks in each head of passing at Parts-I, II & III examinations. **(B)** Those of the successful candidates who obtain 45% or more of the aggregate marks in Parts-I, II & III Semester Examinations, shall be declared to have passed the B.A. Degree examination in Second Class with (Hons.) and those obtaining 60% or more of the aggregate marks in Parts-I, II & III examinations, shall be declared to have passed the B.A. Degree examination in First Class with (Hons.) and those obtaining 70% or more of the aggregate marks in Parts-I, II & III Examinations, shall be declared to have passed the B.A. Degree examination in First Class (Hons.) with Distinction. **(C)** A.T.K.T.: A. candidate passing in all heads of passing or a candidate passing in all heads of passing except four heads of university examination(Theory/ Practical) at Part-I (Sem.-I & II taken together) OR part - II (Sem.-III & IV taken together) examinations will be allowed to keep term in the next class. **However for admission to B.A. Part-III examination or for keeping term for B.A. Part-III examination, a candidate shall have to pass in all heads of passing of B.A. Part-I (Sem. I & II) examination.** **(D)** A Candidate who has passed in any of the heads of passing shall not be allowed to appear again in that head. **(E)** 'Practical' will be a separate head of passing. **(Note :** Internal Examination will be compulsory for all students. If the student fails/absent in internal examination then he/she will have to clear the internal examination in subsequent attempt/s in following semester. There will be a separate head of passing in Theory, internal and Practical However, ATKT rules shall be made applicable in respect of Theory/ Practical head of passing only.)

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A' Grade
CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - I

Political Science

(Syllabus to be implemented from June, 2018 onwards.)

CHOICE BASED CREDIT SYSTEM
SYLLABUS
B.A.I Political Science
Discipline Specific Course (B4)
DSC (B4) Paper-I --Introduction to Political Science
Sem-I

Sr. No.	Topic No. and Title of the Topic	Teaching Hours	Credits
1.	**Topic I- Introduction to Political Science** a) Meaning, Definition, Nature, and Scope b) Difference Between Political Science and Politics c) Importance of Political Science	15	01
2.	**Topic II- Introduction to Sub-disciplines of Political Science** a) Political Theory: Meaning, Nature and Scope b) Political Process: Meaning, Nature and Scope c) Public Administration: Meaning, Nature and Scope d) International Politics: Meaning, Nature and Scope	15	01
3.	**Topic III-State and Democracy** a) State : Meaning, Definition, Organs of State b) Democracy: Meaning, Types(Direct and Indirect or Representative Democracy), Features of Democracy c) Democracy: Importance and Challenges before Democracy	15	01
4.	**Topic IV- Key Concepts of Political Science** a) Rights: Meaning, and Types b) Liberty: Meaning, and Types c) Equality: Meaning, and Types d) Justice: Meaning, and Types	15	01

Reading Book List

Sr. No	Name of Book	Author	Publications
1	What is Political Theory Political Theory – an Introduction	Bhargav .R. 2008	Pearson Longman New Delhi
2	'Liberty'	Sriranjani .V. 2008	Pearson Longman New Delhi
3	राजकीय सिद्धांताची मुलतत्त्वे	प्रा.बी.बी.पाटील प्रा.सौ.उर्मिला चव्हाण	फडके प्रकाशन, जुलै 2003
4	राज्यशास्त्रातील मुलभूत संकल्पना	प्रा.बी.बी.पाटील प्रा.सौ.उर्मिला चव्हाण	फडके प्रकाशन, जून2014
5	राजकीय सिद्धांत	प्रा.ज.रा.शिंदे प्रा.ए.डी.शेळके	कैलास प्रकाशन, जून 1991
6	आधुनिक राजकीय विश्लेषण	दि.का.गर्दे वि.मा.बाचळ	कॉन्टिनेंटल प्रकाशन 1979
7	आधुनिक राजकीय विश्लेषण	प्रा.चि.ग.घांगरेकर	विद्या प्रकाशन, रूईकर रोड, नागपूर, 1991
8	Political Science	B.K. Gokhale	A.R.Sheth & Co.,Mumbai
9	Principles of Political Science	A.C. Kapoor	Premier Publication
10	A Theory of Justice	Rawls John	Oxford, New Delhi

B.A.I Political Science
Discipline Specific Course (B18)
DSC (B18) Paper-II --Indian Constitution
Sem-II

Sr. No.	Topic No. and Title of the Topic	Teaching Hours	Credits
1.	**Topic I- Introduction to Indian Constitution** a) Historical Background of Indian Constitution (Acts of 1909,1919,1935) b) Making of Indian Constitution :Constituent Assembly c) Basic Features of Indian Constitution	15	01
2.	**Topic II- Philosophy of Indian Constitution** a) Preamble b) Fundamental Rights c) Directive Principles of State Policy and Fundamental Duties	15	01
3.	**Topic III- Legislature and Executive in Indian Constitution** a) Parliament b) Prime Minister and his Cabinet c) President	15	01
4.	**Topic IV- Judiciary** a) Supreme Court: Composition, Powers and Functions b) Judicial Review	15	01

Reading Book List

Sr.No.	Name of Book	Author	Publication
1	Introduction to Indian Constitution	D.D.Basu	Lexis Nexis
2	Indian Polity	M.Laxmikanth	McGraw Hill Education,New Delhi
3	Governments & Politics	Dwllon Micheal	Routledge New York
4	Indian Government & Politics	Abbas H. Kumar	Pearson New Delhi 2011
5	Contemporary India	Chandhoke N. Priyadarshi	Pearson New Delhi 2011
6	India after Indepedence	Chandra D. Mukharji	Penguin New Delhi
7	Indian Politics- Contemporary issue and Concerns	Sing m.p & Saxena R	PHI-New Delhi
8	भारताचे शासन व राजकारण	भोळे देशपांडे	पायल प्रकाशन नागपूर 1974
9	भारतीय शासन व राजकारण	एस.एन. नवलगुंदकर	नरेंद्र प्रकाशन पुणे जुलै 1977
10	भारतीय शासन	प्रा.बी.बी. पाटील, प्रा.उर्मिला चव्हाण	फडके प्रकाषन जुलै 2013
11	भारतीय प्रशासन	डॉ.पा.श्री. घारे	महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ गो.य. राने 1973
12	भारतीय शासन व प्रशासन	डॉ.प.ल.जोशी, डॉ.दवे	विद्या प्रकाशन नागपूर 1991
13	भारतीय प्रशासनाची रूपरेषा	प्रा. रमेश चौधरी	राधेय प्रकाशन नागपूर 1977

Shivaji University, Kolhapur

Revised Syllabus For

B.A. Part - I

POLITICAL SCIENCE

(Revised Syllabus according to NEP, 2020 to be implemented from June, 2022 onwards.)

Political Science

B.A.I
Course Structure
Revised from June, 2022

B.A. Part - I : Political Science

Sr. No	Semester	Subject Code	Title of the Paper
1	**I**	POL-I	Introduction to Political Science
2	**II**	POL-II	Indian Constitution

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EQUIVALENCE

Political Science
B.A. I
Political Science
From June, 2022 Onwards

Sr. No.	Semester	Paper No.Title of the Paper Old	Equivalence Paper No. &Title of the Course (New)
1	**I**	**I--Introduction to Political Science**	**I--Introduction to Political Science**
2	**II**	**II--Indian Constitution**	**II--Indian Constitution**

Revised Syllabus for
B. A. Part I Semester I
Political Science
From June, 2022 Onwards
POL-I -- Introduction to Political Science

Course Outcomes: The student will able to
CO – 1 Acquire domain Knowledge
CO – 2 Understand importance of Political Science
CO – 3 Understand sub disciplines of Political Science
CO – 4 Understand Concept of State and Democracy
CO – 5 Understand Key Concepts of Political Science

Unit	Topic	
Unit 1	**Unit 1 - Introduction to Political Science** 1.1 Meaning, Definition, Nature, and Scope 1.2 Difference Between Political Science and Politics 1.3 Importance of Political Science	
Unit 2	**Unit 2- Introduction to Sub-disciplines of Political Science** 2.1 Political Theory: Meaning, Nature and Scope 2.2 Public Administration: Meaning, Nature and Scope 2.3 International Politics: Meaning, Nature and Scope	
Unit 3	**Unit 3- State and Democracy** 3.1 State : Meaning, Definition, Organs of State 3.2 Democracy: Meaning, Types(Direct and Indirect or Representative Democracy), Features of Democracy 3.3 Challenges before Democracy	
Unit 4	**Unit 4- Key Concepts of Political Science** 4.1 Liberty: Meaning, and Types 4.2 Equality: Meaning, and Types 4.3 Justice: Meaning, and Types	

Reference Books:

1. Bhargav and Acharya, 2015, Political Theory An Introduction, New Delhi, Pearson
2. Kapoor A.C., (1997), Principles of Political Science, Premier Publication
3. Goodwin Barbara, 2004, Using Political Ideas, Chichester, John Wiley & Sons.
4. Hampton Jean, 1998, Political Philosophy, New Delhi, Oxford University Press.
5. Kulkarni Mangesh (ed.), 2011, Interdisciplinary Perspectives in Political Theory, New
6. Knowles Dudley, 2001, Political Philosophy, London, Routledge.
7. Pierson Christopher, 2004, The Modern State, London, Routledge.
8. Gokhale, B.K., (1964), Political Science, A.R.Sheth & Co.,Mumbai Publication.
9. भार्गव आणि आचार्य (२०१५), राजकीय सिंद्धांत परिचय, नवी दिल्ली, पिअर्सन पब्लिकेशन
10. भोळे, भा. ल., (२०१४), राजकीय सिद्धांत आणि विश्लेषण, नागपूर, पिंपळापुरे प्रकाशन
11. जाधव तुकाराम (२०१२), राजकीय सिद्धांत परिचय, पुणे, के सागर पब्लिकेशन

12. **शिंदे, ज. रा. प्रा. ए. डी. शेळके, (१९९१), राजकीय सिद्धांत, कैलास प्रकाशन,**

13. **गर्दे, दि.का., बाचल वि.मा., (१९७९) आधुनिक राजकीय विश्लेषण, कॉन्टिनेन्टल प्रकाशन**

14. **घांगरेकर, चि. ग.,** (1991) **आधुनिक राजकीय विश्लेषण, विद्या प्रकाशन, रुईकर रोड, नागपूर**

Journals: Studies in Indian Politics, Economic and Political Weekly (EPW), समाजवादी प्रबोधन पत्रिका, कोल्हापूर, नवभारत, साधना

Additional Readings: Wikipedia, Marathi Vishwakosh

Revised Syllabus for
B. A. Part I Semester II
Political Science
June, 2022 onwards
POL-II --Indian Constitution

Course Outcomes:

CO1- The students will get knowledge about making and philosophy of Indian Constitution

CO2- The students will become aware about Fundamental Rights

CO 3 - The students will become aware about Directive Principles and Fundamental Duties

CO4- The students will understand about working of Legislature, Executive and Judiciary

CO5- The students will understand about working and role of Judiciary

Unit	Topic	
Unit 1	**Unit 1 Making of Indian Constitution** **1.1** Historical Background of Indian Constitution –Major Acts of 1909,1919, 1935 **1.2**: Cabinet Mission, **1.3** Constituent Assembly **1.4** Basic Features of Indian Constitution	
Unit 2	**Unit 2: Philosophy of Indian Constitution** **2.1** Preamble **2.2** Fundamental Rights **2.3** Directive Principles of State Policy **2.4** Fundamental Duties	
Unit 3	**Unit 3: Legislature and Executive** **3.1** LokSabha : Composition, Powers &Functions **3.2** RajyaSabha : Composition, Powers & Functions **3.3** Prime Minister and Council of Ministers: Powers & Functions **3.4** President : Election, Powers & Functions	

Unit 4	**Unit 4 : Judiciary** **4.1** Supreme Court: Composition, Powers and Functions **4.2** Judicial Review **4.3** Independence of Judiciary	

Reference Books:

1. Abbas H. Kumar,2011, Indian Government & Politics Pearson, New Delhi
2. Austin Granville, (2001), The Indian Constitution-Cornerstone of a Nation, Oxford, New Delhi.
3. Basu D.D.,2018,Introduction to the Constitution of India, 23rdEdition,LexisNexis,Nagpur
4. Chandhoke N. Priyadarshi, 2011,Contemporary India Pearson New Delhi
5. Gupta, D.C.(1994) Indian Government and Politics, Vikas ,New Delhi.
6. Josh P.L.,& Dave, (1991), BharatiyShashanaaniPrashan, Vidya, Nagpur.
7. M. Laxmikanth ,2016,Indian Polity,5th Edition, McGraw Hill Education, New Delhi
8. साठे, सत्यरंजन, (२००२), भारताच्या राज्यघटनेची पन्नास वर्षे, कॉन्टिनेन्टल, पुणे
9. भोळे, देशपांडे (1974) भारताचे शासन व राजकारण, पायल प्रकाशन, नागपूर
10. भोळे भा. ल., (2015), भारतीय गणराज्याचे शासन व राजकारण, पिंपळापुरे प्रकाशन, नागपुर,
11. नवलगुंदकर एस.एन., (1977), भारतीय शासन व राजकारण, नरेंद्र प्रकाशन पुणे
12. घारे, पा.श्री., (1973) भारतीय प्रशासन, महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ
13. जोशी, प.ल., (1991), डॉ.दवे, भारतीय शासन व प्रशासन, विद्या प्रकाशन नागपूर
14. चौधरी, रमेश, (1977), भारतीय प्रशासनाची रूपरेषा, राधेय प्रकाशन नागपूर
15. जाधव तुकाराम व शिरपूरकर महेश , (2015),भारतीय राज्यघटना व घटनात्मक प्रक्रिया, भाग 1 आणि भाग २ , पुणे,दि युनिक अकाडमी

Journals: Studies in Indian Politics, Economic and Political Weekly (EPW), समाजवादी प्रबोधन पत्रिका, कोल्हापूर, नवभारत, साधना

Additional Readings: Wikipedia, Marathi Vishwakosh

Estd. 1962
"A++" Accredited by NAAC (2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Ref. No./SU/BOS/Humanities/541 Date :19/07/2023

To,
The Principal,
All Concerenced Affiliated Colleges/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. A. Part II (sem. III & IV) degree programme under the Faculty of Humanities as per National Education Policy, 2020 (NEP)

Sir/Madam,

With reference to the subject mentioned above I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi, equivalence and nature of question paper of B. A. Part II (Sem. III & IV) under the Faculty of Humanities as per National Education Policy, 2020. (NEP)

English (Comp.)	English (Opt.)	Linguistics (I.D.S.)	Sanskrit	Kannada
Business Administration	Marathi	Ardhamagadhi	Hindi	Urdu
S.P. & Comm. Corresp.	Sociology	Political Science	Psychology	Economics
Industrial Psychology	Geography	Human Development	Philosophy	History
Defence Study (Entire)				

This syllabi shall be implemented from the academic year 2023-24 onwards . A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

For students of Distance Education this syllabi be implemented from the academic yerar 2023-24.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully

Encl : As above

(Dr. S. M. Kubal)
Dy. Registrar

Copy to, For Information and necessary action.

Dean, Faculty of Humanities.	Computer Center/I. T. Cell.
Chairman, B.O.S./Ad-hoc oard under faculty of Humanities.	Eligibility Section.
Director, Board of Examinations & Evaluation	P. G. Seminar Section.
Appointment Section A & B	Distance Education Section.
B. A. Exam. Section.	Affiliation Section (T. 1 & T 2)
P. G. Admission Section.	

SHIVAJI UNIVERSITY, KOLHAPUR

Revised Syllabus For

Bachelor of Arts (B. A. POLITICAL SCIENCE)

Faculty of Humanities B. A. Part - II (Sem. III and IV)

CBCS based Syllabus to be implemented from June 2019 onwards.

Equivalence Table

Paper	Old Syllabus		New Syllabus
B.A. Part- II Semester III			
Paper-III	Basic Concepts in Political Science	**DSC D7 Paper-III**	Political Process in India
Paper-IV	Ancient Indian Political Thought	**DSC D8 Paper-IV**	Indian Political Thought Part -I
IDS Paper-I	Public Administration	**CGE Paper I**	Public Administration
Paper	**Old Syllabus**		**New Syllabus**
B.A. Part- II Semester IV			
Paper-V	Local Self Government and Movements in Maharashtra	**DSC D35 Paper-V**	Local Self Government in Maharashtra
Paper-VI	Modern Indian Political Thought	**DSC D36 Paper-VI**	Indian Political Thought Part -II
IDS Paper-II	Public Administration	**CGE Paper II**	Public Administration

Course Structure for B.A.II Political Science

B.A.II

Sr. No.	Semester	Name of the Course	Discipline Specific Elective
1.	III	Political Process in India - III	Political Science Course - III
		Indian Political Thought Part I - IV	Political Science Course - IV
		Public Administration - I	Compulsory Generic Elective - I
2.	IV	Local Self Government in Maharashtra - V	Political Science Course - V
		Indian Political Thought Part II - VI	Political Science Course - VI
		Public Administration - II	Compulsory Generic Elective - II

CHOICE BASED CREDIT SYSTEM
SYLLABI AND READING LIST
B.A.II Political Science
Semester III
Discipline Specific Course (D7)
DSC (D7) Paper-III Political Process in India

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Indian Federalism** a) Nature & Characteristics of Indian Federalism b) Centre-State Relations : Legislative, Administrative, Financial c) Changing nature of federal System	15	01
2.	**Unit 2: Electoral Process in India** a) Election Commission : Composition and Functions b) Review of Selected General Election1952, 1977, 1989, 2014 c) Electoral Reforms - Corruption and Criminalization of Electoral Politics	15	01
3.	**Unit 3: Party System of India** a) Nature and Changing Pattern of Party System b) Selected National Political Parties: Indian National Congress, Bhartiya Janata Party, Communist Parties (CPM, CPI),Bahujan Samajwadi Party(BSP) c) Rise and Role of Regional Parties	15	01
4.	**Unit 4: Issues in Indian Politics** a) Caste and Politics of Identity b) Religion and Politics of Communalism c) Regionalism & Challenges before Development	15	01

References

1) Basu D. D., Introduction to Indian Constitution, Lexis Nexis (Pub.)
2) Laxmikanth M., Indian Polity, Mc Graw Hill Education, New Delhi.
3) Dasarathy Bhuyan, 2016, Political Process in India, Cattack Kitab Mandal
4) Appadorai, A. (2005). *The Substance of Politics*. N. Delhi: 2005.
5) Austin, Granville (1966). *Indian Constitution: A Cornerstone of a Nation*. N. Delhi: OUP.
6) Bandyopadhyay, Sekhar (2004). *From Plassey to Partition and After: A History of Modern India.* N. Delhi: Orient BlackSwan.
7) Badrinarayan (2011). *The Making of The Dalit Public in North India: Uttar Pradesh 1950-* Present. N. Delhi: OUP.
8) Chatterjee, Parth (2010). *Empire and Nation. Essential Writings (1985-2005)*. N. Delhi:Permanent Black.
9) Constituent Assembly Debates, Volumes I, II, and III. (Available in ILU Library).
10) Dhavan, Rajeev (2008). *Reserved! How Parliament Debated Reservations* 1995-2007. N. Delhi: Rupa & Company.
11) Ganguly, Sumit, Larry Diamond & Marc F. Plattner (eds.). (2007). *The State of India's Democracy*. Baltimore: The John Hopkins University Press.
12) Guaba, O.P. (2008). *An Introduction to Political Theory.* N. Delhi: Macmillan India Limited.Fourth Edition.
13) Gudavathy, Ajay. (2013). *Politics of Post-Civil Society: Contemporary History of Political Movements in India*. N. Delhi: Sage.
14) Guru, Gopal & Sundar Surakkai. (2006). *The Cracked Mirror*. N. Delhi: OUP.
15) Hasan, Zoya, E. Shridharan & R. Sudarshan (eds.) (2002). *India's Living Constitution: Ideas,*
16) भोले भा. ल., भारताचे गणराज्याचे शासन,
17) जोशी प. ल. भारतीय संविधान शासन आणि राजकारण, विद्या प्रकाशन नागपुर
18) बी. बी. पाटील & उर्मिला चव्हाण, भारतातील राजकीय प्रक्रिया , फडके प्रकाशन, कोल्हापूर.

CHOICE BASED CREDIT SYSTEM
B.A.II Political Science
Semester III
Discipline Specific Course (D8)
DSC (D8) Paper-IV Indian Political Thought Part -I

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Kautilya** a) Nature of State - Saptang Theory b) King and His Administration, Council of Ministers c) Mandal Theory & Shadgunya Theory	15	01
2.	**Unit 2: Mahatma Phule** a) Theory of State – Concept of Balirajya b) Religion – Critique on Brahmanism c) Satyashodhak Samaj & it's Revolutionary Thought	15	01
3.	**Unit 3: Justice M. G. Ranade** a) Political Liberalism b) Thoughts on Social Reforms c) Economic Ideas	15	01
4.	**Unit 4: B. G. Tilak** a) Cultural Nationalism b) Concept on Swarajya (Four Fold Program) c) Right to Resist (Pratiyogita Sahakarita	15	01

Reference Books:

- Altekar A.S., State and Government in India, Motilal Banarasidas , Delhi,1958
- Chakrabarty Bidyut & Pandey R.K., Modern Indian Thought, Sage, 2009
- Deshpande G.P. (ed.), *'Introduction', Selected Writings of Jotirao Phule* , Leftword: New Delhi,2002
- Jayswal K.P. Hindu Polity: A Constitutional History of India in Hindu Times, Butterwort, Calcutta, 1924
- Kangale R.P. , Arthshastra of Kautilya , Motilal Banarasidas , Delhi,1965
- Omvedt Gail, Dalit Visions: *The Anti Caste Movement and the Construction of an Indian Identity,* Orient Longman Pvt. Ltd., 2006

- Pantham Thomas & Deutsch (ed.), Political Thought in Modern India,Sage, 1986
- Singh, M.P., Indian Political Thought- Themes and Thinkers, Pearson, New Delhi,2011
- Verma V.P., Studies in Hindu political Thought and its Metaphysical Foundations , Delhi,1954
- कीर धनंजय, महात्मा फुले समग्र वाडमय, महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ, मुंबई १९८८
- चौसाळकर अशोक, प्राचीन भारतीय राजकीय विचार: प्रवाह व अंत:प्रवाह, प्रतिमा प्रकाशन, पुणे,२०११.
- डोळे ना. य., भारतीय राजकीय विचारवंत , विद्या पब्लिशर्स , औरंगाबाद,१९९९
- भोळे भा.ल., आधुनिक भारतीय राजकीय विचार ,पिंपलापुरे, नागपूर ,२००३
- चव्हाण, रा. ना., महात्मा फुले यांचा शोध व बोध, चव्हाण प्रतिष्ठान पुणे.
- चव्हाण, रा. ना., महात्मा फुले यांचे नवदर्शन – एक तौलनिक अभ्यास, चव्हाण प्रतिष्ठान पुणे.
- चव्हाण, रा. ना., महात्मा फुले, सत्यशोधक समाज, चव्हाण प्रतिष्ठान पुणे.
- चव्हाण, रा. ना., महात्मा जोतीराव फुलेकृत सार्वजनिक सत्यधर्म (पुस्तक सार)
- बाचल वि. मा. भारतीय राजकीय विचारवंत, के सागर पब्लिकेशन्स, 2006.
- काणे प. सी., राजकीय सिद्धांत आणि राजकीय विचार, पिंपळापुरे आणि कंपनी पब्लिशर्स, नागपूर, २०००.
- बी. बी. पाटील & उर्मिला चव्हाण, आधुनिक भारतीय राजकीय विचार , फडके प्रकाशन, कोल्हापूर

CHOICE BASED CREDIT SYSTEM
B.A.II Political Science
Semester III
Compulsory Generic Elective - I
CGE Paper-I Public Administration

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Public Administration** a) Meaning, Definition and Nature b) Scope and Importance c) Public Administration and Private Administration	15	01
2.	**Unit 2: Organization** a) Meaning, Definition and Bases b) Principles : Hierarchy, Coordination, Span of Control, Centralization and Decentralization c) Units: Line and Staff.	15	01
3.	**Unit 3: Public Corporations** a) Meaning and Characteristics b) Control over Public Corporations c) Challenges of Privatization	15	01
4.	**Unit 4: Changing Perspectives in Public Administration** a) Development Administration b) Public Choice Approach c) New Public Management	15	01

Recommended Books

1. Dr.Sharma M. P. : Public Administration in theory and practice, Kitab Mahal, Allahabad.
2. Dr.Avasthi A.; Dr.Maheshwari S., Public Administration, Lakshmi Narain Agrawal,Agra.6
3. Basu R.,Public Administration - Concept and Theories, Sterling Publisher Pvt.Ltd.,New Delhi.

4. White L. D. : Introduction to the study of public administration
5. Bhattacharya M., Restructuring of Public Administration,
Jawahar Publishers, New Delhi.
6 इनामदार ना. र., लोकप्रशासन
7. गर्दे दि. का., लोकप्रशासन तत्त्व व तंत्र
8. प्रा. बी. बी. पाटीलए लोकप्रशासन, फडके प्रकाशन, कोल्हापूर.
9. व्हा. भा. पाटील, लोकप्रशासन,
10. डॉ. पारस बोरा, प्रा. शाम शिरसाट, लोकप्रशासनशास्त्र, ज्ञानसमिधा पब्लिशिंग वर्ल्ड, औरंगाबाद.

CHOICE BASED CREDIT SYSTEM
B.A.II Political Science
Semester IV
Discipline Specific Course (D35)
DSC (D35) Paper-V Local Self Government in Maharashtra

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Historical Background of Local Self Government** a) Community Development Program b) Balawantrai Mehata Committee c) Vasantrao Naik, L. N. Bongirwar, P. B. Patil Committee	15	01
2.	**Unit 2: Rural Local Self Government** a) Gram Panchayat b) Panchayat Samiti c) Zilla Parishad	15	01
3.	**Unit 3: Urban Local Self Government** a) Municipal Council b) Municipal Corporation	15	01
4.	**Unit 4: Constitutional Amendments & Challenges** a) 73rd Constitutional Amendment Importance & Features b) 74th Constitutional Amendment Importance & Features c) Challenges before local self Government	15	01

Reference Books:

- **Maheshwari S.R. - Local Government in India, 2004**
- **Gadkari S.S. - Organization of the State Government in Maharashtra, 1965**
- **Bhat K.S. - Panchayat Raj Administration in Maharashtra, 1974**
- **Government of Maharashtra - Maharashtra Zilla Parishads and Panchayats Act.1961**
- **Government of Maharashtra – Municipal Act,1965**
- **पाटील पी. बी., पंचायत राज्याकडून ग्राम स्वराज्याकडे, समाजवादी प्रबोधिनी, इचलकरंजी**
- **शिरसाठ शाम, भारतीय स्थानिक स्वशासन, विद्या बुक्स, औरंगाबाद, २०१०**

- **पाटील शिवाजी आणि लोंढे प्रदीप, महाराष्ट्रातील पंचायतराज व पोलीस प्रशासन, प्ररूप प्रकाशन, कोल्हापूर,२०१६**
- **यमलवाड वसंत, महाराष्ट्रातील, कल्पना प्रकाशन, नांदेड १९९९**
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CHOICE BASED CREDIT SYSTEM
B.A.II Political Science
Semester IV
Discipline Specific Course (D36)
DSC (D36) Paper-VI Indian Political Thought Part -II

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: M. K. Gandhi** a) Satya, Ahimsa, Satyagraha b) Concept of Swaraj – Ramrajya & Trusteeship c) Theory of Gandhi's concept of Religion	15	01
2.	**Unit 2: Jawaharlal Nehru** a) Democratic Socialism b) Composite Nationalism & Secularism c) Panchsheel & Non-Alignment	15	01
3.	**Unit 3: Dr. B. R. Ambedkar** a) Critique of Caste System b) Social and Parliamentary Democracy c) State Socialism	15	01
4.	**Unit 4: M. N. Roy** a) Views on Marxism b) Radical Democracy c) New Humanism	15	01

Reference Books:

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- Chakrabarty Bidyut & Pandey R.K., Modern Indian Political Thought, Sage, 2009
- Pantham Thomas & Deutsch (ed.), Political Thought in Modern India,Sage, 1986
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- चव्हाण, रा. ना., डॉ. बाबासाहेब आंबेडकर यांचा शोध व बोध, चव्हाण प्रतिष्ठान पुणे.
- चव्हाण, रा. ना., डॉ. बाबासाहेब आंबेडकर दलित चळवळ एक मागोवा, चव्हाण प्रतिष्ठान पुणे.
- बी. बी. पाटील & उर्मिला चव्हाण, आधुनिक भारतीय राजकीय विचार, फडके प्रकाशन, कोल्हापूर

CHOICE BASED CREDIT SYSTEM
B.A.II Political Science
Semester IV
Compulsory Generic Elective - II
CGE Paper-II Public Administration

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Personnel Administration** a) Meaning, Definitions and Importance b) Recruitment, Training and Promotion c) Political Neutrality of Civil Servants	15	01
2.	**Unit 2: Financial Administration in India** a) Meaning, Definitions and Importance of Budget b) Preparation, Enactment and Execution of the Budget c) Financial committees – Public Accounts Committee, Estimates Committee, Public Undertakings Committee.	15	01
3.	**Unit 3: Delegated Legislation** a) Meaning, Definition and Causes of its growth b) Merits and Demerits d) Safeguards against Delegated Legislation	15	01
4.	**Unit 4: New Trends in Public Administration** a) E-Governance b) Right to Information c) Peoples participation	15	01

Recommended Books

1. Dr.Sharma M. P. : Public Administration in theory and practice, Kitab Mahal, Allahabad.
2. Dr.Avasthi A.; Dr.Maheshwari S., Public Administration, Lakshmi Narain Agrawal,Agra.6
3. Basu R.,Public Administration - Concept and Theories, Sterling Publisher Pvt.Ltd.,New Delhi.
4. White L. D. : Introduction to the study of public administration
5. Bhattacharya M., Restructuring of Public Administration, Jawahar Publishers, New Delhi.
6. इनामदार ना. र., लोकप्रशासन
7. गर्दे दि. का. लोकप्रशासन तत्त्व व तंत्र
8. प्रा. बी. बी. पाटील लोकप्रशासन, फडके प्रकाशन, कोल्हापूर.
9. व्हा. भा. पाटील, लोकप्रशासन,
10. डॉ. पारस बोरा, प्रा. शाम शिरसाट, लोकप्रशासनशास्त्र, ज्ञानसमिधा पब्लिशिंग वर्ल्ड, औरंगाबाद.

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With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Ref. No./SU/BOS/Humanities/541 Date :19/07/2023

To,
The Principal,
All Concerenced Affiliated Colleges/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. A. Part II (sem. III & IV) degree programme under the Faculty of Humanities as per National Education Policy, 2020 (NEP)

Sir/Madam,

With reference to the subject mentioned above I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi, equivalence and nature of question paper of B. A. Part II (Sem. III & IV) under the Faculty of Humanities as per National Education Policy, 2020. (NEP)

English (Comp.)	English (Opt.)	Linguistics (I.D.S.)	Sanskrit	Kannada
Business Administration	Marathi	Ardhamagadhi	Hindi	Urdu
S.P. & Comm. Corresp.	Sociology	Political Science	Psychology	Economics
Industrial Psychology	Geography	Human Development	Philosophy	History
Defence Study (Entire)				

This syllabi shall be implemented from the academic year 2023-24 onwards . A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

For students of Distance Education this syllabi be implemented from the academic yerar 2023-24.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully

Encl : As above

(Dr. S. M. Kubal)
Dy. Registrar

Copy to, For Information and necessary action.

Dean, Faculty of Humanities.	Computer Center/I. T. Cell.
Chairman, B.O.S./Ad-hoc oard under faculty of Humanities.	Eligibility Section.
Director, Board of Examinations & Evaluation	P. G. Seminar Section.
Appointment Section A & B	Distance Education Section.
B. A. Exam. Section.	Affiliation Section (T. 1 & T 2)
P. G. Admission Section.	

SHIVAJIUNIVERSITY,KOLHAPUR

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CHOICE BASED CREDIT SYSTEM

Revised Syllabus in accordance with NEP-2020

B. A. Part-II

(Sem. III and IV)

POLITICAL SCIENCE

Faculty of Humanities

Revised Syllabus to be implemented from June, 2023 onwards.

EQUIVALENCE TABLE

Paper	Old Syllabus		New Syllabus
B. A. Part-II Semester III			
Paper-III	Political Process In India	**DSCD7Paper-III**	Political Process In India
Paper-IV	Indian Political Thought Part-I	**DSCD8Paper-IV**	Indian Political Thought Part-I
IDS Paper-I	Public Administration	**CGE Paper I**	Public Administration
Paper	**Old Syllabus**		**New Syllabus**
B. A. Part-II Semester IV			
Paper-V	Local Self Government in Maharashtra	**DSCD35Paper-V**	Local Self Government in Maharashtra
Paper-VI	Indian Political Thought Part-II	**DSCD36Paper-VI**	Indian Political Thought Part-II
IDS Paper-II	Public Administration	**CGE Paper II**	Public Administration

Course Structure for B.A.II
Political Science

Sr. No.	Semester	Name of the Course	Discipline Specific Elective
1.	III	Political Process in India- III	Political Science Course-III
		Indian Political Thought Part I- IV	Political Science Course - IV
		Public Administration - I	Compulsory Generic Elective-I
2.	IV	Local Self Government in Maharashtra-V	Political Science Course - V
		Indian Political Thought Part II - VI	Political Science Course - VI
		Public Administration - II	Compulsory Generic Elective-II

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science -Semester III

Discipline Specific Course (D7)

DSC (D7) Paper-III Political Process in India

Course Outcome:

1) Imparting knowledge of Political Process in India.
2) Understanding of approaches in Political Process of India.
3) Understand Voting Behaviour.
4) Getting knowledge about Election Commission, Party System, Communalism, Regionalism and Language.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1 :Indian Federalism** (a) Nature & Characteristics of Indian Federalism (b) Centre-State Relations: Legislative, Administrative, Financial (c) Changing nature of Federal System	15	01
2.	**Unit II : Elections and Electoral Process** (a) Election Commission of India: Composition and Functions (b) Electoral Reforms (c) Electoral Process, Representation and Social Determinants of Voting Behaviour.	15	01
3.	**Unit III : Political Parties and Party System** (a) Nature and Changing Pattern of Party System (b) Selected National Political Parties: Indian National Congress, Bhartiya Janata Party, Communist Parties (CPM, CPI), Bahujan Samaj Party (BSP) Aam Adami Party (AAP) (c) Rise and Role of Regional Parties	15	01
4.	**Unit IV :Challenges before India Democracy** (a) Communalism (b) Regionalism (c) Language	15	01

Reference books:

1. Basu D. D., Introduction to Indian Constitution, Lexis Nexis (Pub.)
2. Laxmikanth M., Indian Polity, McGraw Hill Education, New Delhi.
3. Dasarathy Bhuyan, 2016, Political Process in India, Cattack Kitab Mandal
4. Appadorai, A. (2005). The Substance of Politics. N. Delhi: 2005.
5. Austin, Granville (1966). Indian Constitution: A Cornerstone of a Nation. N. Delhi: OUP.
6. Bandyopadhyay, Sekhar (2004). From Plassey to Partition and After: A History of Modern India. N. Delhi: Orient Black Swan.
7. Badrinarayan (2011). The Making of The Dalit Public in North India: Uttar Pradesh 1950- Present. N. Delhi: OUP.
8. Chatterjee, Parth (2010). Empire and Nation. Essential Writings (1985- 2005). N. Delhi: Permanent Black.
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10. Dhavan, Rajeev (2008). Reserved! How Parliament Debated Reservations 1995-2007. N. Delhi: Rupa& Company.
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23. भोळे भा. ल. भारताचे गणराज्याचे शासन, पिंपळापुरे, नागपुर. २००३
24. जोशी प. ल. भारतीय संविधान शासन आणि राजकारण, विद्या प्रकाशन, नागपुर
25. बी. बी. पाटील & उर्मिला चव्हाण, भारतातील राजकीय प्रक्रिया, फडके प्रकाशन, कोल्हापूर.

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science - Semester III

Discipline Specific Course (D8)

DSC (D8) Paper-IV Indian Political Thought Part –I

Course outcomes:

The student will able to-

1) Understand the historical development of Indian Political Thoughts.
2) Understand the relevance of ancient ideas with present time.
3) Understand the trajectory of ideas on key Political questions and institutions of ancient Indian as developed by Kautilya.
4) Understand renaissance and reformation in India and the role of Mahatma Phule and Rajarshi Shahu Chhatrapati in it.
5) Understand the ideas of nationalism of Lokmanya Tilak.

Sr. No	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit1:Kautilya** a) Nature of State-Saptang Theory b) King and His Administration, Council of Ministers c) Mandal Theory & Shadgunya Theory	15	01
2.	**Unit2:Mahatma Phule** a) Theory of State – Concept of Balirajya b) Religion – Critique on Brahmanism c) Satyashodhak Samaj and Revolutionary Thoughts of Satyashodhak Samaj	15	01
3.	**Unit3:Rajarshi Shahu Chhatrapati** a) Political Thought b) Thoughts on Social Justice c) Thought on Women	15	01
4.	**Unit4:Lokmanya B. G. Tilak** a) Cultural Nationalism b) Concept on Swarajya (Four Fold Program) c) Right to Resist (Pratiyogita Sahakarita)	15	01

Reference Books:

- Altekar A.S., State and Government in India, MotilalBanarasidas , Delhi,1958
- ChakrabartyBidyut&Pandey R.K., Modern Indian Thought, Sage, 2009
- Deshpande G.P. (ed.), 'Introduction', Selected Writings of JotiraoPhule , Leftword: New Delhi,2002
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- चौसाळकर अशोक, प्राचीन भारतीय राजकीय विचार, प्रवाह व अंत:प्रवाह, प्रतिमा प्रकाशन पुणे२०११
- डोळे न.य. भारतीय राजकीय विचारवंत, विद्या पुब्लिशर्स. औरंगाबाद,१९१९
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- चव्हाण,रा.ना.,महात्मा फुले यांचे नवदर्शन,एक तौलनिक अभ्यास,चव्हाण प्रतिष्ठान पुणे .
- चव्हाण, रा.ना., महात्मा फुले, सत्यशोधक समाज, चव्हाण प्रतिष्ठान पुणे.
- चव्हाण, रा.ना., महात्मा जोतीराव फुलेकृत सार्वजनिक सत्यधर्म (पुस्तक सार).
- बाचल वी.मा. भारतीय राजकीय विचारवंत, के सागर पुब्लिकेशन्स २००६
- काणे प. सी., राजकीय सिद्धान्त आणि राजकीय विचार, पिंपळापुरे आणि कंपनी पुब्लिशर्स, नागपुर२००२.
- कीर , धनंजय, राजश्री शाहू छत्रपती, पॉप्युलर प्रकाशन,पुणे.
- साळुंके पी.बी. राजश्री शाहू गौरव ग्रंथ, प्रकाशन, महाराष्ट्र राज्य, शिक्षण विभाग – सचिवालय मुंबई.
- फडके, य. दी. शाहू छत्रपती आणि लोकमान्य, श्री विद्या प्रकाशन पुणे, १९८६
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- पवार जयसिंगराव, राजश्री शाहू छत्रपती, जीवन व कार्य, अरुंधती प्रकाशन, शिवतेज, कोल्हापूर,२०१४.
- पवार प्रकाश, भारतीय राज्यसंस्था आणि सामाजिक न्याय, डायमंड पुब्लिकेशन्स, पुणे.२०२०.
- बी.बी. पाटील आणि उर्मिला चव्हाण, आधुनिक भारतीय राजकीय विचार, फडके प्रकाशन, कोल्हापूर

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science - Semester III

Compulsory Generic Elective - I

CGE Paper-I Public Administration

Course Outcomes:

1)To impart knowledge about the nature, scope importance of Public Administration.
2)The student will get knowledge about making theoretical clarity of basic concepts and dynamics relating to Public organizations.
3)To familiarise the students with Changing Perspectives of Public Administration.
4)The student will get knowledge about contemporary concepts of Public Administration.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Public Administration** a) Meaning, Definition, and Nature b) Scope and Importance of Public Administration c) Public Administration and Private Administration	15	01
2.	**Unit 2: Organization** a) Meaning, Definition, and Nature of organization b) Principles of Organization: - Hierarchy, - Span of control, - Centralization and Decentralization d) Line and Staff Agencies	15	e)
3.	**Unit 3: Changing Perspectives in Public Administration** a) Development Administration b) Public Choice Approach c) New Public Management	15	01
4.	**Unit 4: New-Public Administration** a) Meaning of New-Public Administration b) Stages of Development of New-Public Administration c) Elements of New-Public Administration	15	01

Reference Books:

1. Dr.Sharma M. P.: Public Administration in theory and practice, Kitab Mahal, Allahabad.
2. Dr.Avasthi A.; Dr.Maheshwari S., Public Administration, Lakshmi Narain Agrawal.Agra.6
3. Basu R., Public Administration - Concept and Theories, Sterling Publisher Pvt.Ltd.,New Delhi.
4. White L. D.: Introduction to the study of public administration
5. Bhattacharya M., Restructuring of Public Administration, Jawahar Publishers, New Delhi.

6. इनामदार ना. र. लोकप्रशासन

7. गर्दे दि. का. लोकप्रशासन तत्त्व व तंत्र

8. प्रा. बी. बी. पाटील लोकप्रशासन**,** फडके प्रकाशन**,** कोल्हापूर.

9. व्हि . बी . पाटील**,** लोकप्रशासन**,**

10. डॉ. पारस बोरा **,** प्रा. शाम शिरसाट **,** लोकप्रशासनशास्त्र**,** ज्ञानसमिधा पब्लिशिंग वर्ल्ड **,** औरंगाबाद.

11. प्रा. एच.बी. हेळंबे, लोकप्रशासनातील नवीन विचार प्रवाह, चिन्मय प्रकाशन, औरंगाबाद.२०११

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science - Semester IV

Discipline-Specific Core Course (D35)

DSC (D35) Paper-V Local- Self Government in Maharashtra

Course Outcomes :

1) To Develop local leadership.
2) To create awareness of the local- self government as well as developmental measures.
3) It will provide knowledge of the local - self government in Maharashtra.
4) To understand the role of local-self government as instrument to achieve rural and urban developmental goals.
5) Understand the Constitutional Provision of Local - Self Government.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit1:Historical Background of Local- Self Government** a) Community Development Program b) Balawantroy Mehata Committee c) Vasantrao Naik Committee and P. B. Patil Committee	15	01
2.	**Unit2:Rural Local- Self Government and Recent Trends** a) Gram Panchayat b) Panchayat Samiti c) Zillah Parishad	15	01
3.	**Unit3:Urban Local- Self Government and Recent Trends** a) Municipal Council b) Municipal Corporation	15	01
4.	**Unit4:Constitutional Amendments** a) 73rd Constitutional Amendment Importance & Features b) 74th Constitutional Amendment Importance & Features	15	01

Reference Books:

1. S.C. Goel, Urban Local Self Govt. Deep & Deep Publications New Delhi
2. G. Palanithurai, Dynamics of New Panchyaati Raj system in India , Concept Publishing Company New Delhi
3. B.S. Bhargava, Panchayatraj system & Political Parties, Ashish Publishing House New Delhi
4. D.Y.Raghava Rao, Panchyayat and Rural Development,Ashish Publishing House New Delhi
5. U.B. Singh, Urban Local Government, Rawat Publications Jaipur
6. Ikbal Narayan, Panchayatraj Administration in Maharashtra
7. Amal Mandal, Women in Panchayatiraj Institutions Kanishka Publishers, New Delhi
8. M. Aslam, Panchayati Raj in India, National Book Trust India, New Delhi
9. ParadeepSachdeva, Urban Local Govt. and Administration in India
10. S. Dharmaraj, Panchayati Raj System in India, Abhijeet Publications, Delhi
11. Government of Maharashtra - Maharashtra ZillaParishads and PanchayatsAct.1961
12. GovernmentofMaharashtra–MunicipalAct,1965
13. डॉ.शर्मा अशोक,भारत मे स्थानीय शासन,आर.बी.एस.ए. पिब्लशर्स,जयपूर
14. डॉ.नरूला बी.सी, पंचायती राज व्यवस्था, अर्जुन पिब्लिशिंग हाउस,नवी दिल्ली
15. डॉ. जोशी आर.पी. व डॉ. मंगलानी रूपा,भारत मे पंचायती राज, आर.एच.जी.ए पिब्लशर्स. जयपूर
16. शिरसाठ श्याम , भारतीय स्थानिक स्वशासन , विद्या बुक्स , औरंगाबाद
17. डॉ. कतुरवार बी.आर., पंचायतीराज संस्थेतील मागासवर्गीय नेतृत्व,ओमसाई प्रकाशन, देगलूर
18. डॉ.दर्शनकार अर्जुनराव, पंचायतराज व नागरी शासन,कैलास पिब्लकेशन औरंगाबाद
19. डॉ. भोगले शांताराम , भारतातील स्थानिक शासन,विद्या प्रकाशन , नागपूर .
20. डॉ. यमलवाड गोविंद, स्थानिक स्वराज्य संस्था ,कल्पना प्रकाशन,नांदेड

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science - Semester IV

Discipline-Specific Core Course (D36)

DSC (D36) Paper-VI Indian Political Thought – II

Course outcomes:

1) The student will get knowledge about the development of Indian Political thoughts.
2) Build up basic concepts like -Satya, Ahimsa, Satyagraha, Trusteeship and Sarvodaya of Mahatma Gandhi.
3) Students can understand about Secular Nationalism and Internationalism, Democratic Socialism and Mixed Economy of Jawaharlal Nehru.
4) Students will get ideas about critique of caste system, state socialism &Parliamentary democracy for Social and economic democracy of Dr. B. R. Ambedkar
5) Students can understand the different thoughts of M. N. Roy.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	1. Unit 1: M. K. Gandhi a) Satya, Ahimsa, Satyagraha b) Concept of Trusteeship c) Sarvodaya	15	01
2.	2. Unit 2: Jawaharlal Nehru a) Democratic Socialism b) Secular Nationalism and Internationalism c) Mixed Economy	15	01
3.	3. Unit 3: Dr. B. R. Ambedkar a) Critique of Caste System b) Parliamentary Democracy for Social and Economic Democracy c) State Socialism	15	01
4.	4. Unit 4: M. N. Roy a) Views on Marxism b) Radical Democracy c) New Humanism	15	01

Reference Books:

• Singh, M.P., Indian Political Thought- Themes and Thinkers, Pearson, NewDelhi,2011

• Chakrabarty Bidyut & Pandey R.K., Modern Indian Political Thought,Sage, 2009

• Pantham Thomas & Deutsch (ed.), Political Thought in Modern India,Sage,1986

• चौसाळकर अशोक, आधुनिक भारतीय राजकीय विचार प्रवाह आणि अंतःप्रवाह,प्रतिमा प्रकाशन, पुणे, २०१४

• भोळे भा. ल., आधुनिक भारतीय राजकीय विचार, पिंपलापुरे, नागपूर,२००३

• डोळे ना. य., भारतीय राजकीय विचारवंत, विद्या पब्लिशर्स, औरंगाबाद,१९९९

• सुखटणकर भा. र., नवमानवतावाद, तारकुंडे प्रकाशन, मुंबई, १९४७

• सुमंत यशवंत, महात्मा गांधी : काही अलक्षित पैलू, साधना प्रकाशन, पुणे,२०१५

• बाचल वि. मा., भारतीय राजकीय विचारवंत, के सागर पब्लिकेशन्स,२००६

• काणे प. सी., राजकीय सिद्धांत आणि राजकीय विचार, पिंपळापुरे आणिकंपनी पब्लिशर्स,नागपूर, २०००.

• चव्हाण रा. ना., डॉ. बाबासाहेब आंबेडकर यांचा शोध व बोध, चव्हाणप्रतिष्ठान पुणे.

• चव्हाणरा. ना., डॉ. बाबासाहेब आंबेडकर दलित चळवळ एक मागोवा,चव्हाण प्रतिष्ठान पुणे.

• खोब्रागडे राम.,डॉ.आंबेडकर शांततामय सामाजिक क्रांतीचे प्रणेते,सुगावा प्रकाशन पुणे.

• पाटील बी. बी.,चव्हाण उर्मिला, आधुनिक भारतीय राजकीय विचार,फडके प्रकाशन, कोल्हापूर

CHOICE BASED CREDIT SYSTEM SYLLABI AND READING LIST

B.A.II Political Science - Semester IV

Compulsory Generic Elective - II

CGE Paper-II Public Administration

Course Outcomes :

The Students will able to

1) Get information about Personnel Administration.
2) Get acquainted with the budgetary process in India.
3) Get knowledge about Delegated Legislation
4) Understand New Trends in Public Administration

Unit	Topic	Teaching Hour	Credits
Unit 1	**Personnel Administration** a) Meaning, Definitions and Importance b) Recruitment c) Training and Promotion	**15**	**1**
Unit 2	**Financial Administration in India** a) Meaning and Definitions of Budget b) Preparation, Enactment and Execution of the Budget c) Financial Committees – Public Accounts Committee, Estimates Committee	**15**	**1**
Unit 3	**Delegated Legislation** a) Meaning, Definition and Causes of its growth b) Merits and Demerits c) Safeguards against Delegated Legislation	**15**	**1**
Unit 4	**New Trends in Public Administration** a) E-Governance b) Right to Information c) Citizen's Charter	**15**	**1**

Reference Books:

1. Dr. Sharma M. P., Sadana B. L., Kaur Harpreet, 2010, Public Administration in theory and practice (48th Ed.), KitabMahal Publication, Allahabad.
2. Dr. Avasthi A.; Dr.Maheshwari S., 2010, Public Administration, Lakshmi Narain Agrawal,Agra.6
3. Basu R., 2019, Public Administration - Concept and Theories (4th Ed.), Sterling Publisher Pvt.Ltd., New Delhi.
4. White L. D., 1955, Introduction to the study of public administration (4th Ed.), Macmillan Publication, New York
5. Bhattacharya M., 2019, Restructuring of Public Administration, Jawahar Publishers, New Delhi.
6. Radhakrishan Sapru, 2018, Indian Administration (1st Ed.), SAGA Publication Pvt. Ltd., Delhi
7. डॉ. फाडिया बी. एल.,डॉ. फाडिया कुलदीप, 2018, लोकप्रशासन, साहित्य भवन पब्लिकेशन, आगरा.
8. इनामदार एन. आर., 1975, लोकप्रशासन, महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ, नागपूर
9. प्रा. पाटील बी. बी., 2018, लोकप्रशासन, फडकेप्रकाशन, कोल्हापूर.
10. प्रा. पाटील व्ही. बी., 2017, समग्र लोकप्रशासन, के' सागर पब्लिकेशन, पुणे

NATURE OF QUESTION PAPER AND SCHEME OF MARKING

B.A. Part- II (Semester-III/ IV) Political Science Examination ----------

Paper No. -------- Title ----------
Sub code -------
Day &Date: **Time:** **Total Marks: 40**
Instructions:
1. All questions are Compulsory.
2. Figures to right indicate full marks.

Q. 1. Complete the following sentences by choosing correct alternatives (MCQ) 05
a)
b)
c)
d)
e)

Q. 2. Write short notes (any three) 15
a)
b)
c)
d)
e)

Q. 3. Answer the following questions in detail (any two) 20
a)
b)
c)
d)

Internal Evaluation ----10 Marks

B.A.-II Semester-III – Group Activity

B.A.-II Semester-IV – Case study / Oral examination

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SHIVAJI UNIVERSITY, KOLHAPUR.

' A' Reaccredited By NAAC

Revised Syllabus for Bachelor of Arts (CBCS)

B. A. in Political Science

Faculty of Humanities B.A. Part – III

(Sem. V and VI)

Syllabus to be implemented from June, 2020

Shivaji University, Kolhapur

Revised Syllabus from June, 2020

Bachelor of Arts Part III – Political Science - Sem – V and VI

1) **Title**: Subject: Political Science (Paper No. 7 to 11) Optional under the Faculty of Arts.

2) **Year of Implementation**: Revised Syllabus will be implemented from June 2020 onwards.

3) **Duration:** The course shall be a full time course. The duration of course shall be three years.

4) **Pattern**: Pattern of examination will be Semester.

5) **Eligibility For Admission**: As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.

6) **Medium of Instruction**: The medium of instruction shall be English or Marathi

7) **Equivalence In Accordance With Titles And Content Of Papers**: For Revised Syllabus As follows:

SEMESTER V

Sr No	Paper No	Title of Old Paper	Paper No	Title of New Paper
1	VII	Modern Government	VII	Political Theory
2	VIII	Public Administration	VIII	Public Administration
3	IX	International Politics	IX	International Politics
4	X	Constitution of United States of America	X	Comparative Politics
5	XI	Classical Western Political Thought	XI	Western Political Thought I

SEMESTER VI

Sr No	Paper No	Title of Old Paper	Paper No	Title of New Paper
1	XII	Modern Political Concepts	XII	Modern Political Concepts
2	XIII	Administrative Thinkers	XIII	Politics and Movements in Maharashtra
3	XIV	Foreign Policy of India	XIV	Foreign Policy of India
4	XV	Constitution of China and Sweden	XV	Comparative Government (With special reference to UK & USA)
5	XVI	Modern Western Political Thought	XVI	Western Political Thought II

Structure of Course

Revised syllabus of B.A. Part III (Political Science) From June, 2020

Semester	Paper No.	Title of the Paper	Theory Marks	Term work
Sem V	Paper VII	Political Theory	**40**	**10**
	Paper VIII	Public Administration	**40**	**10**
	Paper IX	International Politics	**40**	**10**
	Paper X	Comparative Politics	**40**	**10**
	Paper XI	Western Political Thought I	**40**	**10**
Sem-VI	Paper XII	Modern Political Concepts	**40**	**10**
	Paper XIII	Politics and Movements in Maharashtra	**40**	**10**
	Paper XIV	Foreign Policy of India	**40**	**10**
	Paper XV	Comparative Government (With special reference to UK & USA)	**40**	**10**
	Paper XVI	Western Political Thought II	**40**	**10**

Revised Syllabus B.A. III- Political Science (CBCS) From June 2020

Semester - V Paper No. VII DSE E-76

Title: Political Theory

Course Outcome:

1) Getting basic knowledge of Political Theory
2) Understanding of approaches to Political Theory
3) Knowing Behavioural movement in Political Science
4) Acquiring knowledge about concepts of Power, Authority and Legitimacy

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1:** Political Theory. a. Nature and scope of Political Theory. b. Political Philosophy and Political Theory c. Decline, Resurgence and Importance of Political Theory.	15	01
2.	**Unit 2:** Approaches to Political Theory a) Normative Approach b) Empirical Approach	15	01
3.	**Unit 3:** Behaviouralism & Post Behaviouralism a) Behavioral Approach—Meaning, Characteristics & Evaluation b) Post Behavioral Approach –Meaning, Characteristics & Evaluation	15	01
4.	**Unit 4**: Concepts in Political Theory a) 1)Political Power—Meaning, &Types, 2)Theories of Political Power—Psycho-Analytical Theory, Sociological Theory, Liberal Democratic Theory, Marxian Theory b) Authority –Meaning & Types c)Legitimacy –Meaning , Basis of Legitimacy	15	01

References:

1) Freidrich C. H. An Introduction to Political Theory.
2) Ernest Barkar, Principles of Social & Political Theory, Oxford, 1976
3) Ashirvadam & Misra, Political Theory, S Chand, Delhi 2004.
4) Dr. A.H. Doctor, Issues in Political Theory
5) Lass let Peter & Runciman W.C.(ed) Philosophy, Politics & Society, (3rd Series) Oxford, Blackwell, 1976
6) Mac Iver, Modern State, OUP, 1926
7) Verma S.P. Modern Political Theory, Vikas, Delhi, 1913
8) Carnoy, State and Political Theory, Princeton, 1984
9) Strauss L. What is political Philosophy & other essays, Glencoe, Free Press, 1959.
10) A Brecht, Political Theory-Foundations of 20th century Political Theory, Bombay, 1965.
11) David Held, Political Theory & Modern State, Polity, 1984.
12) Cresingay D. and Minogue (Ed) Contemporary Political Thinkers, Methuan, London, 1975.
13) Quinton A (Ed) Political Philosophy, Oxford, 1967.
14) Bena and Peters Social Principles & Democratic State, George Alien & Unwin, 1959
15) Einstein Mathew, Kenny Micheal,(ED) Political Ideologies: A Reader & Guide OUP; 2005

16) Bhargava Rajeev & Acharya Ashok, Political Theory, Pearson,2015

17) गर्दे दि.का.,राजकीय सिद्धांत ,महाराष्ट्र विद्य्पीठ ग्रंथ निर्मिती मंडळ,नागपूर ,१९७८

18) भोळे भास्कर ,राजकीय सिद्धांत आणि विश्लेषण, श्रीविद्या, नागपूर,२००४

19) देव विजय आणि इतर , राजकीय संकल्पना आणि सिद्धांत, डायमंड ,पुणे, २०१५

Semester - 5 Paper No. VIII DSE E-77
Title: Public Administration

Course Outcome:

1) Acquiring information about various concepts in Public Administration.
2) Getting knowledge about Organization, its Bases, Principles and Units.
3) Getting acquainted with the budgetary process in India.
4) Understanding the interface between citizens and Public Administration; and other agencies in society and Public Administration.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Introduction to Public Administration** a) Meaning, Nature and Scope b) Politics and Administration Dichotomy c) Evolution of the Discipline and its Present Status	15	01
2.	**Unit 2: Organization** a) Meaning and Bases of Organization b) Principles of Organization c) Units of Organization	15	01
3.	**Unit 3: Financial Administration:** a) Meaning and definition of Budget b) Budgetary Process in India c) Parliamentary Control of the Budget in India.	15	01
4.	**Unit 4: Accountability and Control** a) Concepts of Accountability and Control b) Legislative, Executive and Judicial Control over Public Administration c) Citizen and Administration d) Citizen's Charter, Role of: Media, Interests Groups, Voluntary Organizations, and Civil Society.	15	01

Recommended Books

1. Dr.Sharma M. P. : Public Administration in theory and practice, Kitab Mahal, Allahabad.
2. Dr.Avasthi A.; Dr.Maheshwari S., Public Administration, Lakshmi Narain Agrawal,Agra.6
3. Basu R.,Public Administration - Concept and Theories, Sterling Publisher Pvt.Ltd.,New Delhi.
4. White L. D. : Introduction to the study of public administration
5. Bhattacharya M., Restructuring of Public Administration, Jawahar Publishers, New Delhi.
6. Laxmikanth M, Public Administration, McGraw Hill Education (India) Private Limited, Chennai.
7. Prof. Fadia B. L. and Fadia K, Public Administration in India, Sahitya Bhawan, Agra.

8 बोरा पारस, शिरसाट शाम, लोकप्रशासनशास्त्र,ज्ञानसमिधा,औरंगाबाद

9 गर्दे दि.का. लोकप्रशासन तत्व व तंत्र, नागपूर ,1980

10 इनामदार एन.आर.लोकप्रशासन, महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ ,नागपूर,1975

11 माहेश्वरी श्रीराम, भारतीय प्रशासन ,(अनुवाद : साधना कुलकर्णी), ओरिएन्ट लॉंगमन,हैद्राबाद,2002

12 काणे प.सि.,लोक्प्रशासनाचे सिद्धांत ,विद्या प्रकाशन,नागपूर
13 भोगले शांताराम ,लोकप्रशासन सिद्धांत व कार्यपद्धती ,कैलाश ,औरंगाबाद
14 दर्शनकार अर्जुन, लोकप्रशासन, कैलाश ,औरंगाबाद

Semester – V - Paper No. IX DSE E-78
Title: International Politics

Course Outcome :

1) Getting acquainted with the concepts and dimension of International Politics.
2) To understand main theories of International Politics.
3) To know the working of international and regional organizations and the new world order that emerged after the end of cold war.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit – 1. Nature of International Politics** a) Meaning, Nature and Scope of International Politics b) Theories of International Politics: Idealist and Realist.	15	01
2.	**Unit – 2. National Power :** a)Meaning of National Power b) Elements of National Power.	15	01
3.	**Unit – 3. Diplomacy :** a)Meaning of Diplomacy, b)Kinds and Functions of Diplomacy.	15	01
4.	**Unit – 4. New World Order :** a) Post Cold-War International Order b) Regional Organizations: European Union, ASIAN c) Economic Organizations: WTO and BRICS	15	01

Recommended Books:

1. Vinoy Kumar Malhotra - International Relation (New Delhi: Anmol Publication 1999)
2. Joshna Goldstein - International Relation (New York: Longman, 2003)
3. Hans Morgenthau - Politics Among Nation (New York: Alfred Knopf, 1985)
4 देवळाणकर शैलेंद्र,आंतरराष्ट्रीय संबंध, विद्या,औरंगाबाद,2005
5 रायपूरकर वसंत, आंतरराष्ट्रीय संबंध, मंगेश, नागपूर ,2006
6 फादिया बी.एल. आंतरराष्ट्रीय राजनीती, साहित्यभवन, आग्रा,2004
7 लोटे रा.ज, आंतरराष्ट्रीय संबंध,पिंपळापुरे ,नागपूर, 2018
8 पाटील वा.भा., आंतरराष्ट्रीय संबंध,प्रशांत,जळगाव,
9 तोडकर बी.डी.., आंतरराष्ट्रीय संबंध—महत्वाच्या संकल्पना ,डायमंड ,पुणे ,2012
10 वराडकर र.घ., आंतरराष्ट्रीय संबंध आणि राजकारण, विद्या,नागपूर

Semester – V Paper No. X DSE E-79
Title : Comparative Politics

Course Outcome:

1) Students will be familiar with basic theory of comparative politics
2) Students be able to understand constitutionalism, federalism.
3) Students shall understand party system and pressure groups and its functioning.
4) Students shall understand classification of political parties and pressure groups.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit – 1. Comparative Politics** a) Meaning, Nature and Scope of Comparative Politics b) Structural Functional Approach to the study of Comparative Politics c) System Approach to the study of Comparative Politics d) Marxian Approach to the study of Comparative Politics	15	01
2.	**Unit – 2. Constitutionalism** a) Meaning and Definition Constitutionalism b) Constitutionalism in United Kingdom c) Constitutionalism in United States of America	15	01
3.	**Unit – 3. Federalism** a) Meaning and Nature federalism b) Essential Conditions of Federation c) Challenges before Federation	15	01
4.	**Unit – 4. Political Party and Pressure Groups** a) Meaning and types of Political Party b) Meaning and Classification of Pressure Groups c) Role of Political Parties and Pressure Groups	15	01

Recommended Books:

1. Harry Eckstein & David E. Apter- Comparative Politics, A Reader (New York, The Free Press, 1969.
2. J Blondel- An Introduction to comparative Government, London, 1969.
3. Herman Finer- The theory and Practice of Modern Government, Mathuen and Company, London 1969
4. S. R Maheshweri – Comparative Government and Politics ,Laxmi Narayan Agrwal, Agra, 1983
5. V.N Khanna– Major Political Systems, Chand and Chand company , Delhi
6. J.C Johari – Comparative Politics, sterling Delhi.
7. VidyaBhushan – Comparative Politics , Atlantic Publication and Distributers.
8. H,Denis Derbyshire, Ian Derbyshire – Political system of the world, Alied Publishers.Ltd.
9. D. Deol – Comparative Government and Poltics, sterling Publisher Pvt. Ltd
10. V.D. Mahajan- Select Modern Government, S Chand &Co.Ltd, New Delhi

11 लोटे रा.ज, तुलनात्मक शासन आणि राजकारण ,पिंपळापुरे ,नागपूर, 2015
12 गांधीजी राय ,तुलनात्मक शासन एवं राजनीती,भारती भवन पब्लिशर, 2017
13 जोहरी जे.सी.. तुलनात्मक राजनीती,स्टर्लिंग ,2008
14 गाबा ओमप्रकाश, तुलनात्मक राजनीती कि रूपरेखा, मयूर बुक्स, 2018
15 बिस्वाल तपन, तुलनात्मक राजनीती-संस्थाए और प्रक्रियाए,द ओरिएन्ट ब्लाकस्वान, 2016
16 गर्ग सुषमा,तुलनात्मक शासन एवं राजनीती,अग्रवाल प्रकाशन ,2012
17 देशपांडे म.द., शासन राज्यपद्धती तौलनिक विचार,महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती
18 घांगरेकर चि.ग.तुलनात्मक शासन आणि राजकारण

19 शास्त्री चंद्रशेखर ,प्रमुख देशांची शासन प्रणाली ,पायल,नागपूर
20 देशमुख अलका ,तौलनिक शासन आणि राजनीती,नाथ,नागपूर
21देवगावकर रा.गो.आधुनिक राजकीय व्यवस्था, साईनाथ नागपूर

Semester – V, Paper No. XI DSE E-80

Title of the Paper: Western Political Thought – I

Course Outcome :

1) Students will get acquainted with the western tradition from Plato to Rousseau.
2) Students will understand the evolution of western Political idea.
3) Students will be able to study historical aspects of western state and society.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit – 1. Plato**	15	01
2.	**Unit – 2. Aristotle**	15	01
3.	**Unit – 3. Machiavelli**	15	01
4.	**Unit – 4. Rousseau**	15	01

Recommended Books:

1) Francis W. Coker - Recent Political Thought, The world Press Pvt. Ltd.
2) George H. Sabine - A History of Political theory, George G. Harrap&comoany Ltd. London.
3) C.L. Wayper - Political thought, S.T. Pauls, Honce Warwick lane London, Ec. 4
4) V.D. Mahajan & R.R. Seth, Recent Political Thought, Premier Publishing Co, Delhi.
5) William Ebenstiein, Great Political Thinkers – Plato To the present Modern Political thought, The great Issues, IInd Edition, Oxford & IBH Publishing company.
6) Radhey Sham Chourasia, History of western Political thought – Volume I & II
7) Suda J.P., History of Political Thought,K.Nath, Meerut ,Vol. 1 to 3 ,Reprint,2017

8 शृंगारपुरे अरविंद, भारतीय तथा पाश्चिमात्य राजकीय विचार,मंगेश,नागपूर
9 भोळे भा.ल., भारतीय आणि पाश्चिमात्य राजकीय विचार, पिंपळापुरे, नागपूर
10 गर्दे दि.का., पाश्चिमात्य राजकीय विचार प्रवाह, महाराष्ट्र राज्य ग्रंथ निर्मिती , पुणे
11 डोळे ना.य.,राजकीय विचारांचा इतिहास,कॉनंटीनेटल,पुणे
12 कुलकर्णी सुधाकर ,निवडक राजकीय विचारवंत, विद्याभारती ,लातूर

B. A. Part III – Political Science - Semester – VI

Semester VI, Paper No. XII DSE E- 201

Title of the Paper: Modern Political Concepts

Course Outcome

1. Student will know modern concepts such as Feminism, Multiculturalism, Environmentalism and Civil Society etc.

2.This will enable students to have comprehensive idea of contemporary scenario in political science.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit – 1. : Feminism** I. Meaning, Origin and Development of Feminism. II. Characteristic of Feminism III. Theories of Feminism	15	01
2.	**Unit – 2. Multiculturalism** I. Meaning and Development of Multiculturalism II. Will Kymlicka's theory of Multiculturalism III. Nationalism and Multiculturalism	15	01
3.	**Unit – 3. Environmentalism** I. Origin and Causes of Environmentalism II. Characteristics of Environmentalism III. International Efforts for protection of Environment IV. Global Warming	15	01
4.	**Unit – 4. Civil Society** I. Meaning and Development of Civil Society II. Civil Society—Liberalism and Political Economy III. Locke, Hegel, Marx and Antonio Gramsci on Civil Society IV. Post Colonialism and Civil Society	15	01

Recommended Books:

1 Kymlika Will, Multicultural Citizenship :Liberal Theory of Minority Rights,Clarendon Press, 1995

2 Kymlika Will, Contemporary Political Philosophy, Oxford,2001

3. Bhargava Rajeev and Acharya Ashok, Political Theory : An Introduction, 1st. Edition, Pearson, New Delhi,2008

4 राठी शुभांगी डी.आधुनिक राजकीय विचारप्रणाली, अथर्व,धुळे, 2014

5 भार्गव राजीव ,आचार्य अशोक, (संपा.)राजकीय सिद्धांत परिचय (अनुवाद:हेमंतखानझोडे) पिअर्सन ,नवी दिल्ली, 2011

6 खेडेकर दिगंबर ,राजकीय सिद्धांतातील मुलभूत संकल्पना, चिन्मय ,औरंगाबाद,2009

7 भागवत वंदना ,संदर्भासहित स्त्रीवाद

8 भागवत विद्युत , स्त्रीवादी सामाजिक विचार : सहा महत्वाच्या विचारवंत स्त्रियांचा परिचय,डायमंड,पुणे,2008

Semester VI Paper N0. XIII DSE E- 202

Title of the Paper: Politics and Movements in Maharashtra

Course Outcome :

1)Student will know the Political System of Maharashtra.
2)They will understand the process of formation of Maharashtra State
3)Student will know the movements, pressure groups and political parties in Maharashtra.
4)This will provide comprehensive idea of contemporary politics of Maharashtra.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit -1 Samyukta Maharashtra** a. Movement of Samyukta Maharashtra and formation of Maharashtra State b. Developments in Politics of Maharashtra after1960 c. The Politics of Regional Imbalance – Cooperative Sector and Economy	15	01
2.	**Unit – 2 Organization of State Government** a. Executive: Governor, Chief Minister and Council of Ministers – Composition, Powers and Functions b. Legislature: Legislative Assembly and Legislative Council- Composition, Powers and Functions.	15	01
3.	**Unit – 3. Politics of Maharashtra** a. Major Political Parties in Maharashtra b. Regional Parties in Maharashtra c. Coalition Politics	15	01
4.	**Unit – 4. Political and Social Movements in Maharashtra** a. Peasant Movements b. Dalit Movements c. Superstition Eradication Movements d.Student Movements	15	01

References:

1- Usha Thakkar and Mangesh Kulkarni (Ed.) Politics in Maharashtra
2- M.S.A. Rao/Francis Frankel (Ed.) Politics in Maharashtra – Vol 2. Oxford Uni. Press, 1990.
3 Murugkar Lata, Dalit Panther Movement in Maharashtra :A Sociological Appraisal,South Asia Books,1991
4 Shah Ghanshyam, Social Movements in India,sage,1991
5 जैन अशोक ,महाराष्ट्राचे शासन आणि राजकारण, सेठ ,मुंबई ,1998
6 पळशीकर सुहास आणि बिरमल नितीन,महाराष्ट्राचे राजकारण,प्रतिमा,पुणे ,2005
7 पळशीकर सुहास आणि कुलकर्णी सुहास,महाराष्ट्रातील सत्तासंघर्ष,समकालीन प्रकाशन,पुणे ,2007
8 भोळे भा.ल., यशवंतराव चव्हाण विचार व राजकारण, साकेत,औरंगाबाद,2007

9 जाधव तुकाराम आणि इतर (संपादक), महाराष्ट्राचे राजकारण नव्या वळणावर? ,युनिक अकाडेमी, 2015
10 काळे भगवानराव, संयुक्त महाराष्ट्र:काल आणि आज ,1998
11 फडके य.दि.व्यक्ती आणि विचार, श्रीविद्या, पुणे
12 सुमंत यशवंत आन डी.डी.पुंडे (संपा.) महाराष्ट्रातील जातीव्यवस्थात्मक विचार,प्रतिमा ,पुणे
13 व्होरा राजेंद्र (संपा.) परंपरा आणि आधुनिकता, प्रतिमा ,पुणे
14 भोळे भा.ल., बेडकिहाळ किशोर (संपा.) बदलता महाराष्ट्र, आंबेडकर अकादमी,सातारा,2003
15 चौसाळकर अशोक , कॉ.श्रीपाद अमृत डांगे,कॉ.गोविंद पानसरे अमृत महोत्सव समिती,कोल्हापूर,2011

Semester VI Paper No. XIV DSE E- 203

Title: Foreign Policy of India

Course Otcome:

1. Student will understand, 'what is Foreign Policy and what are the objectives of Foreign Policy.
2. This will provide comprehensive idea of foundation of Indian Foreign Policy
3. Student will come to know India's relation with super powers and neighboring countries.
4. It will bring attention of the students towards the current national and international political situation and foreign policy.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Foreign Policy** a) Meaning and Objectives of Foreign Policy. b) Determinants and Basic Principles of Indian Foreign Policy	15	01
2.	**Unit – 2. India and Global Powers** a) India – US Relations b) India – USSR and Russia Relations c) India – China Relations	15	01
3.	**Unit – 3. India's Relations with her Neighbors** a)India – Pakistan b)India – Bangladesh c)India – Shrilanka	15	01
4.	**Unit – 4. Continuity and Change in India's Foreign Policy** a) Foreign Policy of India in Cold War Era b) Foreign Policy of India in Post Cold War Era	15	01

Recommended Books :

1. Vinoy Kumar Malhotra - International Relation (New Delhi: Anmol Publication 1999)
2. Joshna Goldstein - International Relation (New York: Longman, 2003)
3. Hans Morgenthau - Politics Among Nation (New York: Alfred Knopf, 1985)
4. देवळाणकर शैलेंद्र,आंतरराष्ट्रीय संबंध, विद्या,औरंगाबाद,2005
5. रायपूरकर वसंत, आंतरराष्ट्रीय संबंध, मंगेश, नागपूर ,2006
6. फादिया बी.एल. आंतरराष्ट्रीय राजनीती, साहित्यभवन, आग्रा,2004
7. लोटे रा.ज, आंतरराष्ट्रीय संबंध,पिंपळापुरे ,नागपूर, 2018
8. पाटील वा.भा., आंतरराष्ट्रीय संबंध,प्रशांत,जळगाव,
9. तोडकर बी.डी.., आंतरराष्ट्रीय संबंध—महत्वाच्या संकल्पना ,डायमंड ,पुणे ,2012
10. वराडकर र.घ., आंतरराष्ट्रीय संबंध आणि राजकारण, विद्या,नागपूर
11. देवळाणकर शैलेंद्र,समकालीन जागतिक राजकारण व भारताचे परराष्ट्र धोरण,क्रोनिकॅल,2012
12. देवळाणकर शैलेंद्र,भारत व जग,सकाळ,पुणे, 2014

13 देवळाणकर शैलेंद्र,भारताचे परराष्ट्र धोरण :सातत्य व स्थित्यंतर ,प्रतिमा पुणे, 2007

Semester VI Paper No XV DSE E- 204

Title: Comparative Government (With special reference to UK & USA)

Course Outcome:

1. To familiarizes students with composition, functions, and law making process of legislative bodies in UK and USA.
2. To introduce the students with execution process of laws in UK and USA
3. To introduce the Judicial System in UK and USA and procedure of adjudication
4. Students will understand the role of Pressure Groups in the Politics of UK and USA.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: Legislature** a) Parliament of UK- Composition, Powers and Functions b) Congress of USA- Composition, Powers and Functions	15	01
2.	**Unit – 2 Executive** a) King, Prime Minister and Council of Minister in UK b) The President, Vice President, and Secretaries in USA	15	01
3.	**Unit – Judiciary** a) House of Lords and Supreme Court of Judicature in UK b) Supreme Court of USA- Composition, Powers and Functions	15	01
4.	**Unit – 4 Political Party and Pressure Group** a) Political Party system in UK- Conservative Party and Labour Party b) Political Party System in USA- Democratic and Republican Party c) Pressure Groups in UK and USA	15	01

Recommended Books :

1. **Harry Eckstein & David E. Apter-** Comparative Politics, A Reader (New York, The Free Press, 1969.
2. **J Blondel-** An Introduction to comparative Government, London, 1969.
3. **V.D. Mahajan-** Select Modern Government, S Chand &Co.Ltd, New Delhi
4. **Herman Finer-** The theory and Practice of Modern Government, Mathuen and Company, London 1969
5. **S. R Maheshwari** – Comparative Government and Politics ,Laxmi Narayan Agrwal, Agra, 1983
6. **V.N Khanna –** Major Political Systems, Chand and Chand company , Delhi
7. **J.C Johari –** Comparative Politics, sterling Delhi.
8. **Vidya Bhushan –** Comparative Politics , Atlantic Publication and Distributers.
9. **H,Denis Derbyshire, Ian Derbyshire –** Political system of the world, Alied Publishers.Ltd.
10. **D. Deol –** Comparative Government and Poltics, sterling Publisher Pvt. Ltd

11 लोटे रा.ज, तुलनात्मक शासन आणि राजकारण ,पिंपळापुरे ,नागपूर, 2015

12 गांधीजी राय ,तुलनात्मक शासन एवं राजनीती,भारती भवन पब्लिशर, 2017

13 जोहरी जे.सी.. तुलनात्मक राजनीती,स्टर्लिंग ,2008

14 गाबा ओमप्रकाश, तुलनात्मक राजनीती कि रूपरेखा, मयूर बुक्स, 2018

15 बिस्वाल तपन, तुलनात्मक राजनीती-संस्थाए और प्रक्रियाए,द ओरिएन्ट ब्लाकस्वान, 2016
16 गर्ग सुषमा,तुलनात्मक शासन एवं राजनीती,अग्रवाल प्रकाशन ,2012
17 देशपांडे म.द., शासन राज्यपद्धती तौलनिक विचार,महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती
18 घांगरेकर चि.ग.तुलनात्मक शासन आणि राजकारण
19 शास्त्री चंद्रशेखर ,प्रमुख देशांची शासन प्रणाली ,पायल,नागपूर
20 देशमुख अलका ,तौलनिक शासन आणि राजनीती,नाथ,नागपूर
21देवगावकर रा.गो.आधुनिक राजकीय व्यवस्था, साईनाथ नागपूर

Semester VI Paper No. XVI DSE E- 205

Title:Western Political Thought- II

Course Outcome:

1. The students will understand Political views of J. S. Mill, Karl Marx, Gramsci & Hannah Arendt
2. The students will get acquinted with various aspects of state and society with western perspective.

Sr. No.	Unit No. and Title of the Unit	Teaching Hours	Credits
1.	**Unit 1: J.S. Mill**	15	01
2.	**Unit – 2 Karl Marx**	15	01
3.	**Unit 3 – Antonio Gramsci**	15	01
4.	**Unit – 4 Hannah Arendt**	15	01

Re commended Books :

1) Francis W. Coker - Recent Political Thought, The world Press Pvt. Ltd.
2) George H. Sabine - A History of Political theory, George G. Harrap & comoany Ltd. London.
3) C.L. Wayper - Political thought, S.T. Pauls, Honce Warwick lane London, Ec. 4
4) V.D. Mahajan & R.R. Seth, Recent Political Thought, Premier Publishing Co, Delhi.
5) William Ebenstiein, Great Political Thinkers – Plato To the present Modern Political thought, The great Issues, IInd Edition, Oxford & IBH Publishing company.
6) Radhey Sham Chourasia, History of western Political thought – Volume I & II
7) Suda J.P., History of Political Thought, K.Nath, Meerut ,Vol. 1 to 3 ,Reprint,2017
8) Steve Buckler Hannah Arendt and Political Theory : Challenging the tradition, Edinburg University Press, 2011
9) Murray Forsyth and Muurice Keens- Soper The Political Classics : Green to Dworkin, OUP, 1996
10) Weisman Tama , Hannah Arendt and Karl Marx : On Totalitarianism and the Tradition of Western Political Thought
11 Buttigieg Joseph, (Ed.) Antonio Gramsci –Prision Notebooks, Columbia University Press,2011
12 Arendt Hannah, The Origins of Totalitarianism, Schocken Books,1951
13 शृंगारपुरे अरविंद, भारतीय तथा पाश्चिमात्य राजकीय विचार,मंगेश,नागपूर
14 भोळे भा.ल., भारतीय आणि पाश्चिमात्य राजकीय विचार, पिंपळापुरे, नागपूर
15 गर्दे दि.का., पाश्चिमात्य राजकीय विचार प्रवाह, महाराष्ट्र राज्य ग्रंथ निर्मिती , पुणे
16 डोळे ना.य.,राजकीय विचारांचा इतिहास,कॉनंटीनेटल,पुणे
17 कुलकर्णी सुधाकर ,निवडक राजकीय विचारवंत, विद्याभारती ,लातूर
18 देव विजय आणि इतर , पाश्च्यात्य राजकीय विचारवंत, डायमंड,पुणे,2012
19 चौसाळकर अशोक ,मार्क्सवाद –उत्तरमार्क्सवाद,प्रतिमा,पुणे,2010

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SHIVAJI UNIVERSITY, KOLHAPUR

Modified & Revised Syllabus of

B.A. I Introduction of Physical Education & Sports

Sem. I & Sem. II

(Introduced from June 2013 and onwards)
(Subject to the modifications made from time to time)

SHIVAJI UNIVERSITY, KOLHAPUR
PHYSICAL EDUCATION (Optional)

Introduced from June, 2013

B. A. Part I
Semester I
Introduction of Phy. Education and Sports
(Paper – I)

Practicals – 50 Marks

(4 Periods for Theory)

A batch of 20 students for practical period and Exam.:-

Per Unit 15 Period

Unit 1 :The meaning of Phy. Education and Sports

A) Meaning, Definition and concept of Phy. Edu.

B) Changing concept of Phy. Education

a) Exercise

b) Physical Training

c) Gymnastics

d) Recreation

e) Games & Sports

f) Health & Phy. Education

Unit 2 : Aim and Objectives of Phy. Education

A) General Aim

B) Objectives

a) Organic Power

b) Phy. Skills

c) Mental and Emotional Development

d) Social Development

e) Professional Development

f) National integration

Unit 3 : Foundation of Phy. Education

A) Body Posture

a) Meaning, Definition, Kinds of body Posture , Characteristics of good body posture

B) Physical Differences between two sexes with reference to Phy. performance-strength, speed, endurance, Agility, Flexibility etc.

Unit 4 : **A) Physical fitness and Health**

a) Physical Fitness

b) Factors of Phy. Fitness.

c) Balance Diet.

d) Bad Habits with Special reference to Phy. Fitnessess Alcohol and Tobaco.

e) Walking- Meaning, Neet and Importance

B) Play –

a) Meaning, Definitions, Concepts

b) Work and Play

c) Theories of play

i) surplus energy – जादा शक्तीचा

ii) Anticipatory Theory- पूर्वतयारीचा

iii) Recapulatory Theory- पुनरावृत्तीचा

d) Importance of Play.

(N.B.1- Total Passing in Theory minimum 17 Marks)

Books Recommended

1. शारीरिक शिक्षण : तत्वे व स्वरुप – भा. रा. गोगटे, अखिल महाराष्ट्र शारीरिक शिक्षण मंडळ प्रकाशन, पुणे.
2. शारीरिक शिक्षण : ;तत्वे व व्यवस्थाद्ध हिराजी पाटील, ठोकळ प्रकाशन, पुणे.
3. शारीरिक शिक्षणाचे स्वरुप : प्रा. श्रीपाल जर्दे व सौ. सुनिता जर्दे, चंद्रमा प्रकाशन, कोल्हापूर.
4. शारीरिक शिक्षणाचा ओनामा : भा. रा. गोगटे, व्हीनस प्रकाशन, पुणे.
5. क्रीडा मानसशास्त्र : डॉ. प. म. आलेगांवकर, श्री. गजानन बुक डेपो, पुणे–30.
6. शारीरिक शिक्षणाचे आधुनिक स्वरुप : दि. गो. वाखारकर, नीलकंठ प्रकाशन व अध्यापन पध्दती पुणे.
7. Principles of Physical Education : J. F. Williams, W.B. Sanders Complany, Philadelphia, London.
8. Scientific Foundations of Physical Education : C.C. Cowell, Happer and Brothers, New Your.
9. Foundation of Physical Education – C. A. Bucher, W. B. Sanders Company, Philadelphia, London.
10. Recreation and Physical Fitness for Youths and Men : Board of Education, London.
11. Physical Education : Interpretations and objectives – J. B. Nash, The Ronald Press Company – New York.
12. Introduction to Physical Education : L. R. Sharman, A. S. Barnes and Company, New York.
13. कबड्डी – नरेंद्र दाभोळकर, म.वि.ग्रं. नि. मंडळ, नागपूर.
14. कबड्डी – प्रा. श्रीपाल जर्दे व प्रा. विजय पाटील, अंबा प्रकाशन, कोल्हापूर.
15. कबड्डी – प्रा. एन. एम. भैरट.
16. आधुनिक व्हॉलीबॉल – व्यंकटेश वांगवड, गजानन बुक डेपो, पुणे–30.
17. ॲथलेटिक्स – राम भागवत, ट्रॅक ॲन्ड फोल्ड पब्लिकेशन, पुणे–9.

18. मैदानी स्पर्धा व नियम, आयोजन – रमेश तावडे, राम भागवत ट्रॅक अॅन्ड फील्ड प्रकाशन, पुणे.
19. Introduction to Physical Education : Dr.S.D.Chavan.

Nature of Question Paper

B.A.I
Semester I
Int. of Phy. Education Sports
Paper - 1

Q. No. 1 to 4 are Compulsory

Q. 1	**Compulsory**	**10 Mark Descriptive type**
Q-2	**Compulsory**	**10 Mark Descriptive type**
Q-3	**Compulsory**	**20 Mark Short Note -4**
Q-4	**Compulsory**	**10 Mark Objective type**
		05 Mark Choice correct answer
		05 Mark answer in one sentence.

SHIVAJI UNIVERSITY, KOLHAPUR
PHYSICAL EDUCATION (Optional)

Introduced from June, 2013.

B. A. Part I
Semester I
Introduction of Phy. Education and Sports
(Paper – II)

Practicals – 50 Marks

(4 Periods for practical per week)

A batch of 20 students for practical period

Per Unit 15 Period

I) Athletics – 15 Marks

1. Sprint – 100 M – 5 marks.

a) The candidates running 100 Mtrs. Performance- – 3 marks.

100 Mtrs. (Men) - 14.00 to 14.50 Sec. -3 Marks
- 14.50 to 15.50 Sec. - 2 Marks
- 15.50 to 16.50 Sec. -1 Mark

100 Mtrs. (Women)- 16.00 to 16.50 Sec. - 3 Marks

- 16.50 to 17.50 Sec. - 2 Marks

- 17.50 to 18.50 Sec. - 1 Marks

a) For Technique & Modern Style – 2 Marks

2. Shot-put - - 5 Marks

a)	Performance	- 5.50 Mtrs.	- 3 Marks
	(Men)	- 5.00 Mtrs.	- 2 Marks
		- 4.50 Mtrs.	- 1 Mark
	(Women)	- 5.00 Mtrs.	- 3 Marks
		- 4.50 Mtrs.	- 2 Marks
		- 4.00 Mtrs.	- 1 Mark
b)	For Technique & Modern Style		- 2 Marks

II). Long Jump - - 5 Marks

a)	Performance	- 4.50 Mtrs.	- 3 Marks
	(Men)	- 4.25 Mtrs.	- 2 Marks
	(Women)	- 3.00 Mtrs.	- 3 Marks
		- 2.75 Mtrs.	- 2 Marks
	For Technique & Modern Style		– 2 Marks

II) Indian Game : Kabaddi– 10 Marks.

a) Fundamental skills - 6 Marks

b) Knowledge of rules and regulations - 4 Marks

III) Ball Game : Volley ball - 10 Marks

a) Fundamental skills - 6 Marks

b) Knowledge of rules and regulations - 4 Marks

IV) Indian Exercises : - 10 Marks.

A. Suryanamaskar- - 5 Marks

(Boyes-20, Girls-15)

B. Asnas- - 5 Marks

a) पश्चिमोतानासन, भुजंगासन, वज्रासन, हलासन, सर्वांगासन

(टिप – 1. प्रत्येक आसन–2 मिनीटे करणे,

2. सर्वआसने आवश्यक आहेत)

Record Book- 5 Marks

The Record book will cover the following-

i) Brief History

ii) Various diagrams

iii) Name of different

fundamental skill in team events and different styles in Athletic events

iv) Rules and regulations (This should be written as per federation roll book)

The Record book will be assessed internally and mark should be submitted to the External Examination

(N.B.1- Total Passing in practical minimum 17 Marks out of 50)

(N.B.2- practical Examination conducted 3

a) A batch of 20 Students for Practical period & examination

b) One organizer (Internal subject Teacher)

c) Two Examiner appointed by university

d) Peons-Two Peons for Ground marking, water supply equipment supply and colleting etc.

= RESULT SHEET for (Practical) Exam

Exam No.	Roll No.	Name	Athletics	Indian Game	ball Game	Indian Exercises	Record book	Total
			15	10	10	10	05	50

Equivalence

B. A. Part-I	B.A Part-I
Pre-Revised Course	Revised Course
Introduction of Phy. Education and Sports Paper -I Sem.I	Introduction of Phy. Education and Sports Paper -I Sem.I
Introduction of Phy. Education and Sports Paper-II Sem.II	Introduction of Phy. Education and Sports Practical Sem.II

SHIVAJI UNIVERSITY, KOLHAPUR

PROPOSED REVISED SYLLABUS (SEMESTER PATTERN)

FOR B.A. II- PHYSICAL EDUCATION

B.A.PartII (Physical Education)

1 TITLE : Revised syllabus (semester pattern)

Under Faculty of Education

2 YEAR OF IMPLIMENTATION : Revised syllabus will be implemented

From June 2019

3 DURATION : B.A.PartII- Two Semesters (one year)

4 PATTERN OF EXAMINATION : Semesters

A) THEORY EXAMINATION : At the end of semester as per Shivaji University Rules

B) PRACTICAL EXAMINATION : i) in first and Second Semesters (paper no III & IV)

(Paper no V & VI) there will be Conduct of external practical and related mark sheet submitted by external examiner

5 MEDIUM OF INSTRUCTION : English/ Marathi

6 STRUCTURE OF COURSE : B.A.part –II

Two semesters (Sem III and IV)

Four papers

Sr.No.	Paper No.	Semester	Course Title	Distribution of marks		
				Theory	Practical	Total
1	III	III	History of Physical Education	25	25	50
2	IV	III	Organization and Administration in Phy.Edu.	25	25	50
3	V	IV	History of Physical Education	25	25	50
4	VI	IV	Organization and Administration in Phy.Edu.	25	25	50

7 SCHEME OF TEACHING:

Sr.No.	Paper No.	Semester	Course Title	Period/Paper		
				Theory	Practical	Total
1	III	III	History of Physical Education	2	2	4
2	IV	III	Organization and Administration in Phy.Edu.	2	2	4
3	V	IV	History of Physical Education	2	2	4
4	VI	IV	Organization and Administration in Phy.Edu.	2	2	4

8 SCHEME OF EXAMINATION

A) THEORY

The theory exam shall be at the end of each semester.

All theory papers (No. III, IV, V and VI) shall carry 25 marks.

Evaluation of the performance of the students in theory shall be on the basis of semester

Examination as mentioned above.

Question paper will be set in the view of entire syllabus preferably covering each unit of

the syllabus.

Nature of question paper for Theory Examination

Descriptive question having 10 marks (one out of two)

Short note type question having 10 marks (Two out of three)

There will be one objective type question having (multiple choice) 5 marks.

There are two separate heads for passing i.e. Theory and Practical In theory and Practical minimum 9 marks out of 25 is required for passing in each head.

B.A. II (SEM-III) PHYSICAL EDUCATION

Paper No. III Total Credits 4 (2+2)

Paper Title: HISTORY OF PHYSICAL EDUCATION Total Marks: 50

(Theory 25 + Practical 25)

Theory: 02 Lectures/Week/Paper

Practical: 02 Lectures/Week/Batch

OBJECTIVES:

1. To acquaint students regarding reflections of physical education.
2. To aware students about global History of Physical Education.
3. To develop skill of students in relation with application of Philosophy of physical education and Professional approach.

(A)Theory (25marks) content of syllabus **Lectures:**

Module – I **Physical Education in Ancient Times** –

a) Elements of Physical Education in Primitive Societies with reference to Aims, Promotions, Programmes and methods of Physical Education.
b) Physical Education in Ancient India –
   Periods:-
   i. Advent of Aryans 1500 BCE to 600 BCE (Early Period)
   ii. Epic Age 1000 BCE to 600 BCE
   iii. Buddhist Period. 563 BCE to 483 BCE
   According to activities such as Archery, Wrestling, and Yoga etc.

Module – II **Reflections of physical education in Olympic Games** –

a) Ancient Olympic Games (Aim & Nature) :-
   I) Legendary origin,
   II) significance of the games,
   III) eligibility for participation, conduct of events, awards,
   IV) Decline of ancient Olympics.

b) Modern Olympic Games (Aim & Nature) :-
   i) Revival of the Olympic Games.
   ii) Controlling body.
   iii) Olympic flag, Olympic torch.
   iv) Eligibility criteria, venues, events, awards.
   v) Opening and closing of ceremony.

Module – III Asian games

a) History
   i) Prior Information
   ii) Formation
b) Disciplines

B.A. II (SEM-III) PHYSICAL EDUCATION

Paper No. IV Total Credits 4 (2+2)

Paper Title: ORGANIZATION AND ADMINISTRATION IN PHYSICAL EDUCATION AND SPORTS.

Total Marks: 50

(Theory 25 + Practical 25)

Theory: 02 Lectures/Week/Paper

Practical: 02 Lectures/Week/Batch

OBJECTIVES:

1. To acquaint students regarding Organization and conduct of program in physical education.

2. To aware students about conduct of sports events, equipment and facilities, budget making etc.

3. To develop skill of students in relation with application of Principles of Organization and Administration and their Professional service.

Emphasize need of well – defined administrative policies and the means of establishing these

(A)Theory (25marks) content of syllabus **Lectures:**

Module – I THE NATURE AND PHILOSOPHY OF ADMINISTRATION AND MANAGEMENT:

a) Nature of administration and management –
i) Meaning, Definition and Concept of Organization and Administration
ii) Need and Importance of Organization and Administration

b) Philosophy of organization and administration -
i) Principles of Organization in Physical Education and Sports.
ii) Principles of Administration in Physical Education and Sports.

Module – II ADMINISTRATION AND MANAGEMENT OF COMPETITIONS:

a) Competitions of Shivaji University –
i) Inter-collegiate / Zonal Competitions of Shivaji University.
ii) Inter-Zonal Competitions of Shivaji University.
iii) Inter university sports competitions.

B) Human resources for administration and management of competitions.

i) Organization body.

ii) Finance committee

iii) Officials and committees.

Module – III **Organizing and Planning a Quality Physical Education Program**

a) Definition of Physical Education
b) Benefits of a Quality Physical Education Program
c) Essential Components of Physical Education

B.A. II (SEM-III) PHYSICAL EDUCATION

Paper No. III & IV Total Credits 8 (4+4)

PRACTICALS Total Marks: 50 (25 + 25)

Practical: 02 Practical/Week/Batch

a) There are two separate heads for passing i.e. Theory and Practical
b) There should be 20 students in single batch while conducting the Practical Examination. The concern College will make all necessary arrangement including ground marking, Water Supplier, Equipments, availability of sports equipments as well as supportive staff for the purpose.
c) The Practical will carry 50 marks. Divide into two papers even marks should give in paper No. 3 (i. e. 39 marks divided into two papers as paper No. 3 - 20 marks, paper No. 4 - 19 marks)

A) Athletics – 20 Mark

i) Discus Throw **10 Marks**

Performance 06 Marks

Men	Women	Marks
18M.	15M.	06 Marks
16 M.	14M.	04 Marks
14M.	13M.	02Marks

For Techniques & modern Styles 04 Marks

ii) Middle Distance Run

800 M. Running - **10 Marks**

Men	Women	Marks
2.40 Sc.	3.40 Sec.	06 Marks
2.45 Sc.	3.45 Sec.	04 Marks

2.50 Sc. 3.50 Sec. 02 Marks

For Knowledge of Rules & Regulations 04 Marks

B) INDIAN GAME –

i) Kho kho **14 Marks**
Fundamental Skills- 10 Marks

Knowledge of Rules & Regulations - 04 Marks

C) INDIAN EXERCISE 10 Marks
I) Suryanamskar for Men- 20- 05 Marks
Suryanamskar for Women- 15- 05 Marks
II) Yogasans- 05 Marks (Any Five)
Padmasan, PadHastasan, Veerasan, Shawasan,

Shalbhasan, Navkasan, Tadasan, Suptavajrasan.

D) GYMANASTICS 06 Marks
Frrunt Roll, Backroll, Cartwheel

RESULT SHEET = (Practical Examination) 50 Marks

Sem-III Paper- No.- III & IV

Exam no.	Roll no.	Name	Athletics	Indian Exercises	Indian Game	Gymnastics	Total	Paper	
								III	IV
			20	10	14	06	50		

B.A. II (SEM-IV) PHYSICAL EDUCATION

Paper No. V Total Credits 4 (2+2)

Paper Title: HISTORY OF PHYSICAL EDUCATION Total Marks: 50

(Theory 25 + Practical 25)

Theory: 02 Lectures/Week/Paper

Practical: 02 Lectures/Week/Batch

OBJECTIVES:

1. To acquaint students regarding reflections of physical education.
2. To aware students about National History of Physical Education .
3. To develop skill of students in relation with application of Philosophy of physical education and Professional approach.

(A)Theory (25marks) content of syllabus **Lectures:**

Module – I **Physical Education in India –**

a) Development of Physical Education in India :
   i. Mongol Period.
   ii. British Period.
   iii. Post Independence Period.
b) Development of Physical Education in Maharashtra.
   i) Maratha Period : 1600 A. D. onward
   ii) British Period : 1800 A. D. onwards
   iii) Period of Nationalism : 1920 onwards
   iv) Modern Period : 1937 onwards

Module – II Different Institutions for training in Physical Education in India.

a) Netaji subhash National Institute of sports
b) Lakshmibai National Institute of Physical Education
c) Sports India

Module – III Sports Awards in India

a) National Level Awards
   i) Rajiv Gandhi Khel Ratna Award
   ii) Arjun Award
   iii) Dronacharya Award

b) State Level Awards(In Maharashtra)
   i) Shiv Chhatrapati Rajya Krida Puraskar
   ii) Jijamata Rajya Krida Puraksar
   iii) Eklavya Puraskar (For differently abled achievers)
   iv)

B.A. II (SEM-IV) PHYSICAL EDUCATION

Paper No. VI Total Credits 4 (2+2)

Paper Title: ORGANIZATION AND ADMINISTRATION IN PHYSICAL EDUCATION AND SPORTS.

Total Marks: 50

(Theory 25 + Practical 25)

Theory: 02 Lectures/Week/Paper

Practical: 02 Lectures/Week/Batch

OBJECTIVES:

1. To acquaint students regarding Organization and conduct of various competitions.
2. To aware students about conduct of sports events, equipment and facilities, budget making etc. .
3. To develop skill of students regarding preparation of various play fields.
4. Emphasize need of well – defined administrative policies and the means of establishing these.

(A)Theory (25marks) content of syllabus **Lectures:**

Module – I Meets and Tournaments

a) Importance of meets and tournaments.
b) Types of Tournaments –
   i) Knock-out system
   ii) League system
   iii) Combination system.

   (To draw the lots, their merits and demerits)

c) Athletic Meet : Officials, various Committees, Opening ceremony, closing ceremony

Module – II Play ground Standards and Facilities

a) Preparation and Maintenance of Playgrounds.
b) Gymnasium: Standards, Facilities and Maintenances.
c) Lay-out of Play fields – Kabaddi, Kho-Kho, Volleyball, Handball, Cricket, Basket Ball.

Module – III Sport Equipments

a) Policies of purchases of Sports Equipments.
b) Care and Maintenance of Sports Equipments.

B.A. II (SEM-III) PHYSICAL EDUCATION

Paper No. III & IV Total Credits 8 (4+4)

PRACTICALS Total Marks: 50 (25 + 25)

Practical: 02 Practical/Week/Batch

A) Athletics – 20 Mark

i) High Jump 10 Marks

Performance -

Men	Women	Marks
1.30M.	1.10M.	06 Marks
1.25 M.	1.05M.	04 Marks
1.20M.	1.00M.	02Marks

For Techniques & modern Style 04 Marks

ii) Middle Distance Running 10 Marks

1500 M. Running –

Men	Women	Marks
5.45 Sc.	7.00 Sec.	06 Marks
5.50 Sc.	7.10 Sec.	04 Marks
5.55 Sc.	7.20 Sec.	02 Marks

For Knowledge of Rules & Regulations - 04 Marks

B) Ball Game 14 Marks

Hand Ball or Basket Ball

Fundamental Skills- 10 Marks

Knowledge of Rules & Regulations - 04 Marks

C) Ground Marking 06 Marks

Kho-kho/ Hand Ball/ Basket Ball (Any One)

D) Record Book 10 Marks

RESULT SHEET = (Practical Examination) 50 Marks

Sem-IV Paper- No.- V & VI

Exam no.	Roll no.	Name	Athletics	Ground Marking	Ball Game	Record Book	Total	Paper	
			20	06	14	10	50	V	VI

References:

1. E. F. Voltimen and A. A. E. – Islinger – The Organization of Administration of Physical Education.
2. Jay B. Nash – The Administration of Physical Education.
3. Prin. P. M. Joseph – Organization of Physical Education – The Old Student's Association, T.I.P.E., Bombay.
4. Organization of Physical Education – by J. P. Thomas.
5. Administration of School Health and Physical Education Programme – by C. A. Bucher.
6. Williams J. F. and others – The Administration of Health and Physical Education – Philadelphia – W. B. Saunders Co.
7.

SHIVAJI UNIVERSITY, KOLHAPUR

Revised syllabus for

Bachelor of Arts (Part – III)

SEMESTER V & VI

PHYSICAL EDUCATION

Syllabus to be implemented from June 2020 onwards

Structure III : B. A. Programme Specific (PHYSICAL EDUCATION)
Sem V – Duration : 06 Months

Teaching Scheme					Evaluation Scheme					
Sr.No.	Course	Course Name	No. Of Lect.	Hours	Credits	Theory	Practical	Total	Min. Marks for Passing (T+P)	Exam Duration (Hrs.)
1	DSE – E41	HEALTH EDUCATION	2+2	2+2*	4	25	25	50	9+9 = 18**	1
2	DSE – E42	RECREATION IN PHYSICAL EDUCATION	2+2	2+2*	4	25	25	50	9+9 = 18	1
3	DSE – E43	YOGA	2+2	2+2 *	4	25	25	50	9+9 = 18	1
4	DSE – E44	ANATOMY AND PHYSIOLOGY	2+2	2+2*	4	25	25	50	9+9 = 18	1
5	DSE – E45	DIETETICS AND NUTRITION	2+2	2+2*	4	25	25	50	9+9 = 18	1
		Total	20	20	20	125	125	250		

* 02 Hours for Theory and 02 Hours for Practical per paper per week
There should be 20 students in single batch while conducting the Practical's.
** There are two separate heads for passing i.e. Theory and Practical

Structure III : B. A. Programme Specific (PHYSICAL EDUCATION)
Sem VI – Duration : 06 Months

Teaching Scheme					Evaluation Scheme					
Sr.No.	Course	Course Name	No. Of Lect.	Hours	Credits	Theory	Practical	Total	Min. Marks for Passing (T+P)	Exam Duration (Hrs.)
1	DSE – E166	HEALTH EDUCATION PROGRAM	2+2	2+2*	4	25	25	50	9+9 = 18**	1
2	DSE – E167	RESEARCH IN PHYSICAL EDUCATION	2+2	2+2*	4	25	25	50	9+9 = 18	1
3	DSE – E168	YOGA AND HEALTH	2+2	2+2 *	4	25	25	50	9+9 = 18	1
4	DSE – E169	ANATOMY AND PHYSIOLOGY OF EXERCISE	2+2	2+2*	4	25	25	50	9+9 = 18	1
5	DSE – E170	DIETETICS AND HYGIENE	2+2	2+2*	4	25	25	50	9+9 = 18	1
		Total	20	20	20	125	125	250		

* 02 Hours for Theory and 02 Hours for Practical per paper per week
There should be 20 students in single batch while conducting the Practical's.
** There are two separate heads for passing i.e. Theory and Practical

DSE : Discipline Specific Elective – Candidate can opt any one course (subject) from DSC [course (subject) which was opted in Part II (Sem. III & IV)]

Note: DSE Paper No. VII to XVI are elective papers whereas, DSC Paper No. I to VI are core courses. Hence, DSE Paper VII to XVI should be considered in continuation of DSC I to VI

SHIVAJI UNIVERSITY, KOLHAPUR

PROPOSED REVISED SYLLABUS (SEMESTER PATTERN)

FOR B.A. III- PHYSICAL EDUCATION

B.A.PartIII (Physical Education)

1 TITLE	: Revised syllabus (semester pattern) CBCS Under Faculty of Education
2 YEAR OF IMPLIMENTATION	: Revised syllabus will be implemented From June 2020
3 DURATION	: B.A.PartIII- Two Semesters (one year)
4 PATTERN OF EXAMINATION	: Semesters
A) THEORY EXAMINATION	: At the end of semester as per Shivaji University Rules
B) PRACTICAL EXAMINATION	: I) in first and Second Semesters (paper no VII & XI) (Paper no XII & XVI) there will be Conduct of external practical and related mark sheet submitted by external examiner
5 MEDIUM OF INSTRUCTION	: English/ Marathi
6 STRUCTURE OF COURSE	: B.A.part –III Two semesters (Sem V and VI)

7 SCHEME OF EXAMINATION

A) THEORY

The theory exam shall be at the end of each semester.

All theory papers (No. VII to XVI) shall be of one hour's duration carrying 25 marks.

Evaluation of the performance of the students in theory shall be on the basis of semester Examination as mentioned above.

Question paper will be set in the view of entire syllabus preferably covering each unit of the syllabus.

Nature of question paper for Theory Examination

Descriptive question having 10 marks (one out of two)

Short note type question having 10 marks (Two out of three)

There will be one objective type question having (multiple choice) 5 marks.

There are two separate heads for passing i.e. Theory and Practical In theory and Practical minimum 9 marks out of 25 is required for passing in each head.

B) Practical examination conducted -

a) Each batch of 20 students

b) One organizer (Internal subject teacher)

c) Two examiners appointed by University.

d) Peons - Two peons for ground marking, water supply and equipment supply and collecting of materials.

e) Result sheet (Practical)

N.B. 1) two periods for theory + two periods for Practical for each paper — per week.

N.B. 2) the record book/ Project Report will be assessed by internally and marks should be submitted to the external Examiner.

SHIVAJI UNIVERSITY, KOLHAPUR
PHYSICAL EDUCATION (Special)
B. A, Part III
Semester – V
Paper VII
HEALTH EDUCATION

Unit I) Health Education

a) Meaning, definitions of Health Education.

b) Nature and scope of Health Education.

Unit II) Health care

a) **Personal Health**

1) Factor's of Personal Health -I) Physical II) Mental

2) Factors influencing on Health

I) Heredity II) environment II) Habits IV) Exercise

b) **Social Health**

a) Communicable diseases Causes & Prevention

(HIV / AIDS, Malaria, Dengue, Chikungunya, Swine Flu, Corona etc.)

Unit III) Health of the Community

a) Health problems in family, Community, School and Colleges.

Books Recommended

1. Health Education and Hygiene - J. S. Manjal. Universal Publishers, Agra.

2. Health in India - Grant.

3. Preventive and Social Medicine — J. E. Park.

4. Adapted and Corrective Physical Education - Kielly.

5. Applied anatomy and Kinesiology - Rash and Burke.

6. Exercise Physiology - Fox.

7. Physical Education and Health,Singh Mandeep (2009) Khel sahitya Kendra, New Delhi.

8. स्वास्थ्य एवं शारिरीक शिक्षा, शर्मा आर.डी. (१९७७) सोहन प्रिंटींग सर्व्हिस, दिल्ली

9.आपण आणि आपले आरोग्य डॉ. हेगाडे बी. एम. (१९९७) मेहता पब्लिशिंग हाउस, पुणे

Semester - V

Paper- VIII

RECREATION IN PHYSICAL EDUCATION

Unit I Introduction:

a) Meaning .Concept, Definitions, of Rhythm

b) Need & Importance of Rhythmic exercise.

Unit Il a) Meaning, Definitions & Concept of Recreation

b) Aim & Objectives of recreation

Unit III Recent trends in recreation

a) Hiking b) Trekking c) Sports camps and Competitions d) Aerobics and Zumba

Books Recommended

1. An Introduction to Recreation Education – W. B. Saunders Company Philadelphia-1955.
2. Community Recreation - Meyer and Brightbill, Prentice Hall, INC 1966.
3. Leisure and Recreation - Neumeyer and Esther. A. S, Barnes and Company, 1956.
4. क्रीडा व रंजन - डी.व्ही. खासनीस
5. Introduction to Community Recreation - Bultter.
6. Organisation of Physical Education - J. P. Thomas

Semester - V
Paper-IX

YOGA

Unit I) Aim, Objectives and Scope of Yoga in Human Life

Unit II) Yoga and Physical Health: Promotives, Preventive and Curative aspects
Of Physical Health tackled through Yogic practices

Unit III) Yoga and Mental Health: Nature of problems in mental health.
Promotive, Preventive and Curative aspects of mental health throughYogic practices.

Books Recommended

1. Applied Yoga - Dr. M. L. Gharote. Kaivaiyadhama, Lonavala.
2. Yoga and your heart - Datey K. K., Gharote, M. L. and Soli Parri, Jaico Publications, Bombay,
3. Yogic Therapy - Swami KuvalYananda and S. L., Vinekar, Central Bureau of Health Services , New Delhi-1963.
4. Yogasana - A. Teachers guide, N.C.E.R.T. - New Delhi,
5. Teaching methods for yogic practices Dr. M. L. Gharote, Kaivalyadhama, Lonavala.
6. Light on Yoga - B. S, lyangar.
7. आरोग्याची गुरूकिल्ली - डॉ. गुंडे, कोल्हापूर
8. योगाभ्यास - सुखी जीवन, श्रीपाल जर्दे (१९९५) चंद्रमा प्रकाशन कोल्हापूर

Semester - V
Paper-X

ANATOMY AND PHYSIOLOGY

Unit I) Introduction:

a) Anatomy, Physiology -Meaning. definition and importance.

b) The cell and its parts.

Unit-II) Skeletal and Muscular System

a) Types of Bones and names of various bones of the body.

b) Various types of joints and major movements around them.

c) Structural classification of skeletal muscle, structure and functions of skeletal muscle.

Unit III) Respiratory System:

a) The nose, pharynx, larynx, trachea, bronchioles, lungs - structure and functions.

b) Vital capacity, Second wind.

c) Effect of exercise on respiratory system

Books Recommended

1. Scatt K Power T Howley-exercise physiology theory and application Of fitness and performance publisher, McGrow Hill Higher education.
2. Graham Thompson-Physical Education Anatomy and exercise physiology publisher Hodder education, Great Britain.
3. Avelin C Pearce - Anatomy and physiology for Nurse-Oxford university press New Delhi (2003)

Semester - V
Paper-XI

DIETETICS AND NUTRITION

Unit I) Diet components

Carbohydrates, Proteins, Fats, vitamins. Mineral Fibers and water (need & importance)

Unit II) Balance Diet:-

Meaning. Definition and sources.

Unit III) Malnutrition

a) Under weight-causes, sign and symptoms.

b) Obesity - causes, types, Signs and symptoms.

Books Recommended

1. Handbook of Hygiene and Public Health - U. Bedi, Anand Publishing Company, Amritsar, 1962.
2. Nutrition and Physical Fitness - Bogert, Briggs and Galloway, W.B. -Saunders Co. 1966.
3. Human Nutrition and Dietics - Davidson and Passmore, The Williams and Wilkins Co., 1966.
4. Preventive and Social Medicine J. E. Park.
5. Nutrition - Dr. Swaminathan
6. Diet, Health & exercise- major chas G.Perciral (2012),Khe! sahitya Kendra,New Delhi.
7. Physical fitness & Health, Dr.Gupta M.C. (2012) Khel sahitya Kendra.New Delhi.
8. स्वास्थ्य एवं शारिरीक शिक्षा, शर्मा आर.डी. (१९७७) सोहन प्रिंटींग सर्व्हिस, दिल्ली
9. आपण आणि आपले आरोग्य डॉ. हेगाडे बी. एम. (१९९७) मेहता पब्लिशिंग हाउस, पुणे
10. आहारशास्त्र - सौ. मोमीन एस.एस. (२०११), सिराजोशफी प्रकाशन, कोल्हापूर
11. अन्नशास्त्र - कुकडे सु.रा. शेंडे - गोगटे, प्रा. डॉ. पानसे के.व्ही. (१९८९) कॉन्टिनेन्टल प्रकाशन पुणे
12. आहारशास्त्राची मुलतत्वे - महाजनी स्नेहा (१९७८) श्री मंगेश प्रकाशन, नागपूर

SHIVAJI UNIVERSITY, KOLHAPUR

B. A. Part III

Semester - VI

Paper-XII

HEALTH EDUCATION PROGRAM

Unit I) Health Programme

a) Importance of exercises in health and fitness.

b) Drugs, Alcohol and Tobacco-Adverse effect on performance.

Unit II) Population Education

a) Need Importance and Scope of population education.

b) Role of Health education in population education.

Unit III) World Health Organization (WHO)

a) Aims & Objectives, program and projects

b) World Health Organization - India

c) HIV / AIDS - causes, symptoms and prevention.

Books Recommended

1. Health Education and Hygiene - J. S. Manjal. Universal Publishers, Agra.
2. Health in India - Grant.
3. Preventive and Social Medicine — J. E. Park.
4. Adapted and Corrective Physical Education - Kielly.
5. Applied anatomy and Kinesiology - Rash and Burke.
6. Exercise Physiology - Fox.
7. Physical Education and Health, Singh Mandeep (2009) Khel sahitya Kendra, New Delhi.
8. स्वास्थ्य एवं शारिरीक शिक्षा, शर्मा आर.डी. (१९७७) सोहन प्रिंटींग सर्व्हिस, दिल्ली
9. आपण आणि आपले आरोग्य डॉ. हेगाडे बी. एम. (१९९७) मेहता पब्लिशिंग हाउस, पुणे

Semester - IV
Paper-XIII

RESEARCH IN PHYSICAL EDUCATION

Unit I) Research – Concept, Meaning and Definition

Unit II) Types of research

Unit III) Research Process

i) Stages in research process

Books Recommended

1. Barrow, H. M. (1979). Practical Approach to Measurement in Health & Physical Education. (3rd ed.). Philadelphia: Lee & Febigeer

2. Best, J. W. & Kahn, J. V. (2006). Research in Education.(10th ed.). New Delhi: PHI

3. Clark, D. H. & Clark, H. H. (1979). Research process in Physical Education, recreation & health. Englewood Cliffs: prentice Hall.

4. Johnson, B. & Christensen, L. (2008). Education Research, Quantitative, Qualitative and Mixed Approaches. (3rd ed.). Sage Publication: England.

5. Miller, David. K. (2002). Measurement by the Physical Educator. New York: McGraw Hill companies. John & Nelson (1998). Practical Measurements for Evaluation in Physical Education. Delhi: Surjit Publication.

6. Sprinthall, R. C. (1997). Basic statistical Analysis. (5th ed.). USA: Allyn & Bacon

7. Thomas, J. R. & Nelson, J. K. (2001). Research Methods in Physical Education, (4th ed.). USA: uman Kinetics.

8. आगलावे, प्र.ना. (२०००). संशोधन पद्धतीशास्त्र व तंत्रे (प्रथम आवृत्ती), नागपूर : विद्या प्रकाशन.

9. जर्दे श्री.आ. (१९९५) शारीरिक शिक्षण संशोधन तंत्र व पध्दती (द्वितीय आवृत्ती) कोल्हापूर : चद्रमा प्रकाशन

Semester - VI
Paper-XIV
YOGA AND HEALTH

Unit I) Relationship of Yoga with Emotional Health.

Unit II) a) Structure of Human body and yogasanas.

b) Effect of yogic exercises on respiratory and nervous system.

Unit III) Yoga and Sports: Psychophysical basis of promoting sports career. Contribution of yogic practices for the development of Sports performances.

Reference Books

1. Applied Yoga - Dr. M. L. Gharote, Raivalyadhama, Lonavala.
2. Yoga and your heart - Datey K. K., Gharote, M. L. and Soli Parri, Jaico Publications, Bombay.
3. Yogic Therapy - Swami Kuval Yananda and S. L., Vinekar, Central Bureau of Health Services, New Delhi-1963.
4. Yogasana - *A.* Teachers guide, N.C.E.R.T. - New Delhi.
5. Teaching methods for yogic practices Dr. M, L. Gharote, Kaivalyadhama, Lonavala.
6. Light on Yoga - B. S. lyangar.
7 आरोग्याची गुरुकिल्ली - डॉ. गुंडे कोल्हापूर
8 योग आणि आरोग्य - डॉ. गुंडे कोल्हापूर
9. योगाभ्यास - सुखी जीवन, श्रीपाल जर्दे (१९९५) चंद्रमा प्रकाशन कोल्हापूर

Semester - VI
Paper-XV

ANATOMY AND PHYSIOLOGY OF EXERCISE

Unit-I) Circulatory System:

A) Blood - Its constituents and functions, Heart - its structure and function.

B) Blood pressure, Pulse, Blood groups, Oxygen debt.

Unit-II) Digestive System:

A) Organ of digestive system - Mouth, teeth, salivary glands, pharynx, oesphages, stomach, small and large intestine, pancreas, liver, structure and function - in brief.

B) Excretory System:

Kidney and skin - it's Structure and function

Unit-Ill) Nervous System:

Structure of brain and spinal cord, Reflex action.

Books Recommended

1. Willimore,jack and costal,David L.Physiology of sports and exercise, Human kinetics 1994.
2. Rowl and, Thomas W.Childrens exercise physiology second edition Human Kinetics,2005.
3. Fox E.L.Physiological basis of physical education and athletics, Brown Pub. 1989.

Semester VI
Paper-XVI
DIETETICS AND HYGIENE

Unit I) Food sources and the their effect

a) Natural food

b) Impure food

c) Processed food

d) Stimulants

Unit II) Athlete Diet

Meaning .Need and importance.

Unit III) Immunity

a) Personal hygiene - desirable hygiene habits

b) School Health programme – service, supervision.

Books Recommended

1. Handbook of Hygiene and Public Health - U. Bedi, Anand Publishing Company, Amritsar, 1962.
2. Nutrition and Physical Fitness - Bogert, Briggs and Galloway, W.B. -Saunders Co. 1966.
3. Human Nutrition and Dietics - Davidson and Passmore, The Williams and Wilkins Co., 1966.
4. Preventive and Social Medicine J. E. Park.
5. Nutrition - Dr. Swaminathan
6. Diet, Health & exercise- major chas G.Perciral (2012),Khe! sahitya Kendra,New Delhi.
7. Physical fitness & Health, Dr.Gupta M.C. (2012) Khel sahitya Kendra.New Delhi.
8. स्वास्थ्य एवं शारिरीक शिक्षा, शर्मा आर.डी. (१९७७) सोहन प्रिटींग सर्व्हिस, दिल्ली
9. आपण आणि आपले आरोग्य डॉ. हेगाडे बी. एम. (१९९७) मेहता पब्लिशिंग हाउस, पुणे
10. आहारशास्त्र - सौ. मोमीन एस.एस. (२०११), सिराजोशफी प्रकाशन, कोल्हापूर
11. अन्नशास्त्र - कुकडे सु.रा. शेंडे - गोगटे, प्रा. डॉ. पानसे के.व्ही. (१९८९) कॉन्टिनेन्टल प्रकाशन पुणे
12. आहारशास्त्राची मुलतत्वे - महाजनी स्नेहा (१९७८) श्री मंगेश प्रकाशन, नागपूर

SHIVAJI UNIVERSITY, KOLHAPUR

B. A. III (Practical)

SEMESTER V

Practical (New Course) Applicable from June 2020 and onwards

Paper VII to XI

Parameter for Practical Examinations

1) Athletics - 5000 meter run, Triple Jump, Javelin Throw. -- (Men)

3000 meter run, Triple Jump, Javelin Throw. -- (Women)

(Different Styles. Modern Techniques & performance)

2) Weight Lifting - Different Styles, Modern Technique and Performance

3) Badminton OR Table Tennice

4) Asana -

A) Ten Minutes sitting in any meditative Asana

B) Matsyasana, Akarna Dhanurasana, Suptavajrasana, Ardhamachhindrasana, Buddha Padmasana

C) Pranayama - Anulom Vilom, Bhastrika, Bhramri, Shitkari, Shitali

5) First Aid - Practical

A) First Aid - Meaning, Objectives, Important rules

B) Material in the First Aid Box

C) Fracture - Types, Signs and Symptoms - Use of Sling and Splint

D) Bleeding - Types, Signs and Symptoms - Use of Sling and Splint

E) Artificial Respiration - Meaning and Method of Artificial respiration

(Any Two)

F) Bandage, Meaning, Types, Way of applying sling, simple dressing

6) Wrestling - Performance and Rules

7) Judo OR Fencing - Various Techniques

8) Recreational Game

Marking System

	MEN	WOMEN
Athetics	45	45
Weight lifting	15	15
Badminton OR T.T.	10	10
Asana and Pranayan?	15	15
First Aid	10	10
Wrestling	15	15
Fencing OR Judo	10	10
Recreational Game	05	05
Total	125	

PARAMETERS FOR PRACTICAL EXAMINATION

1) Athletics -

1) A) Tripple Jump

MEN

Marks		Minimum Performance
8	-	9 Meters and Above
6	-	8 to 9.9 Meters
4	-	7 to 8.9 Meters
2	-	6 to 7. 9 Meters

WOMEN

Marks		Minimum Performance
8	-	8 Meters and Above
6	-	7 Meters
4	-	6 Meters
2	-	5 Meters

(8 Marks for performance, 7 Marks for Technique and style,)

B) Jeveline Throw

MEN

Marks		Minimum Performance
8	-	25 Meters and Above
6	-	22 to 29.99 Meters
4	-	19 to 26.99 Meters
2	-	16 to 23 9 Meters

WOMEN

Marks		Minimum Performance
8	-	20 Meters
6	-	18 Meters
4	-	16 Meters
2	-	14 Meters

(8 Marks for performance, 7 Marks for Technique and style,)

C) Running

MEN 5000 Meter Running

Marks		Minimum Performance
8	-	30 Minutes
6	-	34 Minutes
4	-	36 Minutes
2	-	38 Minutes

WOMEN 3000 Meter Running

Marks		Minimum Performance
8	-	15 Minutes
6	-	16 Minutes
4	-	17 Minutes
2	-	18 Minutes

(8 Marks for performance, 7 Marks for Technique and style,)

Weight Lifting

(Different Styles, Modern Technique and Performance)

MEN

Marks		Minimum Performance
5	-	115 Kg
4	-	110 Kg
3	-	105 Kg
2	-	95 Kg
1	-	85 Kg

WOMEN

Marks		Minimum Performance
5	-	90 Kg
4	-	80 Kg
3	-	70 Kg
2	-	65 Kg
1	-	60 Kg

4) Asana (15 Marks)

A) 10 Minutes sitting in any modified asana - 5 Marks

B) From Section (b) the practical syllabus
- Two asana of student choice - 5 Marks
- Two asana of examiners choice

C) From section (C) Practical Syllabus
- One pranayama from student choice - 5 Marks
- One pranayama from examiners choice

5) First Aid 10 marks

- Oral Knowledge test - 5 Marks
- Practical Knowledge test - 5 Marks

(Use of Bandage - Use of Splint - Use of tourniquet)

6} Wrestling **(10 Marks)**

Performance 6 Marks
Rules 4 Marks

7) **Judo OR Fencing** **(10** Marks)

Various Technique 6 Marks
Rules 4 Marks

8) **Recreational Game** 05 Marks

(Presentation of any one recreational Game)

SHIVAJI UNIVERSITY, KOLHAPUR

B. A. III (Practical)

SEMESTER VI

Practical (New Course) Applicable from June 2020 and onwards

Paper XII to XVI

Parameter for Practical Examinations

1) Athletics - 110 Meters Hurdles (MEN),

100 Meters Hurdles (WOMEN), Relay (4 X 100 Meters)

2) Gymnastics - Ground Exercises - Front Role, Back Role, Cartwheel,

Dive and Role, Hand Stand

3) Marking of Track

4) Ball Game-

Foot Ball OR Cricket

1- Fundamental Skills

2- Rules and Regulation (Tested Orally)

5) Record Book/Project

6) Educational Tour and Report

Marking System

	Boys		**Girls**
Athletics	**30**	**-**	**30**
Gymnastics	**10**	**-**	**10**
Marking of Truck	**20**	**-**	**20**
Ball Game	20	-	20
Record **Book**	**20**	-	20
Study **Tour & Report**	**25**	**-**	**25**
Total		**125**	

PARAMETERS FOR PRACTICAL EXAMINATION

1) Athletics –

Men

110 Meters Hurdles

Marks		Minimum Performance
8	-	20 second and below
6	-	20.01 to 24 second
4	-	24.01 to 26 second
2	-	26 second and above

Women

Marks		Minimum Performance
8	-	25 second and
6	-	25.01 to 29 second
4	-	29.01 to 33 second
2	-	33.01 to 37 second

(8 Marks for performance, 7 Marks for Technique and style,)

3) Relay Marks (4 x 100 m.) (15 Marks)

- Batten Exchange Technique - 10 Marks
- Viva Voce - 05 Marks

2) Gymnastics - 10 Marks

1) Forward Roll 2) Backward Role

3) Dive and Roll 4) Cartwheel

5) Hand Stand (Each Event 2 Marks)

3) Marking of Track - 20 Marks

(Student should marks the sectors of the following Events, on the ground only)

(Shot-put, Javelin Throw and Discus Throw)

A) Sector Marking for above three events 4 Marks

B) Marking of 400 Met. Track

- Marking of 400 met. Track 4 Marks
- Marking of starting and finishing line 4 Marks

C) (100 met. Running, 100 met. Hurdles, 110 met. Hurdles) 4 Marks

D) Marking of staggers Distance

(200 met. Running, 400 met. Running, 800 met. Running) 4 Marks

4) Ball Game –

Foot Ball or Cricket 20 Marks

A) Fundamental Skills 12 Marks

B) Rules and Regulation (Tested Orally) 08 Marks

5) Record Book / Project 20 Marks

6) Educational Tour and Report 25 Marks

प्रश्नपत्रिकेचे स्वरूप खालील प्रमाणे राहील

लेखी प्रश्नपत्रिकेचे स्वरूप

गुण :- २५ **वेळ :- १ तास**

प्रश्न १	दीर्घ उत्तराचा प्रश्न किंवा दीर्घ उत्तराचा प्रश्न	१० गुण
प्रश्न २	टीपा द्या (एकूण ३ पैकी २)	१० गुण
प्रश्न ३	पर्यायी उत्तर द्या	५ गुण

Mark list – V Semester

Roll No.	Exam No.	Name of the Student	Athletics	Weight Lifting	Badminton / T.T.	Asana	First Aid	Wrestling	Fencing Or Judo	Recreational Game	Total	Paper				
			1	2	3	4	5	6	7	8						
			45	15	10	15	10	15	10	05	125					
												7	8	9	10	11

Mark list – VI Semester

Roll No.	Exam No.	Name of the Student	Athletics	Gymnastic	Track marking	Ball Game	Record Book	Study Tour	Total	Paper				
			1	2	3	4	5	6						
			30	10	20	20	20	25	125					
										12	13	14	15	16

Estd. 1962
"A++" Accredited by NAAC (2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग – ०२३१–२६०९०९४

Ref. No./SU/BOS/Humanities/541 Date :19/07/2023

To,
The Principal,
All Concerenced Affiliated Colleges/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. A. Part II (sem. III & IV) degree programme under the Faculty of Humanities as per National Education Policy, 2020 (NEP)

Sir/Madam,

With reference to the subject mentioned above I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi, equivalence and nature of question paper of B. A. Part II (Sem. III & IV) under the Faculty of Humanities as per National Education Policy, 2020. (NEP)

English (Comp.)	English (Opt.)	Linguistics (I.D.S.)	Sanskrit	Kannada
Business Administration	Marathi	Ardhamagadhi	Hindi	Urdu
S.P. & Comm. Corresp.	Sociology	Political Science	Psychology	Economics
Industrial Psychology	Geography	Human Development	Philosophy	History
Defence Study (Entire)				

This syllabi shall be implemented from the academic year 2023-24 onwards . A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

For students of Distance Education this syllabi be implemented from the academic yerar 2023-24.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully

Encl : As above

(Dr. S. M. Kubal)
Dy. Registrar

Copy to, For Information and necessary action.

Dean, Faculty of Humanities.	Computer Center/I. T. Cell.
Chairman, B.O.S./Ad-hoc oard under faculty of Humanities.	Eligibility Section.
Director, Board of Examinations & Evaluation	P. G. Seminar Section.
Appointment Section A & B	Distance Education Section.
B. A. Exam. Section.	Affiliation Section (T. 1 & T 2)
P. G. Admission Section.	

Estd. 1962

Accredited by with NAAC 'A++' Grade

Faculty of Humanities

CHOICE BASED CREDIT SYSTEM

Revised Syllabus in accordance with NEP, 2020

Syllabus for

B. A. Part II (Sem III & IV)

Sociology

Rural Development (IDS) &

Social Ecology (IDS)

(Revised Syllabus to be implemented from June, 2023 onwards)

B. A. Part- II (Semester- III & IV) Sociology Course Structure
From June 2023
Equivalence Table

B. A. Part- II (Sem- III)

Paper No.	**Paper title of Old Syllabus**	**Paper No.**	**Paper title of New Syllabus**
DSC- D 3 Paper No. III	Social Issues in India	DSC – III Paper No. III	Social Issues in India
DSC- D 4 Paper No. IV	Social Movement in India	DSC – IV Paper No. IV	Social Movement
CGE Paper – I	Introduction to Rural Development	IDS – I	Introduction to Rural Development
CGE Paper – I	Social Ecology	IDS – I	Social Ecology

B. A. Part- II (Sem- IV)

Paper No.	**Paper title of Old Syllabus**	**Paper No.**	**Paper title of New Syllabus**
DSC- D 31 Paper No. V	Gender and Violence	DSC – V Paper No. V	Gender and Violence
DSC- D 32 Paper No. VI	Sociology of Health	DSC – VI Paper No. VI	Sociology of Health
CGE Paper – II	Rural Development in India	IDS – II	Rural Development in India
CGE Paper – II	Social Ecology	IDS – II	Social Ecology

Shivaji University, Kolhapur

SYLLABUS - Choice Based Credit System

B.A. Part – II – DSC – III

Semester - III, Paper No. III - Social Issues in India

Sociology Course - 3, June 2023 onwards

This course introduces students a sociological study of social issues. This paper aims to draw attention of the students for to need to study socio-cultural, economic and legal issues in India.

Course Objective-

1. To introduce social issues to the students.
2. To make able the students to identify the social issues.
3. To make understand socio-cultural issues.
4. To imbibe the remedies for socio-cultural, economic and legal issues.

Course Outcomes-

1. Students get well acquainted with social issues.
2. The students learn how to identify the causes of the social issues.
3. The students learn to understand the remedies for socio, cultural, economic and legal issues.

	Topic	Teaching Hours	Credits
Model - I	**Social Issues** A) Nature of Social Issues B) Classification of Social Issues C) Need for study for Social Issues	**15**	**1**
Model - II	**Socio-Cultural Issues** A) Communalism : Meaning, Causes and Remedies B) Female-Foeticide : Meaning, Causes and Remedies	**15**	**1**

Model - III	**Socio-Economic Issues** A) Poverty : Meaning, Causes and Remedies B) Unemployment : Meaning and Remedies	**15**	**1**
Model - IV	**Socio-Legal Issues** A) Human Rights : History, Fundamental Rights in Indian Constitution B) Cyber Crime : Meaning, Causes and Remedies	**15**	**1**

Reference Books-

1. जी. एल. शर्मा: सामाजिक मुद्दे, 2017, रावत पब्लिकेशन, जयपूर.
2. राम आहुजा: सामाजिक समस्या, 2000, रावत पब्लिकेशन, जयपूर.
3. राम आहुजा: सोशल प्रोब्लेम्स इन इंडिया, 2014, रावत पब्लिकेशन, जयपूर.
4. भार्गव नरेश: वैश्विकरण: समकालीन परीपेक्ष्य, 2014, रावत पब्लिकेशन, जयपूर.
5. राजविवेक एस. : समकालीन भारतीय मुद्दे (समस्या एवं समाधान), 2013-14 सिव्हील सर्विसेस, टाईम्स न्यू दिल्ली
6. रावत हरिकृष्ण, उच्चतर समाजशास्त्र विश्वकोश, 2014, रावत पब्लिकेशन, जयपूर.

Equivalence of B.A.II Sociology

Sr. No.	Title of Old Paper	Title of New Paper
1.	Sem-III, Paper No. III Social Issues in India	Sem-III, Paper No. III Social Issues in India

Shivaji University, Kolhapur

SYLLABUS - Choice Based Credit System

B.A. Part – II – DSC – IV

Semester - III, Paper No. IV - Social Movement

Sociology Course - 4, June 2023 onwards

This paper aims to draw attention to the variety of ideas and debates about India. Further, it critically engages with the multiple socio-political forces and ideologies which shape the terrain of the nation.

Course Objective-

1. To make understand the social movements.
2. To make able the students to find the problems of social movements.
3. To give knowledge about peasant, *dalit* and tribal movement in depth.

Course Outcomes-

1. Students will get the outline of the social movement.
2. Students get well acquainted with the problems of social movement.
3. The students get aware with engagement of socio-political forces and ideologies.

	Topic	Teaching Hours	Credits
Model - I	**Social Movement** A) Meaning and Characteristics of Social Movement B) Elements of Social Movements C) Importance of Social Movement.	**15**	**1**
Model - II	**Peasant Movement** A) Peasant Problems in India B) Major peasant Movement in Maharashtra C) Impact of Peasant Movement	**15**	**1**

Model - III	**Dalit Movement** A) Dalit Problems in India B) Major Dalit Movement in Maharashtra C) Impact of Dalit Movement	**15**	**1**
Model - IV	**Tribal Movement** A) Tribal Problems in India B) Major Tribal Movement in Maharashtra C) Impact of Tribal Movement	**15**	**1**

Reference Books:

1. Gandhi and Ambedkar, Ambedkar, B. R., 1971 [1936], Annihilation ofCaste, Jullunder: Bheem Patrika
2. Dalit Politics, Shah, G., 2001, Dalit Identity and Politics, New Delhi:Sage Publications, Pp.17-43
3. Mobility and Change, Srinivas, M.N., 1956, 'A Note on Sanskritizationand Westernization', The Far Eastern Quarterly, 15(4), Pp. 481-496
4. Women's Movement : Menon, N., (ed.) 1999, Gender and Politics inIndia, Delhi: Oxford University Press, pp.342-369.
5. Peasant Movements : Pouchepadass, J., 1980, 'Peasant Classes in Twentieth Century Agrarian Movements in India', in E. Hobsbawm (ed.)Peasants in History, Delhi: Oxford University Press, Pp.136-155
6. भारतातील दलित समाज : सुखदेव थोरात, 2009, सेज पब्लिकेशन, न्यू दिल्ली
7. समाजशास्त्रातील मुलभूत संकल्पना: सर्जेराव साळुंखे, निराली प्रकाशन, पुणे.
8. भारतातील सामाजिक चळवळी: घनश्याम शहा, 2014 सेज पब्लिकेशन, न्यू दिल्ली.
9. सामाजिक चळवळी आणि सरकार: घनश्याम शहा, अनुवाद - योगिनी वेंगुर्लेकर, 2009, डायमंड पब्लिकेशन, पुणे.
10. भारतातील सामाजिक चळवळी: खंडेरावजी एस. साळुंखे, 2018, निर्मिती संवाद, कोल्हापूर.

Equivalence of B.A.II Sociology

Sr. No.	Title of Old Paper	Title of New Paper
1.	Sem-III, Paper No. IV Social Movement in India	Sem-III, Paper No. IV Social Movement

Shivaji University, Kolhapur

SYLLABUS - Choice Based Credit System

B. A. Part – II - DSC – V

Semester - IV, Paper No. V - Gender and Violence

Sociology Course - 5, June 2023 onwards

Gendered violence is routine and spectacular, structural as well as situated. This course attempts to provide an understanding of the logic of that violence, awareness of its most common forms and tries to equip the students with a sociologically informed basis for making pragmatic, ethical and effective choices while resisting or intervening in the context of gendered violence.

Course Objective-

1. To provide an understanding of the logic of violence.
2. To make aware the students about domestic violence.
3. To make aware the students about nature of violence against women.
4. To make an outline before the students about women's harassment at work place.

Course Outcomes-

1. The students get well acquainted with the variety of violence against women.
2. The students will come to know causes and remedies for the violence.
3. The students learn diverse types of women's harassment at workplace.

	Topic	Teaching Hours	Credits
Module – I	**Gender and Violence** A) Meaning of Gender B) Nature of Gender Violence C)Major Gender Issues.	**15**	**1**
Module – ll	**Domestic Violence** A) Meaning of Domestic Violence B) Dowry : Causes and Remedies C) Divorce : Causes and Remedies	**15**	**1**

Module – lll	**Violence Against Women** A) Nature of Violence Against Women a) Tribal Women b) Rural Women c) Urban Women B) Remedies on Violence Against Women a) Welfare Remedies b) Legal Remedies	**15**	**1**
Module – IV	**Womens' Harassment at workplace** A) Nature of Womens' Harassment B) Types of Womens' Harassment C) Remedies and Vishakha Guidelines Acts, 2013	**15**	**1**

References:

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2. Wies, Jennifer R. Anthropology at the Front Lines of Gender-Based Violence.
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4. Kannabiran, Vasanth and Kalpana Kannabiran, Caste and Gender: Understanding Dynamics of Power and Violence, Economic and Political Weekly, Vol. 26, No. 37 (Sep. 14, 1991), pp. 2130-2133.
5. Irudayam, Aloysius, Jayshree P Mangubhai, and Joel G Lee. Dalit Women Speak Out. Chapters. 1, 3, 4, 13 and 14.
6. Karlekar, Malavika. Domestic Violence, Economic and Political Weekly, Vol. 33, No. 27 (Jul. 4-10, 1998), pp. 1741-1751
7. Agnes, Flavia, 'My Story, Our Story: Building Broken Lives' Mumbai: Majlis. 1984.
8. Chowdhry, Prem. Enforcing Cultural Codes: Gender and Violence in Northern India, Economic and Political Weekly, Vol. 32, No. 19 (May 10-16, 1997), pp.

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10. Butalia, Urvashi. The Other Side of Silence. Durham, NC: Duke University Press, 2000. Chapter 4, Pp. 104 - 171
11. MacKinnon, Catharine A. Only Words. Cambridge, Mass.: Harvard University Press, 1993. Chapter II Racial and Sexual Harassment. Pp. 43– 68.
12. Tejani, Sheba. Sexual Harassment at the Workplace: Emerging Problems and Debates, Economic and Political Weekly, Vol. 39, No. 41 (Oct. 9-15, 2004), pp. 4491-4494
13. Box, Steven. Power, Crime, and Mystification. London: Routledge, 1989. Chapter 4. Rape and Sexual Assaults on Women Pp. 120 - 165
14. Scully, Diana and Joseph Marolla. "Riding the Bull at Gilley's": Convicted Rapists Describe the Rewards of Rape, Social Problems, Vol. 32, No. 3 (Feb., 1985), pp. 251- 263
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16. Omvedt, Gail, Violence Against Women: New Movements and New Theories in India. Delhi: Kali for Women, 1990. Pp. 1-40
17. Das, Veena & Kim Turcot DiFruscia. Listening to Voices: An Interview with Veena Das, Altérités, vol. 7, no 1, 2010 : 136-145.
18. Naquvi, Farah. This Thing called Justice: Engaging Laws on Violence against Women In India, in Bishakha Dutta (ed.), Nine Degrees of Justice: New Perspectives on Violence Against Women in India. Delhi: Zuban, 2010.
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20. Welchman, Lynn, and Sara Hossain. "Honour". London: Zed Books, 2005. Chapter 2. 'Crimes of Honour': Value and Meaning Pp. 42-64

21. Loy, Pamela Hewitt, and Lea P. Stewart. 'The Extent and Effects of the Sexual Harassment of Working Women'. Sociological Focus 17.1 (1984): 31-43.

22. Pickup, Francine, Ending Violence against Women: A Challenge for Development and Humanitarian Work, London: Oxfam, 2001. Chapter 5. Direct support to the survivors of violence & Chapter 8. Challenging the State.

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Equivalence of B.A.II Sociology

Sr. No.	Title of Old Paper	Title of New Paper
1.	Sem- IV, Paper No. V Gender and Violence	Sem- IV, Paper No. V Gender and Violence

Shivaji University, Kolhapur

SYLLABUS - Choice Based Credit System

B. A. Part – II - DSC – VI

Semester - IV, Paper No. VI - Sociology of Health

Sociology Course - 6, June 2023 onwards

The course introduces students to the sociology of health, illness and medical practice by highlighting the significance of socio-cultural dimensions in the construction of illness and medical knowledge. Theoretical perspectives examine the dynamics shaping these constructions. Negotiations of health and illness are explored through ethnographies.

Course Objective-

1. To introduce the students to the sociology of health, illness and medical practices.
2. To make understood the students about major diseases in India.
3. To explore health and life style among the students.
4. To make aware the students about health policies in India.

Course Outcomes-

1. Students get understood the sociology of health and major diseases in India.
2. Students learn health remedies, modern life style impacted on human health.
3. Students get aware with public health policies in India.

	Topic	Teaching Hours	Credits
Model - I	**Introduction to Sociology of Health** A) Meaning and Nature of Sociology of Health B) Subject Matter of Sociology of Health C) Importance of Sociology of Health	**15**	**1**

Model - II	**Major Diseases in India** A) Diabetes - Causes and Remedies B) Heart Diseases - Causes and Remedies C) Cancer - Causes and Remedies	**15**	**1**
Model - III	**Lifestyle and Health** A) Traditional Lifestyle and Health B) Modern Lifestyle and Health C) Remedies on Health Problems	**15**	**1**
Model - IV	**Health Policy in India** A) Health Policy for Children and Women B) Health Policy for Old Age C) Health Policy for People Below Poverty Line (BPL)	**15**	**1**

Reference Books:

1. Turner, Bryan, S. (1995) Medical Power and Social Knowledge. London, Sage, Chapters 1 and 2 and 3. Pages (1-54).
2. Boorse, Christopher (1999) On the distinction between Disease and Illness. In (eds.) James Lindermann Nelson and Hilde Lindermann Nelson, Meaning and Medicine: A Reader in the Philosophy of Healthcare, New York: Routledge. (Pages 16-27)
3. Kleinman, Arthur (1988) The Illness Narratives: Suffering, Healing and the Human Condition. New York : Basic Books Inc. Publishers. Chapter (Pages 3-30).
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5. Morgan, Lynn. Morgan (1987) Dependency Theory and the Political Economy of Health: An Anthropological Critique. Medical Anthropology Quarterly, New Series, Vol.1, No.2 (June, 1987) pp. 131-154.
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17. Qadeer, Imrana (2011) Public Health In India, Delhi: Danish Publishers, Part III, (Pages 221-252).
18. Good, Byron (1994) Medicine, Rationality and Experience: An Anthropological Perspective. Cambridge: Cambridge University Press. Chapter 6. (Pages 135- 165).

19. Annandale, Ellen (1988) The Sociology of Health and Medicine,Cambridge: Polity Press.
20. Banerji, Debabar (1984) The Political Economy of Western Medicine in Third World Countries. In (ed.) John McKinlay Issues in the Political Economy of Healthcare. New York: Tavistock.

Equivalence of B.A.II Sociology

Sr. No.	**Title of Old Paper**	**Title of New Paper**
1.	Sem-IV, Paper No.VI Sociology of Health	Sem-IV, Paper No.VI Sociology of Health

Shivaji University, Kolhapur

SYLLABUS- Choice Based Credit System

B. A. II (I.D.S.)

Semester - III Paper No. I - Introduction to Rural Development

Rural Development (I.D.S.) Course, June 2023 onwards

Course Objective-

1. To understand the importance of rural development.
2. To create the rural development awareness.
3. To provide information regarding government agencies and NGO's.
4. To make students aware with co-operatives in rural development.

Course Outcomes-

1. Students learn to problems of rural society.
2. Students get well acquainted with role of government agencies and NGO's.
3. Students understand how to relate their own life with rural life.

	Topic	Teaching Hours	Credits
Model - I	**Concept of Rural Development** A) Nature B) Characteristics C) Objectives	**15**	**1**
Model - II	**Role of Government Agencies and NGO's** A) Government Agencies : Zilla Parishad, Panchayat Samiti and Grampanchayat B) NGO's	**15**	**1**
Model - III	**Rural Social Problems** A) Poverty B) Problem of Indebtedness C) Problem of Agriculture Labour	**15**	**1**

Model - IV	**Impact of Stigs Education and Co-operative in Rural Development** A) Self Help Groups B) Education C) Co-operatives	**15**	**1**

Reference Books :

1. Desai A.R. : Rural Sociology in India, Popular prakashan, Mumbai 1997.
2. Desai Vasant : Rural Development programme and strategies - Vol. I toVI, Himalaya Publishing House, Mumbai, 1988.
3. Dube S.C. : Indian Village
4. Dube S.C. : India's Changing Villages, Allied Publishers Pvt. Ltd., Mumbai 1967.
5. Baviskar B.S. : Politics of Development, Oxford University Press.
6. पंडीत नलिनी : जागतिकीकरण आणि भारत, लोकवाड.मय , मुंबई.
7. योजना: महाराष्ट्र शासन, मुंबई.
8. लोकराज्य : महाराष्ट्र शासन, मुंबई.
9. कुरुक्षेत्र : भारत सरकार, नवी दिल्ली.
10. खंडागळे चंद्रकांत : ग्रामीण समाजशास्त्र , प्रकाशिका सौ. मायादेवी खंडागळे, सांगली, 2005
11. कट्यारसिंह - अनिल शिशोदिया (२०१६), ग्रामीण विकास, सेज पब्लिकेशन, न्यू दिल्ली

Shivaji University, Kolhapur

SYLLABUS- Choice Based Credit System

B. A. II (I.D.S.)

Semester - IV Paper No. II - Rural Development in India

Rural Development (I.D.S.) Course, June 2023 onwards

Course Objective-

1. To provide information about globalization and its impact on agriculture.
2. To make able the students to identify the problems and remedies of rural development.
3. To introduce the students the government and rural development programmes.
4. To make aware the students the contribution of Jawaharlal Nehru and Yashwantrao Chavan in rural development.

Course Outcomes-

1. Students learn government and rural development programmes.
2. Students understand globalization and its impact on agriculture.
3. Students get well acquainted with the remedies in rural development.

	Topic	Teaching Hours	Credits
Model – I	**Government and Rural Development Programmes** A) Mahatma Gandhi National Rural Employment Guarantee Act. B) Education and Adult Education. C) Health and Sanitation with Nirmal Gram in Maharashtra.	**15**	**1**

Model – II	**Role of Jawaharlal Nehru and Yashwantrao Chavan in Rural Development** A) Jawaharlal Nehru: Thoughts and Contribution B) Yashwantrao Chavan: Thoughts and Contribution.	**15**	**1**
Model – III	**Globalization and its impact on Agriculture** A) Meaning and Scope B) Advantage and Disadvantages.	**15**	**1**
Model – IV	**Remedies of Rural Development** A) Remedies at Rural Development level. B) Uses of Income Distribution C) Concept of Rural Poverty and it's Remedies.	**15**	**1**

Reference Books:

1. Desai A.R. : Rural Sociology in India, Popular prakashan, Mumbai 1997.
2. Desai Vasant : Rural Development programme and strategies - Vol. I toVI, Himalaya Publishing House, Mumbai, 1988.
3. Dube S.C. : Indian Village
4. Dube S.C. : India's Changing Villages, Allied Publishers Pvt. Ltd., Mumbai 1967.
5. Baviskar B.S. : Politics of Development, Oxford University Press.
6. पंडीत नलिनी : जागतिकीकरण आणि भारत, लोकवाड.मय , मुंबई.
7. योजना: महाराष्ट्र शासन, मुंबई.
8. लोकराज्य : महाराष्ट्र शासन, मुंबई.
9. कुरुक्षेत्र : भारत सरकार, नवी दिल्ली.
10. खंडागळे चंद्रकांत : ग्रामीण समाजशास्त्र , प्रकाशिका सौ. मायादेवी खंडागळे,

सांगली, 2005

11. कट्यारसिंह - अनिल शिशोदिया (२०१६), ग्रामीण विकास, सेज पब्लिकेशन, न्यू दिल्ली

Equivalence of B.A.II Rural Development (I.D.S.)

Sr. No.	B.A.II (Old)	B.A.II (New)
1	Sem. III Paper No. I Introduction to Rural Development	Sem. III Paper No. I Introduction to Rural Development
2	Sem. IV Paper No. II Rural Development in India	Sem. IV Paper No. II Rural Development in India

Shivaji University, Kolhapur

SYLLABUS- Choice Based Credit System

B. A. II (I.D.S.)

Semester – III Paper – I SOCIAL ECOLOGY

Implemented from June, 2023 onwards

Course Objectives-

1. To understand the importance of social ecology.
2. To create the environmental awareness.
3. To control and try to ride over the environmental problems , facing present generation.

Course Outcomes-

1. Students get understood the importance of social ecology and biodiversity.
2. Students get knowledge about different kinds of environmental pollution.
3. Students get well acquainted with environmental ethics.

	Topic	Teaching Hours	Credits
Unit - 1	**Social Ecology** A) Subject Matter of Social Ecology B) Ecosystem C) Importance of Social Ecology	**15**	**1**
Unit - 2	**Biodiversity and its Conservation** A) Meaning of Biodiversity B) Threats to Biodiversity C) Conservation of Biodiversity	**15**	**1**
Unit - 3	**Environmental Pollution** A) Water Pollution B) Air Pollution C) Noise Pollution	**15**	**1**

Unit - 4	**Environmental Ethics** A) Meaning of Environmental Ethics B) Need of Environmental Ethics C) People's Participation and Protection of Environment.	**15**	**1**

Reference Books:

1. Marten Gerald G 'Human Ecology'-Basic concepts for sustainable development, Earthscan Publication London, 2001.
2. Mukherji Radhakamal 'A study in social ecology' Popular Prakashan Bombay.
3. Dunlap Riley E and Michelson William 'Handbook of environmental Sociology' Rawat Publication, Jaipur 2008.
4. Agarwal S.K. 'Environmental scenario for 21st century' A P H publishing corporation New Delhi, 2003.
5. Swarup R., Mishra S., Jauhari V.P. 'Encyclopaedia of Ecology environment and pollution control An introduction to man his environment Mittal Publications, New Delhi, 1992.
6. प्रा. प्रकाश सावंत, 'पर्यावरण अभ्यास', फडके प्रकाशन, कोल्हापूर, 2005.

Shivaji University, Kolhapur

SYLLABUS- Choice Based Credit System

B. A. II (I.D.S.)

Semester – IV Paper – II SOCIAL ECOLOGY

Implemented from June, 2023 onwards

Course Objectives-

1. To understand the importance of human ecology.
2. To create environmental awareness among the students.
3. To make aware the students about environmental movements.
4. To able the student to identify the problems of global warming.

Course Outcomes-

1. Students learn how to tackle the environmental problems.
2. The students get acquainted with the nature of human ecology.
3. Students get understood types and role of environmental movements.

	Topic	Teaching Hours	Credits
Unit - 1	**Human Ecology** A) Subject Matter of Human Ecology B) Population Growth and Degradation of Environment. C) Relationships Between Man and his Environment	**15**	**1**
Unit - 2	**Types of Human Settlement** A) Tribal Settlement B) Rural Settlement C) Urban Settlement.	**15**	**1**
Unit - 3	**Problem of Global Warming** A) Meaning of Global Warming B) Causes of Global Warming C) Measures to Control Global Warming	**15**	**1**

Unit - 4	**Environmental Movements** A) Types of Environmental Movements. B) Role of NGO's in Protection of Environment. C) Environmental Protection Act's	**15**	**1**

Reference Books:

1. Marten Gerald G 'Human Ecology'-Basic concepts for sustainable development, Earthscan Publication London, 2001.
2. Mukherji Radhakamal 'A study in social ecology' Popular Prakashan Bombay.
3. Dunlap Riley E and Michelson William 'Handbook of environmental Sociology' Rawat Publication, Jaipur 2008.
4. Agarwal S.K. 'Environmental scenario for 21st century' A P H publishing corporation New Delhi, 2003.
5. Swarup R., Mishra S., Jauhari V.P. 'Encyclopaedia of Ecology environment and pollution control An introduction to man his environment Mittal Publications, New Delhi, 1992.
6. प्रा. प्रकाश सावंत, 'पर्यावरण अभ्यास', फडके प्रकाशन, कोल्हापूर, 2005

Equivalence of B.A.II Social Ecology (I.D.S.)

Sr. No.	Title of Old Paper	Title of New Paper
1	Sem-III Paper – I Social Ecology	Sem-III Paper - I Social Ecology
2	Sem-IV Paper – II Social Ecology	Sem-IV Paper - II Social Ecology

NATURE OF QUESTION PAPER AND SCHEME OF MARKING

B. A. Part- II (Semester- III & IV) Examination _____

Sociology Paper _____

Title - _____

Sub Code- _____

Day & Date: Time: Total Marks : 40

Instruction: 1. All questions are compulsory

2. Figure to right indicate full marks.

……

Q. 1 Complete the following sentences by choosing correct alternatives. (05)

1.

2.

3.

4.

5.

Q. 2 Write short notes (Any three) (15)

A)

B)

C)

D)

E)

Q. 3 Write detail answer on any one of the following. (10)

A)

B)

Q, 4 Write detail answer on any one of the following. (10)

A)

B)

Internal Evaluation (10 Marks)

B. A. II Semester III	Group Activity (Field visit, Study tour, Group discussion on Social Issues etc.)
B. A. II Semester IV	Case Study / Oral Examination

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.A. Part-III

Sociology

Syllabus to be implemented from

June, 2020 onwards.

Shivaji University, Kolhapur.

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – V, DSE – E66 SOCIOLOGY – VII

WESTERN SOCIOLOGICAL THINKERS

(June, 2020 onwards)

A)Course Objectives

Objective of teaching sociological Thinkers to undergraduate students is to enable them to apply theory to their own everyday life experiences.

This requires that students develop their sociological imagination and the capacity to read

each situation sociologically and then to think about it theoretically.

To this end, it is imperative that sociological theory courses demonstrate the applicability of theory to students.

B) Course Learning Outcomes:

1. Understanding the grand foundational themes of sociology.

2. Application of theories and concepts from classical sociological theories to develop intellectual openness and curiosity.

3. Appreciation of the classical concepts and theories to develop awareness of the limits of current knowledge.

C) Course Content:

Module	Topic and Sub-Topic	Teaching Hours	Credits
Module -I	**AUGUSTE COMTE** A) Law of Three Stages B) Concept of Positivism. C) Social Statics and Social Dynamics.	**15**	**1**
Module -II	**KARL MARX** A) Dialectical Materialism B) Theory of Class Conflict C) Theory of Alienation	**15**	**1**

Module -III	**EMILE DURKHEIM** A) The Study of Social Facts B) Theory of Division of Labour C) Theory of Suicide	**15**	**1**
Module -IV	**MAX WEBER** A) The Ideal Type B) Theory of Social Action C) Types of Authority.	**15**	**1**

D) Teaching Learning Process:

1. The students are encouraged to read the original texts and the teacher often participates in the reading process. Thereby the teacher engages in active, rather than passive, pedagogy.

2. It is important that the classroom sessions, initiated either by the student or the teacher, would encourage teamwork and draw students towards learning, yet there are other means

available now which add to that. The use of digital/ICT generated techniques (audio-visual

aids).

E) Assessment Methods:

1. Class assignments/term papers, theme(s) of which are chosen following teacher student discussion, is one of the ways of assessing the subject and writing skill of the students.

2. Tutorial discussion oral presentations and viva-voce, short individual/team led field studies/projects and seminars/workshops are other modes of assessment. These are included in the Internal Assessment (IA) system.

3. Mid-semester examination is another mode of assessment. Here again, the topic(s) on which the students are to be examined are chosen through teacher-student consultation. Mid-semester examination tests the students on the grasp of the topic(s) in particular and the discipline in general.

4. The end-semester examination is conducted by the university and the student is tested and evaluated on the basis of the entire paper (syllabus). S/he is expected to have a full knowledge of the paper and prescribed readings.

NOTE: Visit to University Library

F) REFERENCES:

1. Abraham Francis Modern sociological Theory, Delhi Oxford University press,1982
2. Abraham Francis 'Sociological Thought', Madras Macmillan,1991
3. Aron Raymond Main Currents In Sociological Thought,Vol.I & II
4. Coser A.Lewis 'Masters of Sociological Thought' Rawat publications Jaipur 1996
5. Delaney Tim 'Contemporary Social Theory,Investigation and Application'
6. Haralambos & Holborn Sociology : Themes and Perspectives Published by Harper Collins Publishers Ltd.London W6 8JB 2008
7. Ritzer George Classical Sociological Theory, 4th edition,Nework, Mc-grawhill publication. 1996.

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – V, DSE – E67 SOCIOLOGY– VIII

METHODS OF SOCIAL RESEARCH (Part-I)

(June, 2020 onwards)

A) Course Objective:

1. The course is a general introduction to the methodologies of sociological research. It will provide the student with elementary knowledge of the complexities and philosophical underpinnings of research.

B) Course Learning Outcomes:

1. Students are introduced to the concept of conducting research, which is inclusive of formulating research designs, methods and analysis of data. Some knowledge of elementary statistics is also provided to the students to acquaint them with quantification of data.

2. The thrust of the course is on empirical reasoning, understanding and analysis of social reality, which is integral to the concepts of quantitative research. Students learn to differentiate between qualitative and quantitative aspects of research in terms of collection and subsequent analysis of data.

3. Through the competing theoretical perspectives and methodologies, students are able to understand that social reality is multi-faceted, heterogeneous and dynamic in nature.

4. By imparting the knowledge of theory and praxis of research, students are prepared to arrive at a critical understanding of the course. It also equips them with necessary skills for employment in any social research organization.

C) Course Content:

Module	Topic and Sub- Topic	Teaching Hours	Credits
Module-1	**Introduction to social Research** a. Philosophy of social science b. Meaning and objectives of social research c. Scientific Steps in Social Research d. Relation between theory and fact	15	01
Module -2	**Research Design** a. Meaning and Nature of Research Design b. Explorative c. Descriptive **d.** Experimental	15	01
Module -3	**Basic Elements of Social Research** a. Concepts-meaning and characteristics		

	b. Variable- meaning and Types **c.** Hypothesis- meaning and Sources	15	01
Module -4	**Modes of Enquiry** a. Quantitative Research : meaning and characteristics **b.** Qualitative Research: meaning and characteristics **c.** Importance of Quantitative and Qualitative Reaserch	15	01

D) Teaching - learning process:

a. A research methods course will require a robust class room discussion on various aspects of the course leading to a clearer understanding of concepts and research methods and the production of knowledge.

b. Interactive classroom sessions contribute to the development of group skills including listening, brainstorming, communicating and negotiating with peers.

E) Assessment Methods: Assessment for this course will be based on written assignments, projects, project designs and presentations.

NOTE: Organise One Day Workshop on Research Methodology

F) Reference Book :

Durkheim, E. 1958, The Rules of Sociological Method, New York: The Free Press

Weber, Max. 1949, The Methodology of the Social Sciences, New York: The Free Press

Radcliffe□Brown, A.R. 1958, Methods in Social Anthropology, Delhi: Asia Publishing Corporation

Beiteille, A. 2002, Sociology: Essays on Approach and Method, New Delhi

Goode, W. E. and P. K. Hatt. 1952. Methods in Social Research. New York: McGraw Hill.

Srinivas, M.N. et al 2002(reprint), The Fieldworker and the Field:Problems and Challenges in Sociological Investigation, New Delhi

Bryman, Alan. 2004, Quantity and Quality in Social Research,New York: Routledge

Merton, R.K. 1972, Social Theory & Social Structure, Delhi: Arvind Publishing House

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – V, DSE – E68 SOCIOLOGY – IX

POLITICAL SOCIOLOGY

(June, 2020 onwards)

A) Course Objective:

This course aims to acquaint the students with the major concepts, theoretical approaches and perspectives of political sociology. It seeks to prepare the students to apply these concepts and approaches to the understanding of the nature of the political processes and institutions in India. The course also exposes the students to the emerging perspective on the polity-society relationship in contemporary times.

B) Course Learning Outcomes:

1. An ability to comprehend the embeddedness of political and the social in each other.

2. Familiarity with different theoretical and conceptual issues in political sociology and a capacity to use them to grasp political phenomena in a cross-cultural and comparative perspective

3. Be able to understand and appreciate the diversity of ways in which politics operates historically and spatially to generate a more expansive notion of the realm of the political.

4. Be able to understand the relationship between state and society in shaping politics in India both historically and analytically.

5. Be able to generate hypotheses and research questions within the theoretical perspectives and ethnographic contexts in political sociology.

C)Course Content:

	Topic and Sub- Topic	**Teaching Hours**	**Credits**
Module - I	**Nature of Political Sociology** A) Definition and Subject Matter of Political Sociology B) Emergence of Political Sociology C) Importance of Political Sociology	15	1

Module - II	**Basic Concepts in Political Sociology** A) Power: Meaning and Nature B) State: Meaning and Nature C) Civil Society: Meaning and Nature	15	1
Module - III	**Study of Perspectives to Political Sociology** A) Perspectives on Power: Weberian, Marxist and Ambedkarian B) Perspectives on State: Liberal, Pluralist, Power-elite, Post-modernist	15	1
Module - IV	**Political parties in India** A) Political parties: characteristics and social composition. B) Pressure groups and Interest groups: characteristics and political significance. C) Major Political Parties and Their Principles	15	1

D) Teaching-Learning Process:

Teaching learning process in this paper has to be interactive and reflective as majority of students are more often disinterested in questions concerning the political. Teachers should encourage students to read the daily newspaper and peruse electronic journals which would animate the conceptual and analytical aspects of the course with real socio-political events from the students' immediate contexts. Use of audio-visual resources, mainly documentaries will be made an integral part of learning in this course.

E) Assessment Methods:

Assessment in this paper will be in the form of written assignments, book reviews, film reviews, class presentations, projects, and class test.

F) Keywords:

Power, Authority, Resistance, Politics, Elite, State, Democracy, Citizenship, Rights, Para-Political Systems, Post-Colonialism

NOTE: 1) Visit to Vidhansabha / Vidhanparishad

2) Visit to any Gram Sachivalaya / Corporation

G) Reference Book(s)

1. Bendix, R. and S. M. Lipset (Eds.). *Class, Status and Power*. London: RKP, 1966.
2. Bhargava, R. *Secularism and its Critics*. New Delhi: OUP, 1999.
3. Bottomore, T. *Elites and Society.* Harmondsworth: Penguin, 1966.
4. Chakravarty, A. *Contradiction and Change.* Delhi: OUP, 1975.
5. Dahl, R. *Who Governs?* New Haven: Yale University P, 1961.
6. Desai, A.R. *State and Society in India: Essays in Dissent*. Bombay: Popular Publication, 2000
7. Gerth, H.H. and C.W. Mills (Eds.). *From Max Weber: Essays in Sociology*. London: RKP, 1948.
8. Key, V.O. *Politics, Parties and Pressure Groups.* NY: Crowell, 1964.
9. Kohli, A. *India's Democracy: An Analysis of Changing State-Society Relations*. Princeton: Princeton University P, 1990.
10. Kohli, A. *The State and Poverty in India: The Politics of Reform.* Cambridge: Cambridge University P, 1999.
11. Kothari, R. *Caste in Indian Politics*. Delhi: Orient Blackswan, 2008.
12. Laclau, E. *Politics and Ideology in Marxist Theory*. London: Verso, 2012.
13. Miller, D. *On Nationality*. Oxford: Clarendon Press, 1995.
14. Mills, C.W. *The Power Elite*. NY: OUP, 2000.
15. Nash, K. *Contemporary Political Sociology*. Massachusetts: Blackwell Publishers, 2000.

16. Robinson, M. S. *Local Politics: the Law of the Fishes.* Delhi: OUP, 1988.
17. Runciman, W.G. *Social Science and Political Theory.* Cambridge: CUP, 1969.
18. Taylor, G. *The New Political Sociology: Power, Ideology and Identity in an Age of Complexity.* London: Palgrave Macmillan, 2010.
19. Vora, R. and S. Palshikar (Ed.) *Indian Democracy*, Delhi: Sage, 2004.
20. Weber, M. *Economy and Society*. Berkeley: University of California P, 1978.

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – V, DSE – E69 - SOCIOLOGY – X

HUMAN RIGHTS

(June 2020 onwards)

A) OBJECTIVES:-

1.To Provide the conceptual understanding about the human rights.
2. To understand the nature and role of Human Rights in India.
3. To understand violation of Human Rights in India.

B) Course Learning Outcomes:

After completion of program students will able to-

1)Conceptual understanding about the Human Rights
2)Identify issues and problems relating to the realization of human rights
3)Understand the nature & role of human rights in India
4) Contribute to the resolution of human rights issues and problems
5)Educate the society about the human rights and duties in order to create responsible citizenry

C) Course Content:

	Topic and Sub- Topic	Teaching Hours	Credits
Model - I	**HUMAN RIGHTS** A) Meaning and Characteristics of Human Rights B) History of Human Rights in India (Ancient Period to After Independent Period) C) Perspectives of Human Rights. (Sociological Perspective and Modern Perspectives -Jeromi J.Shestoak)	15	1
Model - II	**UNITED NATIONS ORGANIZATIONS AND HUMAN RIGHTS** A)Universal Declaration of Human Rights,1948 B)International Covenant on Economic ,Social and cultural Rights,1966 C) International Covenant on civil and Political Rights,1966	15	1
Model - III	**HUMAN RIGHTS IN INDIA** A)Indian Constitutions and Human Rights B) National Human Rights Commission in India (Structure and Role) C) Function of National Scheduled Castes and Scheduled Tribe commission in India	15	1
Model - IV	**VIOLATION OF HUMAN RIGHTS IN INDIA** A)Human Trafficking B)Mob Lynching C)Honor Killing	15	1

D) Teaching-Learning Process:

Teaching learning process in this paper has to be interactive and reflective as majority of students are more often disinterested in questions concerning the human rights. Teachers should encourage students to read the daily newspaper and peruse electronic journals which would animate the conceptual and analytical aspects of the course with real sociological Perspective events from the students' immediate contexts. Use of audio-visual resources, mainly documentaries will be made an integral part of learning in this course.

E) Assessment Methods:

Assessment in this paper will be in the form of written assignments, book reviews, film reviews, class presentations, projects, and class test, Seminar .

F) Keywords:

Human Rights, Castes ,Tribe ,Political Rights, Violation ,Human Trafficking
Moab Lynching, Honor Killing

S

NOTE: 1) Visit to Old Age Home, Orphanage, etc

G) REFFRENCE :

Anthony M.J	**Social action through courts ,ISI ,New Delhi ,1997.**
Bhatia K.L	**Law and social change Towards 21st Century, Deep and Deep ,New Delhi ,1994**
Bose A.B	**Social Security for the old myth and reality ,Center for Public& Governance Institute of applied Manpower Research by Concept Pub. Company .New Delhi,2006**
Crampton Helen M.	**Social welfare :Institution and Process,Random and Keiser Keneth K. House Inc ,New York,1970**
	Social Policy and Social Development in India
Kulkarni P.D	**Social Policy and social Development in India,ASSWI,Madras,1979**
Pathak s.	**Social;An Evolutionary and Development Perspective,Welfare McMillan ,Delhi,1981.**
Patil	**The Economics of Social Welfare in India, Somayya, Bombay,1978**
कोतापल्ले लक्ष्मण	**भारतातील सामाजिक कल्याण, प्रशासन आणि समाज कार्य, विद्या प्रकाशन, औरंगाबाद**
जी.एल.शर्मा	**सामाजिक मुद्दे, रावत पब्लिकेशन्स, २०१५**
य.च.म.मु.वि.नाशिक	**मानवी हक्क आणि भारतीय राज्यघटना**
य.च.म.मु.वि.नाशिक	**मानवी हक्क आणि अंमलबजावणी यंत्रणा**

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – V, DSE – E70 SOCIOLOGY – XI

SOCIOLOGY OF RELIGION

(June, 2020 onwards)

A) COURSE OBJECTIVE

1. This course exposes students to the distinctiveness of the sociological approach to the study of religion.
2. The individual and the group encounter religion and/or religious phenomenon in myriad ways be it through custom, ritual, beliefs or other practices. Students will be familiarized with the basic theoretical and methodological perspectives on the study of religion and also exposed to ethnographic texts on various aspects of religious phenomenon.
3. The last section of the course touches upon some aspects of religion in contemporary times such as secularization and multiculturalism.

B) COURSE LEARNING OUTCOMES:

1. Students will be acquainted with representative texts that symbolize the development of knowledge in the field of Sociology of Religion. They will be able to identify different theories, approaches and concepts that make up the study of religion, distinguish between them and also use terms specific to the field in specific context.
2. Students will be able to make a link between texts and paraphrase their arguments and use these to communicate their ideas in research papers, projects and presentations.
3. By encompassing contemporary developments the course enables students to think about linkages between religion and society at various levels.

C) Course Content:

Module	Topic and Sub-Topic	Teaching Hours	Credits
Module -I	**Understanding Religion** A) Sociology of Religion: Meaning , Scope and Subject matter B) Religion : Definition and Characteristics C) Basic Concepts in Religion 1) Belief and Rituals 2) The Sacred and Profane	15	1
Module -II	**Perspectives to Study of Religion** A) Perspectives of Religion: Durkheim and Weber B) Perspectives of Religion in India: Mahatma Phule and Dr. B. R. Ambedkar	15	1

Module -III	**Religions in India** A) Hinduism, Islam B) Buddhism, Christianity C)Jainism, Sikhism D) Satya Dharma and Shiv Dharm	15	1
Module -IV	**Religion and Social Change** A) Socio- Religious Movements B) Religion and Violence C) Religion and Commercialization D) Secularism and National Integration	15	1

D)Teaching -Learning Process:

Teaching learning process in this paper has to be interactive and reflective. Teacher should encourage students to utilize print and electronic media for acquiring knowledge regarding recent status and trends of religion.

E) Assessment Methods:

Assessment in this paper will be from of written assignments, seminars and class test.

F)Key Words;

Religious Belief, Rituals, Scared, Profane, Magic, Violence, Secularism, National Integration.

NOTE: Visit to Any Religious place and Understand its Structure and Functioning

G)Reference Books

1. Baird, Robert D. "Religion in Modern India". Manohav, Delhi,1995.
2. Madan, T.N.(Ed), Religion in India", Oxford University Press, New Delhi,1992.
3.Muzumdar, H.T. "India's Religious Heritage", Allied New Delhi, 1996.
4. Roberts, Keith A. "Religion in Sociological Perspective", Donsey Press, New Delhi, 1984.
5.Prabhu, Pandharinath H. "Hindu Social organization: A Study in Socio-Psychological and ideological Foundations", Popular Prakashan, Bombay, 1963.
6. Dsouza, Leela. "Sociology of Religion".
7.Pias, Richard. "Sociology of Religion".
8. Salve, R.N. "Buddhism and Education", Shruti, Jaipur, 2008.
9.**डॉ. विधाधार पुंडलिक** ." **धर्माचे समाजशास्त्र**" **कॉनटीनेटल प्रकाशन २००३**,
10.**डॉ. प्रदीप आगलावे** . " **समाज्शास्त्र संकल्पना आणि सिंद्धांत** " **साईनाथ प्रकाशन नागपूर २००९**
11.**डॉ. दा . धो . काचोळे** . " **भारतीय समाजरचना** " **कैलाश प्रकाशन औरंगाबाद १९९८**
12.**डॉ. बी . एम .कऱ्हाडे** " **समाजशास्त्र मुलभूत संकल्पना** "**पिंपळापुरे प्रकाशन , नागपूर २०११**
13.**मंगला आठलेकर** "**धर्म आणि हिंसा** "**राजहंस प्रकाशन पुणे २०१७**
14.**डॉ. ज्योती डोईफोडे** " **भारतीय समाज** "**विद्या प्रकाशन औरंगाबाद**

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – VI, DSE – E191 SOCIOLOGY – XII

INDIAN SOCIOLOGICAL THINKERS

(June 2020 onwards)

A) Course Objectives

Objective of teaching Indian Sociological Thinkers to undergraduate students is to enable them to apply theory to their own Indian Social life experiences. This requires that students develop their sociological imagination and the capacity to read each situation sociologically and then to think about it theoretically. To this end, it is imperative that sociological theory courses demonstrate the

applicability of theory to students.

B) Learning Outcomes:

1. Understanding the characteristics and dynamics of the social world, and how postclassical

sociologists attempt to understand the social world.

2. Appreciating the relevance and limits of the contemporary theories or theoretical

approaches to make sense of social reality.

3. Understanding the basic methodological approaches of the thinkers, through some

original texts and their role in building sociological knowledge.

C) Course Content:

Module	Topic and Sub-Topic	Teaching Hours	Credits
Module -I	**G.S.GHURYE** A) Ideas on National Unity and Interaction B) Study on Caste C) Study on Indian Tribes	**15**	**1**
Module -II	**A.R.DESAI** A) Study of Village Structure in India B) Study of Indian Nationalism C) Analysis of Indian Society through Marxian Perspective	**15**	**1**

Module -III	**M. N. SRINIVAS** A) Concept of Sanskritization B) Concept of Westernization C) Concept of Dominant Caste	**15**	**1**
Module -IV	**IRAWATI KARVE** A) Concept of Kinship Relations B) Hindu Culture: An Interpretation C) Views on Maharashtra	**15**	**1**

D)Teaching learning process:

The students are encouraged to read the original texts and the teacher often participates in the reading process. Thereby the teacher engages in active, rather than passive, pedagogy.

It is important that the classroom sessions, initiated either by the student or the teacher, would encourage teamwork or draw students towards learning, yet there are other means available now which add to that. The use of digital/ICT generated techniques (audio-visual aids).

E)Assessment Methods:

1. Class assignments/term papers, theme(s) of which are chosen following teacherstudent discussion, is one of the ways of assessing the subject and writing skill of the students.

2. Tutorial discussion oral presentations and viva-voce, short individual/team led field studies/projects and seminars/workshops are other modes of assessment. These are included in the Internal Assessment (IA) system.

3. Mid-semester examination is another mode of assessment. Here again, the topic(s) on which the students are to be examined are chosen through teacher-student consultation. Mid-semester examination tests the students on the grasp of the topic(s) in particular and the discipline ingeneral.

4. The end-semester examination is conducted by the university and the student is tested and evaluated on the basis of the entire paper (syllabus). S/he is expected to have a full knowledge of the paper and prescribed readings.

NOTE: Visit to University Library

F) REFERENCES:

1. Nagala B.K. ‘Indian Sociological Thought’ ‘

2. V.S.Upadhyay and Gaya Pandey ‘History of Anthropological Thought’

3. Narendra K. Singh ‘Theory and Ideology in Indian Sociology’

4. T. K. Ommen andP.N. Mukharjee ‘Indian Society: Reflections and Introspections’

5. A.R. Desai ‘Social Background Of Indian Nationalism’

6. A.R. Desai ‘Rural India In Transition’

7. T. N. Madan ‘Western Sociologists on Indian Society’

8. Yogendra Singh ‘Indian Sociology : Social Conditioning and Emerging Concerns’

9. S.K. Pramanik ‘Sociology of G.S. Ghurye’

10. Devdas Pillai ‘Indian Sociology Through Ghurye : A Dictionary’

11. A.R. Momin ‘The Legacy Of G.S. Ghurye’

12. M.N. Srinivas ‘Social Change In Modern India’

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – VI, DSE – E192 SOCIOLOGY – XIII

METHODS OF SOCIAL RESEARCH (Part-II)

(June, 2020 onwards)

A) Course Objectives

1. The course provides an introductory, yet comprehensive engagement with social research.
2. Through theoretical and practical knowledge students are acquainted with the different stages of the research process like creation of research design, methods of data collection and analysis.
3. The imparted knowledge and training will enable students to develop a sound understanding of both quantitative and qualitative research.

B) Course Learning Outcomes:

1. Students are introduced to the concept of conducting research, which is inclusive of formulating research designs, methods and analysis of data. Some knowledge of elementary statistics is also provided to the students to acquaint them with quantification of data.
2. The thrust of the course is on empirical reasoning, understanding and analysis of social reality, which is integral to the concepts of quantitative research. Students learn to differentiate between qualitative and quantitative aspects of research in terms of collection and subsequent analysis of data.
3. Through the competing theoretical perspectives and methodologies, students are able to understand that social reality is multi-faceted, heterogeneous and dynamic in nature.
4. By imparting the knowledge of theory and praxis of research, students are prepared to arrive at a critical understanding of the course. It also equips them with necessary skills for employment in any social research organization.
3. Periodic tests/mid-semester examination of the covered syllabus is also undertaken by the students during the academic session. End-semester examination is conducted by the University of Shivaji.

C) **Course Content:**

Module	Topic and Sub- Topic	Teaching Hours	Credits
Module -1	**Sampling and Data collection** a. Meaning and Purpose of Sampling b. Types of sampling c. Advantages and Limitation of Sampling d. Primary and secondary Data collection	15	01
Module -2	**Observation** a. Observation: Meaning and characteristics b. Types of Observation c. Advantages and limitations of observation	15	01

Module -3	**Interview and Questionnaire** a. Interview-meaning and Types b. Advantages and limitations of interview **c.** Questionnaire- meaning and Types **d.** Advantages and limitations of Questionnaire	15	01
Module -4	**Data Analysis and Report Writing** a. Use of computer in data analysis b. Statistical methods c. Report Writing	15	01

D) Teaching-Learning Process:

1. Classroom lectures interlink the sociological theories previously taught with the methods and techniques of data collection. Students are encouraged to construct questionnaires and conduct interviews, use technology like online surveys to develop practical research skills.
2. The use of statistics enables the students to understand both qualitative and quantitative aspects of social research.
3. Alternative pedagogical techniques like outdoor learning through field trips and research projects, audio-visual technology in classrooms provides them with both research related knowledge and experience.

E) Assessment Methods:

1. Tutorials are given regularly to students after the completion of a topic. The objective is to assess the understanding of the student regarding the covered topic.
2. Students are expected to submit individual/team project reports, along with making oral presentations of the same in class.

NOTE: Organise Guest Lecture/Seminar on Social Research Methodology

F)Books for References:

Ahuja Ram: Research Methods, Rawat Publication, Jaipur 2015

Ghosh B.N.: Scientific Methods and Social Research, Sterling Publishers, New Delhi,1982

Kothari C.R.: Research methodology: Methods and Techniques, Wiely Eastern, New Delhi, 1992

Lal Das D.K: Designs of social Research, Rawat Publication, Jaipur,2008

Young P.V.: Scientific Social Surveys and Research, Prentice -Hall of India, New Delhi, Fourth edition fifteen Reprint,2003

संदर्भा साठी ग्रंथ (मराठी)

आगलावे प्रदीप : संशोधन पद्धती: शास्त्र व तंत्रे, विद्या प्रकाशन, नागपूर

घाटोळेरा.ना.: सामाजशास्त्रीयसंशोधन -पद्धती आणि तत्त्वे, मंगेश प्रकाशन नागपूर,

बोधनकर सुधीर : सामाजिक संशोधन पद्धती,साईनाथ प्रकाशन,नागपूर

रानडे पुष्पा : प्राथमिक सांखिकी आणि संसोधन पद्धती,डायमंड प्रकाशन, पुणे, २०१५

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – VI, DSE – E193 SOCIOLOGY – XIV

SOCIAL ANTHROPOLOGY

(June, 2020 onwards)

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1. To provide the conceptual understanding about anthropology

2. To understand the social aspects of tribal's in India.

	Topic	Teaching Hours	Credits
Model - I	**INTRODUCTION TO SOCIAL ANTHROPOLOGY** A) Social Anthropology: Meaning and Characteristics B) Relation Between Social Anthropology and Sociology C) Field work Method and its Characteristics D) Importance of Social Anthropology	**15**	**1**
Model – II	**TRIBAL SOCIETY IN INDIA** A) Tribal Society : meaning and Characteristics B) Social life : Family ,and Marriage - Characteristics C) Economic Life : Characteristics D) Religious Life : Beliefs and practices	**15**	**1**
Model – III	**TRIBAL PROBLEMS** A) Poverty and Indebtedness B) Land Alienation C) Illiteracy and Exploitation D) Religious Crisis	**15**	**1**
Model - IV	**Tribal Community in Maharashtra: Pardhi** A) Socio-Cultural life : Tradition and Change B) Economic life : Tradition and Change C) Religious life : Tradition and Change D) Social Movements for Development of Pardhi Community	**15**	**1**

NOTE: Visit to Any Tribal and Nomadic Tribe Community

REFERENCE:-

Vidyarthi L.P. Tribal Culture of India, Concept Publishers,New Delhi, 1976.
E.E. Evans Pritchard Social Anthropology and Other Essays, The free Press, NewYork, 4962.
Mujumdar D.N. andMadam T.N An Introduction to Social Anthropology, Asia Publishing House,Bombay,1973.
संगवे विलास सामाजिक मानवशास्त्र, पॉप्युलर प्रकाशन, मुंबई, १९६९.
नाडगोंडे गुरूनाथ भारतीय आदिवासी, कॉन्टीनेंटल प्रकाशन, पुणे, १९९८.
संगवे विलास आदिवासींचे सामाजिक जीवन ए पॉप्युलर प्रकाशन, मुंबई
K. S. Tribal Situation in India, Indian Institute of Advanced Study, Simla, 1972.
S.L. Doshi & P. C.Jain
Social Anthropology Rawat Publicaiton, 2001.
Mane Lximan ,Vimuktayan ,Yashvantrav chavan prtishthan,Satara 1994(Marathi)
Prabhune Girish,Pardhi,Rajhans Prakashan,pune.2006 (Marathi)

Pawar Deepak,Pardhi Samajache Antrang,
Shree Sainath Prakashan,Nagapur.2014(Marathi)
Chavan Ramnath,Bhatakya vimukantanchi Jatpanchayat,Deshmukh ani company Pune.2006(Marathi)

Journals:

i) हाकारा (Hakara)
ii) Social Change (New Delhi)
iii) Man in India (Ranchi)
iv) Tribal research bulletin (Marathi and English)
Tribal Research Institute Pune.
v) Human Ecology : Journal of manenvironmental relationship Kamlaraj,
Enterprises Delhi.
Ritzer George Sociological Theory, Tata Mcgraw Hill, 1996
Morrison, Ken Marx,
Durkheim, Weber
Formation of Modern Social Thoughts,Sage london 1995.

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – VI, DSE – E194 SOCIOLOGY – XV

RURAL SOCIOLOGY

(June, 2020 onwards)

A) Course Objectives:

1. To communicate Agriculture as the foundational material practices at the heart of the formation of social collectivities and make sense of South Asian societies agrarian formations.
2. To familiarize students with rural situation past and present with the help of necessary theories and categories.
3. To make sense of rural communities, their structure, transformation and trials and tribulations in modern world.
4. To introduce students to the rich legacy of theoretical and empirical work in rural sociology and its continued relevance.

A) Course Learning Outcomes:

1. An empathy for and ability to engage rural communities as living societies and understand grasp they condition as human condition.
2. An appreciation of rural world and familiarity with the trajectory of theoretical conversation on rural issues and their social, political and policy implications.
3. An understating of emerging as well as enduring issues of concern in Indian rural society
4. To be ready for a range of academic and professional roles that may require a knowledge of rural societies.

C) Course Content:

Module	Topic and Sub- Topic	Teaching Hours	Credits
Module -1	**Introduction to Rural Sociology** A) Meaning of Rural Sociology B) Origin, Scope and Subject Matter of Rural Sociology C) Importance of Rural Sociology with the reference of India	**15**	**01**
Module-2	**Indian Rural Community** A) Village studies in India B) Classification of Indian Villages C)Changing Nature of Rural Community in India	**15**	**01**

Module -3	**Social Institutions in Rural Society** A) Marriage, Family and kinship Institution B) Caste and Balutedari C)Political life : structure and change	**15**	**01**
Module-4	**Changing Indian Agrarian Society** A) Rural Cooperative and Rural Industry B)Markets, Land Reforms and Green Revolution C)The Agrarian Issues	**15**	**01**

D) Teaching Learning Process:

The teaching learning for this course involves lectures, tutorial conversations around contemporary issues of concern for agrarian societies and extensive usage of imaginative literature and films that makes the lived world of peasantry and rural communities come alive to the students.

E) Assessment Methods:

Recommended evaluation would be an assignment that tests the conceptual grasp of the students and a project that prompts students to engage in research about a historical or contemporarily rural issue.

NOTE: Visit to village and Grampanchayat and Understand its Structure and Rural Development Programs

F) References:(English)

BeteilleAndre: Caste, Class and Power, Oxford University press, (India),New Delhi, (2012).

Beteille Andre: 'The Study of Agrarian Systems: An Anthropological Approach', from Marxism and Class Analysis, New Delhi: Oxford. 2007.

Bandopadhyay :'Reflections on Land Reform in India since Independence' from T. V. Satyamurthy (Ed.) Industry and Agriculture in India Since Independence, Delhi: Oxford University Press.

Desai A.R.: Rural Sociology in India Popular Prakashan, Bombai,(1969 reprint 2009) .

Dhanagare, D. N.: 'Green Revolution and Social Inequalities in Rural India' from, Economic and Political Weekly, Vol. 22, No. 19/21, Annual Number (May, 1987),

Dube SC: Indian Village, Routledge,New York, (Second edition 2018)

Mukherjee Ramkrishna: The Dynamics of a Rural Society, Akademie -Verlag, Berlin, (1957)

OOmmen T.K.: Green Revolution and AgarinConflicts, Economics and Political weekly, Vol.-6,Issue-26(1971)

Shah, A.M.: Changes in the Indian Family: An Examination of Some Assumptions', in The Family in India: Critical Essays, New Delhi: Orient Longman (1998)

Srinivas M.N.: India: Social Structure, Hindustan Publishing Corporation, Delhi (1980)

मराठी ग्रंथ

जयपूर(२००९).

REVISED SYLLABUS OF B. A. III SOCIOLOGY

Choice Based Credit System (CBCS)

Semester – VI, DSE – E195 SOCIOLOGY – XVI

URBAN SOCIOLOGY

(June,2020 onwards)

A)Course Objectives:

1. Urbanization is an important aspect of modern society. This course is will provide an Exposure to key theoretical perspectives for understanding urban phenomena in historical and contemporary contexts.

2. It also reflects on vital concerns of urban living while narrating the subjective experiences of urban communities. With case studies from India and other parts of the world this course will help students understand and relate to the complexities of urban living.

3. The course seeks to evolve critical thinking and develop a policy perspective on the urban.

B)Course Learning Outcomes:

1. To appreciate the significance of the city and the process of urbanization and its Consequences across the globe, through cross disciplinary texts and ethnographic studies.

2. To understand the urban in the historical as well as modern contexts - the idea of Urbanism and urban space and the intersections in these of institutions, processes and Identities. This is to be achieved by exposing students to critical theoretical debates which help them to gain a deeper understanding of city life and urban environment which can Also help them understand their own social environment better.

3. To learn about key urban processes such as migration, displacement and urban slums, as

Well as critical contemporary issues such as resettlement and rehabilitation and also engage in issues of public policy, urban transformation and change. Knowledge of such Themes will help students pursue further studies in academic areas such as development and also engage in research on public policy, urban transformation and change.

4. To develop critical thinking and a reflective perspective through exposure to multicultural Thought; to enhance disciplinary knowledge, research-related skills and develop a problem-solving competence.

C) Course Content:

Module	**Topic and Sub- Topic**	**Teaching Hours**	**Credits**
Module I	Introduction to Urban Sociology A) Definition, Meaning & Nature of Urban Sociology. B) Subject Matter of Urban Sociology. C) Importance of the Study of Urban Sociology	15	01
Module II	Major Concepts in Urban Sociology. A)Urban Community. B)Urbanism. C)Rural- Urban differences- continuum	15	01
Module III	Process of Urbanization A) Meaning and Nature of Urbanization	15	01

	B) Causes of Urbanization. C) Consequences of Urbanization		
Module IV	Urban Social Structure. A) Urban Family : Characteristics and Change B) Urban Social stratification: Caste & Class. C) Urban Occupations: Characteristics and Change	15	01

D) Teaching Learning Process:

The sociology of the urban is simultaneously theoretical and yet deeply experiential.The teachinglearning for this course necessarily has to be deliberative, drawing from the multicultural exposure to city living. There will be an emphasis on blended learning supported by debates anddiscussions. Classroom lecturesshall be supplemented by power point presentations and film screenings onvarious contemporary urban issues. Invited lectures by policy makers, activists,practitioners and other stake holders would be integral to the curriculum. Students wouldbe encouraged to set out into the field to grasp issues with greater clarity. City walks will be encouraged to enrich the experiential understanding of the urban. Learning would also involve a multi-disciplinary perspective, collaborating with other social sciences that engage with the urban as well as the disciplines of urban planning and architecture, in order to enhance problem solving and critical thinking ability.

E) Assessment Methods:

Assessment for this paper would be in the form of tests, written assignments, projects' reportsand presentations.

F) Key Words:

Urban, Urbanism, Urbanisation, City, Migration, Settlement, Space, Ecology.

NOTE: 1) Visit to any Slum Area in City and Understand their Problems

2) Visit to any City and Observe its Ecosystem

G) References:-

1. Wilson R.A & Schlutz David : Urban Sociology, Prentice Hall, England, 1978

2. Rao M.S.A. : Urban Sociology in India, Orient Longman New Delhi, 1974.

3. D Souza Alfred : The Indian city: Poverty Ecology and Urban Development, Manohar, New Delhi,1978.

4. Dube K.K. and Singh A.K. : Urban Environment in India, Inter India, New Delhi 1980.

5. Mitra, Ashok et.al. : Indian cities, abhinav, New Delhi,1980.

6. Berge E.E. : Urban Sociology, Free Press, New York,1962

7. Bose, Ashish : Studies in India's Urbanisation, Tata McGraw Hill, New Delhi,1973

8. Singh Pramod : Ecology and Urban India, Vol.II Ashish, New Delhi, 1987.

9. Urban Sociology : Rajendra K. Sharma Atlantic Publishers & Distributers, New Delhi,1997

10. Urbanization : Concept & Growth: A.K. Shrivastava, H.K.Publishers and Distribtors, New Delhi,1989

B.A. Sociology Outcome

Sociology is the most contemporary and versatile of the Social Sciences. It trains students to grasp social structures, understand social processes map the dynamics of social change, decipher social interactions and make sense of individual and collective experiences in their social, historical and cultural context. Sociology is at once critical and constructive; conceptual and applied; theoretical and empirical. It is a science that cohabits comfortably with literary flair, speculative sensibility, historical imagination and statistical rigour. It is incessantly reflexive about its methods, demanding about its research techniques and standards of evidence. Sociology is ever so subtle about the conceptual distinctions it draws and zealous about its disciplinary boundaries and identity. At the same time, sociology is the most open and interdisciplinary of social sciences. The Pursuit of sociology is a systematic effort at recovering, mapping and making sense of our kaleidoscopic collective self under the sign of modernity. It is both historical and comparative. Sociology as an academic discipline is committed to the ideal of generating public knowledge and fostering public reason. It embodies best of enlightenment virtues: scientific reason, tolerance of diversity, humanistic empathy and celebration of democratic ideals. It is the science of our times.

Teaching Learning Process

Multiple pedagogic techniques are used in imparting the knowledge both within and outside the classrooms. Listed below are some such techniques:

- Lectures
- Tutorials
- Power-point presentations
- Project work
- Documentary Films on relevant topics
- Debates, Discussions, Quiz
- Talks /workshops

- Interaction with experts
- Academic festivals
- Classics and other sociologically meaningful films
- Excursions and walks within the city
- Visit to the museums
- Outstation study tours ….. Survey designs
- Internships

A note on Assessment Methods

Besides the formal system of University exams held at the end of each semester as well as mid-semester and class tests that are held regularly, the students are also assessed on the basis of the following:

- Written assignments
- Projects Reports
- Presentations
- Participation in class discussions
- Ability to think critically and creatively to solve the problems
- Application of classroom concepts during fieldwork
- Reflexive Thinking
- Engagement with peers
- Participation in extra and co-curricular activities
- Critical assessment of Films /Books etc.

A note on career trajectories for Sociology Graduates and (for) Prospective employers:

Students with a grounding in Sociology have contributed immensely to the following
fields :

- Academics
- Bureaucracy
- Social Work
- Law
- Journalism both print and visual
- Management
- Policy Making
- Developmental Issues
- Designing and Conducting surveys
- Human Resource Development
- Competitive Examinations
- Advocacy
- Performing Arts
- Research in contemporary issues of Gender, Development, Health, Urban Studies,
  Criminology etc.

Estd. 1962
NAAC 'A' Grade

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA
PHONE : EPABX-2609000 website- www.unishivaji.ac.in
FAX 0091-0231-2691533 & 0091-0231-2692333 – BOS - 2609094
शिवाजी विद्यापीठ, कोल्हापूर – 416004.
दुरध्वनी (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग– २६०९०९४)
फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३.e-mail:bos@unishivaji.ac.in

Ref../SU/BOS/Com & Mgmt./ 6032 **Date : 17/06/2019**

To,

The Principal
All Affiliated (Commerce & Management) College/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi and equivalence of B. Com. Part-II (Sem. III & IV) Choice Based Credit System (CBCS) degree programme under the Faculty of Commerce & Management.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi and equivalence of B. Com. Part-II (Sem. III & IV) Choice Based Credit System (CBCS) under the Faculty of Commerce & Management.

This syllabi and equivalence shall be implemented from the academic year 2019-2020 (i.e. from June, 2019) onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

The question papers on the pre-revised syllabi of above mentioned course will be set for the examinations to be held in October / November 2019 & March / April, 2020. These chances are available for repeater students, if any.

For Students of Distance Education this syllabi shall be imlemented from the academic year 2020-2021 (i.e. from June, 2020) onwards

You are therefore, requested to bring this to the notice of all Students and Teachers concerned.

Thanking you,

Yours faithfully,

Dr. Registrar

Encl : As above

Copy to,

1. I/c Dean, Faculty of Commerce & Management
2. Chairman, BOS under Faculty of Commerce & Management

} for information

3. Director, BOEE
4. Appointment Section
5. P. G. Admission Section
6. B. Com. Section
7. Affiliation Section (U.G./P.G.)
8. Computer Center/I.T.
9. Eligibility Section
10. Distance Education
11. P.G. Seminer Section

} for information and necessary action.

SHIVAJI UNIVERSITY, KOLHAPUR

Estd. 1962

NAAC 'A' Grade

Faculty of Commerce & Management

Syllabus For

Bachelor of Commerce

B. Com. Part II

(Sem III & IV)

To be implemented from June 2019 onwards.

(Subject to the modifications that will be made from time to time)

Shivaji University, Kolhapur
B.Com (CBCS) Part-II (Semester-III)
Corporate Accounting Paper - I
Core Course
Introduced from June-2019-20

4 Credits

Course Outcomes:

1. Explain the accounting entries of issue and forfeiture of shares and re-issue of forfeited shares, discuss accounting treatment for redemption of preference shares and buyback of shares.
2. Demonstrate accounting for issue of debentures and redemption of debentures.
3. Simulate practice of preparing financial statements as per the provisions of Indian Companies Act 2013.
4. Practice the fundamental accounting process on Tally ERP.

Syllabus Contents

Unit I: Issue and forfeiture of shares, Re-issue of forfeited shares, Redemption of preference shares and Buyback of shares. (15 Periods)

Unit II: Issue and Redemption of Debentures (10 Periods)

Unit III: Preparation of Final Accounts of Companies. (15 Periods)

Unit IV: Practical of Fundamental Computerised Accounting (20 Periods)

a) Introduction to Tally ERP.9, Technological Advantages, Getting Functional with Tally ERP.9, Tally ERP.9 Start-up, Mouse/Keyboard Conventions, Switching between Screen Areas, Quitting Tally ERP.9, Setting up of Company in Tally ERP.9,
b) Create a Company- Select a Company, Alter a Company, Shut a Company, Creating Accounting Masters in Tally ERP.9, Chart of Accounts,
c) Pre-defined Groups of Accounts, Groups- Creating Single Group, Creating Multiple Group, Displaying Group, Altering Group,
d) Ledgers, Creating Single Ledger, Creating Multiple Ledger, Displaying Ledger, Altering Ledger, Voucher Entry in Tally ERP.9,
e) Accounting Vouchers- Contra Voucher (F4), Payment Voucher (F5), Receipt Voucher (F6), Journal Voucher (F7), Purchase (F9), Sales (F8), Debit Note (Ctrl + F9), Credit Note (Ctrl + F8),
f) Financial Statements- Balance Sheet, Profit & Loss A/c., Trial Balance,
g) Accounting Books and Registers- Cash Book, Bank Book, Purchase Register, Sales Register, Journal Register, Debit Note Register, Credit Note Register and Day Book.

Notes:

1) College should make a provision of necessary computers and accounting software for commerce department to train the students in Computerised Accounting as prescribed in the syllabus.
2) A visit should be arranged for increasing awareness of students regarding Corporate Accounting either in any Company Office or the Office of any Chartered Accountant/ Professional Accountant.

Reference Books:-

1) Gupta, S. C.; Gupta, M. P.; Shukla, M. C.; Agrawal, B. M. and Grewal, T. S. (2019). Advanced Corporate Accounting, New Delhi: S. Chand & Company.
2) Shukla, M. C.; Grewal, T. S. and Gupta, S. C.; (2016). Advanced Accounts, New Delhi: S. Chand & Company.
3) Arulnandan, M. A. and Raman, K. S. (2018). Advanced Accountancy (Corporate Accounting) Vol. II, Mumbai: Himalaya Publishing House.
4) Gupta, R. L. andRadhaswamy, M. (2018). Advanced Accountancy Vol. II, New Delhi: Sultan Chand and Sons.
5) Maheshwari, S. N.; Maheshwari, Suneel and Maheshwari, Sharad K. (2018). Corporate Accounting. New Delhi: Vikas Publication House.
6) Shukla M. C. ; Grewal T.S. and Gupta S.C. - Advanced Accounts, New Delhi: S.Chand and Co.
7) Jain, S. P.; Narang, K. L.; Agrawal, Simmi and Sehgal, Monik (2018). Advanced Accountancy (Corporate Accounting) Vol. II, New Delhi: Kalyani Publishers.
8) Hanif, M. and Mukharjee, A (2018). Modern Accountancy Vol. II, Noida: McGraw Hill Education India (Private) Ltd.
9) Chakraborty, Hrishikesh, Advanced Accountancy, Oxford University Press
10) Chougule,Rajan (2011). Computerized Accounting, Kolhapur.
11) Tulsian, P. C. and Tulsian, Bharat (2015). Corporate Accounting, New Delhi: S. Chand Publishing.

Shivaji University, Kolhapur
B.Com. (CBCS) Part-II (Semester-IV)
Corporate Accounting Paper - II
Core Course
Introduced from June-2019-20

4 Credits

Course Outcomes:

1. Explain the accounting entries of profit/loss prior to incorporation.
2. Compute the value of shares as per distinct methods and differentiate between them.
3. Simulate practice of accounting for liquidation of companies.
4. Practice the store accounting through Tally ERP.

Unit -I: Profit /Loss Prior to Incorporation. (15 Periods)

Unit-II: Valuation of shares: Intrinsic value method, Market value Method (Capitalization of profit and dividend basis) Fair value. **(10 Periods)**

Unit-III: Accounting for Liquidation of companies- Process of Liquidation under Insolvency and Bankruptcy Code, Preparation of Liquidator's Final Statement of Account**.** **(15 Periods)**

Unit-IV: Store Accounting with Practical using Tally. **(20 Periods)**

Theory:

a) Basic Concepts of Store Accounting- Importance of Material Management and Inventory Control, Objectives of Inventory Control System, Functions and Duties of Store-keeper,
b) Key Terms- Stock items, Category of item, Item Name, Unit of Measurement- Purchase Rate per Unit, Current Stock Quantity, Current Valuation Rate, Opening Stock Quantity, Opening Valuation Rate, Purchase Returns, Sales Returns
c) Stock Valuation Methods- Source document, Types of Source documents, Purchase Invoice, Goods Received Note, Sales Invoice, Delivery Challan
d) Tally Reports of Store Accounting- Bill-wise List of Stock Items, Stock Statement, Material Receipts/ Purchases Register, Material Issues/ Sales Register, Material Return Report, Slow Moving Items Report, Fast Moving Items Report.

Practical:

a) Creating Inventory Masters in Tally.ERP 9, Stock Groups- Creating Single Stock Group, Creating Multiple Stock Group, Displaying Stock Group, Altering Stock Group,
b) Units of Measure- Simple Units, Creating Simple Units, Displaying Units of Measure, Deleting Units of Measure
c) Stock Items- Creating Single Stock Items, Creating Multiple Stock Items, Displaying Stock Items, Altering Stock Items,
d) Voucher Entry in Tally.ERP 9- Purchase Voucher (F9), Sales Voucher (F8), Credit Note Voucher (Ctrl + F8), Debit Note Voucher (Ctrl + F9)
e) Financial Statements- Balance Sheet, Profit & Loss A/c., Trial Balance,

f) Accounting Books & Registers- Cash Book, Bank Book, Purchase Register, Sales Register, Journal Register, Debit Note Register, Credit Note Register, Day Book, Statistics,
g) Inventory Books & Reports- Stock Summary, Stock Item Summary, Stock Group Summary, Exception Reports- Negative Stock, Negative Summary.

Notes:

1) College should make a provision of necessary computers and accounting software for commerce department to trainthe students in Computerised Accounting as prescribed in the syllabus.
2) A visit shouldbe arranged for increasing awareness of students regarding CorporateAccounting either in any Company Office or the Office of any Chartered Accountant/ Professional Accountant.

Reference Books:-

12) Gupta, S. C.; Gupta, M. P.; Shukla, M. C.; Agrawal, B. M. and Grewal, T. S. (2019). Advanced Corporate Accounting, New Delhi: S. Chand & Company.
13) Shukla, M. C.; Grewal, T. S. and Gupta, S. C.; (2016). Advanced Accounts, New Delhi: S. Chand & Company.
14) Arulnandan, M. A. and Raman, K. S. (2018). Advanced Accountancy (Corporate Accounting) Vol. II, Mumbai: Himalaya Publishing House.
15) Gupta, R. L. andRadhaswamy, M. (2018). Advanced Accountancy Vol. II, New Delhi: Sultan Chand and Sons.
16) Maheshwari, S. N.; Maheshwari, Suneel and Maheshwari, Sharad K. (2018). Corporate Accounting. New Delhi: Vikas Publication House.
17) Shukla M. C. ; Grewal T.S. and Gupta S.C. - Advanced Accounts, New Delhi: S.Chand and Co.
18) Jain, S. P.; Narang, K. L.; Agrawal, Simmi and Sehgal, Monik (2018). Advanced Accountancy (Corporate Accounting) Vol. II, New Delhi: Kalyani Publishers.
19) Hanif, M. and Mukharjee, A (2018). Modern Accountancy Vol. II, Noida: McGraw Hill Education India (Private) Ltd.
20) Chakraborty, Hrishikesh, Advanced Accountancy, Oxford University Press
21) Chougule,Rajan (2011). Computerized Accounting, Kolhapur.
22) Tulsian, P. C. and Tulsian, Bharat (2015). Corporate Accounting, New Delhi: S. Chand Publishing.

Nature of Question Paper

B.Com. Part-II
Under CBCS
Subject: Corporate Accounting Paper-I (Semester-III)
Core Course
(Introduced from June-2019-20)

Instructions:- 1- All questions are compulsory.
2-Figures to the right indicate marks.

Total Marks- 40

Q.No.1 Short Answer Questions:
a) Question on Theory of Unit-1 Or Question on Theory of Unit-1 5 marks
b) Question on Problem of Unit-1OrQuestion on Problem of Unit-1 5 marks

Q.No.2Short Answer Questions:
a) Question on Theory of Unit-2Or Question on Theory of Unit-2 5 marks
b) Question on Problem of Unit-2 Or Question on Problem of Unit-2 5 marks

Q.No.3Questions:
a) Question on Theory of Unit-3Or Question on Theory of Unit-3 5 marks
b) Question on Problem of Unit-3 Or Question on Problem of Unit-3 10 marks

Q.No.4Short Answer Questions:
a) Question on Theory of Unit-4 Or Question on Theory of Unit-4 5 marks

Notes:
1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-I.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

Nature of Question Paper

B.Com. Part-II
Under CBCS
Subject: Corporate Accounting Paper-II (Semester-IV)
Core Course
(Introduced from June-2019-20)

Instructions:- 1- All questions are compulsory.
2-Figures to the right indicate marks.

Total Marks- 40

Q.No.1 Short Answer Questions:
c) Question on Theory of Unit-1 Or Question on Theory of Unit-1 5 marks
d) Question on Problem of Unit-1OrQuestion on Problem of Unit-1 5 marks

Q.No.2Short Answer Questions:
c) Question on Theory of Unit-2Or Question on Theory of Unit-2 5 marks
d) Question on Problem of Unit-2 Or Question on Problem of Unit-2 5 marks

Q.No.3Questions:
c) Question on Theory of Unit-3Or Question on Theory of Unit-3 5 marks

d) Question on Problem of Unit-3 Or Question on Problem of Unit-3 10 marks

Q.No.4Short Answer Questions:

b) Question on Theory of Unit-4 Or Question on Theory of Unit-4 5 marks

Notes:

1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-I.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

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Shivaji University, Kolhapur
B.Com (CBCS Pattern)
Part-II (Semester-III)
Fundamentals of Entrepreneurship- Paper-I
Generic Elective Course
Introduced from June-2019-20

Credits-4

Objectives-

1. To impart theoretical knowledge of Entrepreneurship
2. To develop Entrepreneurship qualities and skills
3. To acquaint students with Steps involved in the formation of Small Enterprises
4. To enlighten students with Recent Trends and Concepts in Entrepreneurship

Unit-I	**Entrepreneur:-** Evolution, Meaning and Definition, Functions, Qualities of successful entrepreneur, Types of Entrepreneur, Obstacles to become an Entrepreneur, Challenges before existing entrepreneur in modern era.	15 Hours
Unit-II	**Entrepreneurship and Entrepreneurship Development:** Concept, Definitions, Importance, Theories- Joseph Schumpeter's Theory of Innovation, Hagen's theory of Status Withdrawal, David McClelland's Need for Achievement theory, Knight's Risk Taking theory, Entrepreneurship Development- Concept and Process. Introduction, Functions and Performance of – EDI, MCED And DIC	15 Hours
Unit-III	**Micro, Small and Medium Enterprises(MSME):** Definition, Importance, Problems of MSME and Remedies, Government Policy and Support, Steps involved in the formation of Small Enterprises- Location, Clearances, Permits required, Formalities, Licensing and Registration Procedure.	15 Hours
Unit-IV	**Recent Trends and Concepts in Entrepreneurship:** Recent Trends- Start up, Stand up, Skill India, Make in India, Incubation Centre- Concept and Importance. Concepts- Sociopreneur, Edupreneur, Ecopreneur, Netpreneur, Intrapreneur(Only concept and Characteristics)	15 Hours

Shivaji University, Kolhapur
B.Com (CBCS Pattern)
Part-II (Semester-IV)
Fundamentals of Entrepreneurship- Paper-II
Generic Elective Course
Introduced from June-2019-20

Credits-4

Objectives-

1. To acquaint students with family business in India
2. To impart conceptual knowledge of Service and Agro Entrepreneurship
3. To aware students about Business Plan and Project Report
4. To inspire the students through successful stories of Entrepreneurs

Unit-I	**Family Business:** Meaning, Types, Advantages and Disadvantages of Family Business, Challenges before family business in India, Business Succession Planning, Making family business more effective.	15 Hours
Unit-II	**Service and Agro Entrepreneurship:** A) Service Entrepreneurship- Meaning and Concept, Role of Service sector in National Economy, Opportunities in Service sector. B) Agro Entrepreneurship- Meaning and Concept, Importance, Entrepreneurial Opportunities in Agro Sector, Challenges before Agro Entrepreneurship	15 Hours
Unit-III	**Business Plan and Project Report:** Meaning and Concept of Business Plan, Key elements of business plan. Meaning, Concept and classification of project. Project for Retail store, Beauty parlor, Oil Mill, Cold Storage, Eco friendly Bag production- Reasons for failure of project.	15 Hours
Unit-IV	**Women Entrepreneurship and Successful Entrepreneurs** Women Entrepreneur- Concept and causes of limited growth of women entrepreneurs in India. Successful Entrepreneurs- Male- Jeff Bezos(Amazon), Hanmantrao Gaikwad (BVG), Chitale Brothers (Chitale Dairy), Ramdas Mane (Mane Group of Industries) Female- Aditi Gupta (Whisper Girl), Chetana Gala-Sinha (Manadeshi Foundation), Vandana Luthra (VLCC),	15 Hours

Note – Industrial visit/ visit to EDP Institute is suggested to acquaint students about entrepreneurial knowledge.
A talk or interaction with entrepreneurial should be arranged.

B.Com.II
Semester III and IV (CBCS Pattern)
Fundamentals of Entrepreneurship Paper I & II
Nature of Question Paper

Instructions: **Total Marks: 50**

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Write short answers (Any two out of Three)	10 Marks
Q.2	Broad Question	10 Marks
Q.3	Broad Question	10 Marks
Q.4	Broad Question	10 Marks
Q.5	Broad Question	10 Marks
Q.6	Broad Question	10 Marks
Q.7	Write Short Notes (Any two out of Three)	10 Marks

Equivalence

Sr.No.	Old Name	New Name
1	Fundamentals of Entrepreneurship Paper - I	Fundamentals of Entrepreneurship Paper - I
2	Fundamentals of Entrepreneurship Paper - II	Fundamentals of Entrepreneurship Paper - II

Reference Books:

1. Dynamics of Entrepreneurial Development and Management- by Vasant Desai
2. Udyojakata- by Prabhakar Deshmukh
3. Entrepreneurship Development in India- by C.B. Gupta and N.P. Shrinivasan
4. Entrepreneurship and Small Business Management- by Shukla M.B.
5. Entrepreneurial Development- by Dr. S.S. Khanka
6. Entrepreneurial Development- by Godron E. and Natrajan K.
7. Entrepreneurial Development- by Taneja Satish and Gupta S.L.
8. Current Trends in Entrepreneurship - by Mohan S. Elangovan R.
9. Project Preparation Appraisal, Implementation- by Prasanna Chandra
10. Formulation of a Project Report- by Vinod Gupta

Shivaji University, Kolhapur

Syllabus of B.Com

(Semester-III & IV)

Syllabus to be Introduced from June 2019

Money and Financial System

CHOICE-BASED CREDIT SYSTEM
B.Com SEM III
Money and Financial System (Paper No – 1)

Course Outcomes:

1. Learners will be able to explain functions of money and measurement of money supply
2. Learners will understand the banking system and its functioning in India
3. Learners will understand the nature of banking business and business practices
4. Learners will understand the important recent trends in banking system

Expected Skills Impartation (Through theory and Practical's)

1. Ability to explain monetary system in India
2. Ability to critical thinking on banking business
3. Ability to explain recent trends in Indian Banking

Marks : 50	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**Introduction to Money** 1.1 Evolution, Meaning and Functions of Money 1.2 Meaning and Features of Blockchain Technology and Digital Currency 1.3 Approaches to the Money supply, RBI's Measures 1.4 Constituents and Factors affecting on Money Supply	13 Lectures
Unit-2:	**Introduction to Banking** 2.1. Meaning, Evolution and Functions of Commercial Banks 2.2. Types and features of banks - Commercial, Cooperative, Public and Private, Foreign, Payment Banks, Small Finance Banks, Local Area Banks etc 2.3. Principles of Banking Business and its importance 2.4. Process of Credit Creation and Its limitations	15 Lectures
Unit-3:	**Banking Business and Practices** 3.1. Meaning, Types and Features of Deposits Products of Banks 3.2. Meaning, Types and Features of Loan Products of Banks 3.3. Sources of Funds and Income for Banks 3.4. Changing Nature of Banking Business	17 Lectures
Unit-4:	**New Trends and Recent Issues in Indian Banking** 4.1 Micro Finance Institutions- Evolution, Functions and Importance 4.2 Types, Advantages and Disadvantages of Bank Mergers 4.3 Licensing and functioning of Payment Banks Small Finance Banks 4.4 Meaning, Causes and Remedies for NPA, Prompt Correctives Action	15 Lectures

Note: Bank visits and case studies on banking business should be conducted

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. Bhasin Nitin (2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.

EQUIVALENCE OF THE PAPERS

Sr	Existing title of the Paper	Revised Title of the paper
1	**Money and Financial System (Paper - I)**	**Money and Financial System (Paper - I)**

Nature of question paper for semester III and IV (Paper No. I & II)
Attempt any five questions.
Total marks 50

Q1. Write short answers (any two out of three)	10
Q2. Broad question	10
Q3. Broad question	10
Q4. Broad question	10
Q5. Broad question	10
Q6. Broad question	10
Q7. Write short notes (any two out of three)	10

Shivaji University, Kolhapur

Syllabus of B.Com

(Semester-III & IV)

Syllabus to be Introduced from June 2019

Money and Financial System

CHOICE-BASED CREDIT SYSTEM
B.Com SEM IV

Money and Financial System (Paper No – 2)

Course Outcomes:

1. Students will be able to use e-banking services
2. Students will be able explain working of RBI in India
3. Students will be able to provide consultancy and guidance for investment in financial markets
4. Students will be able to explain the business practices of NBFCs and AIFI

Expected Skills Impartation (Through theory and Practical's)

1. Use of E-banking services
2. Able to provide Financial consultancy
3. Critical thinking about NBFCs and their effects

Marks : 50	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**E-Banking Services** 1.1 Meaning and features of E-Banking, Various Internet Banking Services 1.2 Credit and Debit Card : Features, importance & precautions 1.3 NEFT, RTGS, IMPS & Cheque Truncation System 1.4 Mobile Banking - Features, different Mobile Apps and Importance	17 Lectures
Unit-2:	**Reserve Bank of India** 2.1 Organizational Structure and Functions of RBI 2.2 Meaning and Objectives Monetary Policy 2.3 Instruments of Monetary Policy 2.4 Monetary Policy Committee; Issue of RBI's Autonomy & Section-7 of RBI Act 1934	12 Lectures
Unit-3:	**Financial Markets** 3.1 Structure and Importance of Financial System 3.2 Features and structure of Money Market in India, Role of RBI 3.3 Features and structure of Capital Market in India, Role of SEBI 3.4 Reforms in Indian Money Market and Capital Market	17 Lectures
Unit-4:	**All India Financial Institutes and NBFCs** 4.1 Administrative Structure, Functions and Role of NABARD and SIDBI 4.2 Administrative Structure, Functions and Role of NHB and EXIM Bank 4.3 Meaning, Features, Types and Growth of NBFCs 4.4 Mutual Fund - Meaning, Types and Importance	15 Lectures

Note: Visits to financial institutes and financial consultancy firms should be conducted

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. Bhasin Nitin(2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of

India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.

EQUIVALENCE OF THE PAPERS

Sr	Existing title of the Paper	Revised Title of the paper
1	Money and Financial System (Paper - II)	Money and Financial System (Paper - II)

SHIVAJI UNIVERSITY,KOLHAPUR
Syllabus B.COM.
SEMESTER - III
MACRO ECONOMICS – PAPER- I
(CHOICE BASED CREDIT SYSTEM – (CBCS)
Credits : 4
Introduced from June 2019

COURSE OUTCOMES:
Student will be able to explain…
1 The macro variables and components of macro economics
2 The relevance of national income concepts and its applications in economic policy making.
3 Changing value of money and its impacts on economy.
4 The output and employment generation process through investment and consumption.

UNIT -1	**Introduction to Macro Economics** 1.1 Meaning, Nature and Scope 1.2 Significance of Macro Economics 1.3 Limitations of Macro Economics 1.4 Macro Economic Variables	15
UNIT -2	**National Income** **2.1** Meaning and concepts- GDP,GNP,NNP, Personal and Disposable income, Per capita Income, National income at current and constant prices. **2.2** Methods of computing National Income- Product, Income and Expenditure methods 2**.3** Difficulties in computing National Income **2.4** Applications of National Income Data	15
UNIT -3	**Value of Money** **3.1** Concept of Value of Money **3.2** Quantity Theory of Money-, Transaction Approach, Cash Balance Approach **3.3** Inflation-Causes of Inflation, Inflation and interest rates, Social cost of Inflation, Remedies to control of inflation. **3.4** Index Number – Meaning, Construction of Simple and Weighted Index Numbers.	15
UNIT -4	**Output and Employment** **4.1** J.B. Say's Law of Market **4.2** Keynesian Theory of Employment **4.3** Consumption Function - Concept and Types, Factors influencing consumption function **4.4** Investment Function- Marginal Efficiency of Capital, Investment Multiplier	15

References –

1. Agarwal H.S. (2013), Principles of Economics, Global Professional Publishing
2. Ahuja H.L.(2010), Macro Economics Theory and Policy, S. Chand and Company.
3. Branson William H. (1997), Macro Economics Theory and Policy,harper Collins India Pvt.Ltd.
4. Crowther Geoffrey (1940),An Outline of Money, Thomas Nelson and sons Ltd. London
5. Duesenberry James,S. Business Cycles and national Income, Georg Allen and Union London
6. Derburg and McDougal (1976), Macro Economics, McGraw Hill Education, New York
7. Dewtt K.K.,(2006),Modern Economic Theory, S. Chand and Company.
8. Gupta G.S.(2008),Macro Economics: Theory and Applocations,tata McGraw Hill Education
9. Gupta S.B.(2010),Monetery Economics, S. Chand and Company.
10. Hanson J.L. An Outline of Monetary Theory, McDonalds and Evans Ltd.London
11. Haberler Gottfried (1968) Theory of International Trade, William Hodge and Company
12. Hanson Alvin H. (1949), Monetery Theory and Policy, McGraw Hill Publication
13. Hanson J.L.(1970),Monetary Theory and Practice, McDonalds and Evans Ltd.London
14. Hicks U.K.(1968), Public Finance, James Nisbet and Comp.London
15. Lindauer John (2012) Macro Economics,4th Ed iUnivers Inc.Bloomington USA
16. Jinghan M.L. Macro Economic Theory,Vinda Publication Pvt.Ltd.new Delhi
17. Lekhi R.K.Public ,(2015)Finance,Kalayani Publishers New Delhi
18. Mithani D.M. (2012), Money Banking International Trade and Public Finance,Himalaya Publishing House
19. Musgrave Richard,(2004), Public Finance, McGraw Hill Publication
20. Shapiro Edward (2013),Macro Economic Analaysis, Galgotia Publication
21. Samuelsson Paul A. Nordhaus W.D.(2010),Macro Economics, McGraw Hill Publication
22. Schumpeter J.A.(1939), Business Cycles, McGraw Hill Publication
23. Seth M.L. (2017),Macro Economics, Laximinarayan Agarwal Publication
24. Singh S.B. Macro Economics, Vishvbharti Publication New Delhi
25. Taygi B.P. Singh H.P(2016), Public Finance,Jaypraksh Nath Co.
26. Vaish M.C.(2009).Monetary Policy.Vikas Publishing House New Delhi

Equivalence of the paper

Title of Old Paper	Title of New Paper
Business Economics Paper III	Macro Economics Paper I

SHIVAJI UNIVERSITY,KOLHAPUR
Syllabus
B.COM.
SEMESTER - IV
MACRO ECONOMICS – PAPER- II
(CHOICE BASED CREDIT SYSTEM – (CBCS)
Credits : 4
Introduced from June 2019

COURSE OUTCOMES:
Student will be able to explain…

1. The trade cyclical phenomenon in the economy and they will able to take practical decisions at their business level in future.
2. Public finance system of state and its impact on economy and citizens of the nation.
3. The trade and business practices through international trade theories and other relevant concepts.
4. The international monetary exchange system and determination of rate exchange.

UNIT -1	**Trade Cycles** **1.1** Meaning Features and Types **1.2** Phases of Trade Cycles **1.3** Theories of Trade Cycles – Hawtrey and Schumpeter **1.4** Control of Trade Cycles	15
UNIT -2	**Public Finance** **2.1** Meaning, Nature and Scope, The Principle of Maximum Social Advantage **2.2** Public Revenue- Meaning, Tax Revenue-Direct and Indirect Taxes - Merits and Demerits, Concept of Goods and Service Tax (GST), Non-Tax Revenue Sources **2.3** Public Expenditure- Causes of growth and effects **2.4** Public Debt – Forms and Effects, Deficit Financing- Objectives and limitations.	15
UNIT -3	**International Trade** **3.1** Concept of Trade, Internal and International Trade **3.2** Advantage and Disadvantage of International Trade, Ricardian Theory of International Trade, Terms of Trade – Meaning, Types and its influencing factors. **3.3** Balance of Payments – Causes of disequilibrium, Measures to correct disequilibrium. **3.4** Concepts of Free Trade and Protective Trade	15
UNIT 4	**Rate of Exchange** **4.1** Concept of Rate of Exchange **4.2** Types – Fixed, Flexible , Spot and Future rate of exchange **4.3** Purchasing Power Parity Theory	15

	4..4 Modern Theory of rate of exchange	

References –

1. Agarwal H.S. (2013), Principles of Economics, Global Professional Publishing
2. Ahuja H.L.(2010), Macro Economics Theory and Policy, S. Chand and Company.
3. Branson William H. (1997), Macro Economics Theory and Policy,harper Collins India Pvt.Ltd.
4. Crowther Geoffrey (1940),An Outline of Money, Thomas Nelson and sons Ltd. London
5. Duesenberry James,S. Business Cycles and national Income, Georg Allen and Union London
6. Derburg and McDougal (1976), Macro Economics, McGraw Hill Education, New York
7. Dewtt K.K.,(2006),Modern Economic Theory, S. Chand and Company.
8. Gupta G.S.(2008),Macro Economics: Theory and Applocations,tata McGraw Hill Education
9. Gupta S.B.(2010),Monetery Economics, S. Chand and Company.
10. Hanson J.L. An Outline of Monetary Theory, McDonalds and Evans Ltd.London
11. Haberler Gottfried (1968) Theory of International Trade, William Hodge and Company
12. Hanson Alvin H. (1949), Monetery Theory and Policy, McGraw Hill Publication
13. Hanson J.L.(1970),Monetary Theory and Practice, McDonalds and Evans Ltd.London
14. Hicks U.K.(1968), Public Finance, James Nisbet and Comp.London
15. Lindauer John (2012) Macro Economics,4th Ed iUnivers Inc.Bloomington USA
16. Jinghan M.L. Macro Economic Theory,Vinda Publication Pvt.Ltd.new Delhi
17. Lekhi R.K.Public ,(2015)Finance,Kalayani Publishers New Delhi
18. Mithani D.M. (2012), Money Banking International Trade and Public Finance,Himalaya Publishing House
19. Musgrave Richard,(2004), Public Finance, McGraw Hill Publication
20. Shapiro Edward (2013),Macro Economic Analaysis, Galgotia Publication
21. Samuelsson Paul A. Nordhaus W.D.(2010),Macro Economics, McGraw Hill Publication
22. Schumpeter J.A.(1939), Business Cycles, McGraw Hill Publication
23. Seth M.L. (2017),Macro Economics, Laximinarayan Agarwal Publication
24. Singh S.B. Macro Economics, Vishvbharti Publication New Delhi
25. Taygi B.P. Singh H.P(2016), Public Finance,Jaypraksh Nath Co.
26. Vaish M.C.(2009).Monetary Policy.Vikas Publishing House New Delhi

Equivalence of the papers

Title of Old Paper	Title of New Paper
Business Economics Paper IV	Macro Economics Paper II

Nature of Question Paper for paper III and IV

Total Marks: 50

Attempt any five questions out of seven

Q.1 Write short answers (Any two out of three) 10

Q.2 Broad question 10

Q.3 Broad question	10
Q.4 Broad question	10
Q.5 Broad question	10
Q.6 Broad question	10
Q.7 Write short notes (Any two out of three)	10

B.COM. PART II
ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)
(CBCS)

ENGLISH FOR BUSINESS COMMUNICATION

(Compulsory English)
June 2019 Onwards

Course Objectives:

- To enable the students to develop communication skills in English, both oral and written.
- To equip the students with the language skills for use in their personal, academic and professional lives.
- To develop the students essential employability skills.
- To help the students to enter the job market with confidence and the ability to work effectively.
- To help the students to learn and practice both language and soft skills.
- To encourage the active involvement of students in learning process.
- To enable the students to cultivate a broad, human and cultured outlook.

CONTENTS

Semester III (Paper C)

Module I

A) Oral Skills

B) Phenomenal Woman – **Maya Angelou**

Module II

A) Conversation Skills

B) The Childless One – **Jai Nimbkar**

C) Those Winter Sundays – **Robert Hayden**

Module III

A) English for Competitive Examination – I

B) Four Minutes that get you Hired

–Connie Brown Glaser and Barbara Steinberg Smalley

Module IV

A) Stormy Arrival in South Africa – **Mohandas Karamchand Gandhi**

B) The Road Not Taken – **Robert Frost**

Semester IV (Paper D)

Module V

A) E-Communication

B) Breathing Spaces – **Rana Nayar**

Module VI

A) English for Competitive Examination – II

B) My Financial Career – **Stephen Leacock**

Module VII

A) English for Banking and Industries

B) Senor Payroll – **William E. Barrett**

Module VIII

A) The Verger – **Somerset Maugham**

B) I Am the People, the Mob – **Carl Sandburg**

C) One Day I Wrote Her Name – Edmund **Spenser**

Pattern of Question Paper

B.COM. PART II
ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)
(CBCS)

ENGLISH FOR BUSINESS COMMUNICATION
(Compulsory English)

PATTERN OF QUESTION PAPER (June 2019 Onwards)

Semester III (Paper C) **Total Marks 50**

Que. No.	Sub. Q.	Type of Question	Based on	Marks
Q.1.	A.	Four multiple choice questions with four alternatives to be set.	Prose and poetry	04
	B.	Answer in one word/Phrase/Sentence each.	Prose and poetry	04
Q.2.	A.	Answer the following questions in 3 - 4 sentences each (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write short notes on the following in about 7 - 8 sentences each (2 out of 3)	1 on Prose and 2 on Poetry	06
	C.	Two different Vocabulary exercises to be set for 2 marks each	Prose and poetry	04
Q.3.	A.	Question to be set on ORAL SKILLS	Module I A	05
	B.	Question to be set on ORAL SKILLS	Module I A	04
Q.4.	A.	Question to be set on CONVERSATION SKILL	Module II A	04
	B.	Question to be set on CONVERSATION SKILL	Module II A	04
Q.5	A.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – I	Module III A	05
	B.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – I	Module III A	04

Semester IV (Paper – D) **Total Marks 50**

Que. No.	Sub. Q.	Type of Question	Based on	Marks
Q.1.	A.	Four multiple choice questions with four alternatives to be set.	Prose and poetry	04
	B.	Answer in one word/Phrase/Sentence each.	Prose and poetry	04
Q.2.	A.	Answer the following questions in 3 - 4 sentences each (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write short notes on the following in about 7 - 8 sentences each (2 out of 3)	1 on Prose and 2 on Poetry	06
	C.	Two different Vocabulary exercises to be set for 2 marks each	Prose and poetry	04
Q.3.	A.	Question to be set on E-COMMUNICATION	Module V A	05
	B.	Question to be set on E-COMMUNICATION	Module V A	04
Q.4.	A.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – II	Module VI A	04
	B.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – II	Module VI A	04
Q.5.	A.	Question to be set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	05
	B.	Question to be set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	04

Shivaji University, Kolhapur
Syllabus of B. Com. (SEM – III)
(To be introduced from June, 2019)

BUSINESS STATISTICS (PAPER-I)

Credits-4

Course Outcomes

After completion of this course, the student will be able to

1. Explain the scope of statistics in business, perform classification and tabulation, and represent the data by means of simple diagrams and graphs.
2. Explain and apply sampling techniques in real life.
3. Summarize data by means of measures of central tendency and dispersion.
4. Explain the merits and demerits of various measures of central tendency and dispersion.
5. Perform analysis of bivariate data using simple correlation and simple linear regression.

Unit 1: Introduction to Statistics (15)

1.1 Meaning of Statistics, Scope of Statistics in business.
1.2 Primary and secondary data, Discrete and continuous variables, Classification and its basis, Frequency and frequency distribution, Tabulation.
1.3 Diagrammatic representation: pie-chart, simple bar diagram, Graphical representation: histogram, ogive curves, Numerical problems.
1.4 Sampling: Definitions of population, sample, sampling, and census, Principle steps in sample survey, Advantages of sampling over census, Methods of sampling: simple random sampling (with and without replacement), stratified random sampling.

Unit 2: Measures of Central Tendency (15)

2.1 Concept of central tendency, Requirements of a good average.
2.2 Arithmetic mean (A. M.): Definition, Properties of A. M. (without proof), Combined A. M., Merits and demerits, Numerical problems.
2.3 Median and quartiles: Definitions, Merits and demerits of median, Numerical problems.
2.4 Mode: Definition, Merits and demerits, Empirical relation among mean, median, and mode, Numerical problems.

Unit 3: Measures of Dispersion (15)

3.1 Concept of dispersion, Requirements of a good measure of dispersion, Absolute and relative measures of dispersion.
3.2 Range, Coefficient of range, Merits and demerits of range, Numerical problems.
3.3 Quartile deviation (Q. D.), Coefficient of Q. D., Merits and demerits of Q. D., Numerical problems.
3.4 Standard deviation (S. D), Coefficient of S. D., Coefficient of variation, Variance, Merits and demerits of S. D., Numerical problems.

Unit-4: Analysis of Bivariate Data: Correlation and Regression (15)

4.1 Concept of correlation, Types of correlation.

4.2 Methods of studying correlation: Scatter plot, Karl Pearson's correlation coefficient (r), Interpretation of r (with special cases r = −1, 0, and 1), Spearman's Rank correlation coefficient (R), Numerical problems on computation of r and R (with and without ties) for ungrouped data.

4.3 Concept of regression.

4.4 Lines of regression, regression coefficients, relation between correlation coefficients and regression coefficient, Numerical problems on ungrouped data.

Reference Books:

1. Gupta S. P. (2018) *Statistical methods*, Sultan Chand and Sons.
2. Gupta C. B. and Gupta Vijay (2004) *An Introduction to Statistical Methods*, Vikas Publishing House Pvt Limited.
3. Desai S. S.(2017) *Business Statistics*, Jay-Gauri.
4. Kumbhojkar G. V. (2017) *Business Statistics,* Phadke Prakashan.
5. Gupta S. C. (2019) *Fundamentals of Statistics*, Himalaya Publishing House Pvt. Ltd.

Shivaji University, Kolhapur
Syllabus of B. Com. (SEM – IV)
(To be introduced from June, 2019)

BUSINESS STATISTICS (PAPER-II)

Credits-4

Course Outcomes

After completion of this course, the student will be able to

1. Compute unconditional and conditional probabilities and apply laws of probabilities.
2. Identify the applications of Binomial and normal distributions.
3. Measure trend and seasonal variations in time series data.
4. Compute and interpret simple and weighted index numbers.
5. Construct and apply variable and attribute control charts.

Unit 1: Probability and Probability Distributions (15)

1.1 Definitions of random experiment, sample space, event, equally likely events, mutually exclusive events, independent events, Classical definition of probability.

1.2 Definition of conditional probability, Addition and multiplication laws of probability (without proof), Numerical problems (without use of permutation and combination).

1.3 Binomial distribution: Probability mass function, Mean and variance (without proof), Simple numerical problems to find probability and parameters.

1.4 Normal distribution: Probability density function, Mean and variance (without proof), Properties of normal curve, Standard normal distribution, numerical problems to find probabilities for given area under standard normal curve.

Unit 2: Time Series Analysis (15)

2.1 Definition and uses of time series.

2.2 Components of time series.

2.3 Methods of measuring trend: method of semi-averages, method of moving averages, and method of least squares, Numerical problems.

2.4 Measurement of seasonal variations using simple average method, Numerical problems.

Unit 3: Index Numbers (15)

3.1 Need, meaning, and uses of index numbers, Applications of index numbers in share market, Price, quantity, and value index numbers.

3.2 Simple index numbers by simple aggregate method and simple average of relatives method (using A. M.), Numerical problems.

3.3 Weighted index numbers by Laspeyre's, Paasche's, and Fisher's formulae, Numerical problems.

3.4 Problems involved in construction of index numbers.

Unit 4: Statistical Quality Control **(15)**

4.1 Concept of statistical quality control (SQC), Advantages of SQC, Types of variability: chance cause variability and assignable cause variability.

4.2 Shewhart control chart and its construction.

4.3 Variable control charts: mean ($\bar{X}$) and range (R) charts, Numerical problems.

4.4 Attributes control charts: control chart for number of defectives (np-chart) for fixed sample size and control chart for number of defects per unit (c-chart), Numerical problems.

Reference Books:

1. Gupta S. P. (2018) *Statistical methods*, Sultan Chand and Sons.
2. Gupta C. B. and Gupta Vijay (2004) *An Introduction to Statistical Methods*, Vikas Publishing House Pvt Limited.
3. Desai S. S.(2017) *Business Statistics*, Jay-Gauri.
4. Kumbhojkar G. V. (2017) *Business Statistics,* Phadke Prakashan.
5. Gupta S. C. (2019) *Fundamentals of Statistics*, Himalaya Publishing House Pvt. Ltd.

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –III) (Draft Syllabus)

Tax Procedure & Practice – Paper VI

Title of Paper – INCOME TAX

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To understand the process and procedure of the Income Tax Act, 1961
2. To impart theoreotical knowledge of Income Tax
3. To acquaint students with post Asessment procedure and TDS provisions and procedure.

Unit – I	Income Tax Payment and fine of interest – a) Advance Tax b) Interest payble under section 234 ABC	10 Hours
Unit – II	Assessement Procedure – Inquiring before Assessment – Assessment U/S 143(1), Regular Assessment of U/S 143(2), Best Judgement Assessment, Income escaped Assessment, issue of notice where income has escaped assessment, Time Limit for notice, Time limit completion of Assessment, Re-assessment	20 Hours
Unit – III	Post Assessment Procedure – a) Refund – who can claim refund, form no 16 for refund, Time limit for claiming refund, refund on appeal interest refund b) Rectification of mistake c) Appeals and revisions – when an assessee can file appeal appellate authorities, procedure for filling appeal, filling appeal, Revision by Income Tax commissioner d) Penalties and Procedure – Procedure for impressing penalties, Waiver of penalty nature of default and panlties impossible.	20 Hours
Unit – IV	TDS provisions and Procedure – including TDS Tax collection of source provision and procedures.	10 Hours

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –IV) (Draft Syllabus)

Tax Procedure & Practice – Paper VIII

Title of Paper – INCOME TAX

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To impart theoreotical knowledge of TDS, TCS, Penalties and prosecutions
2. To develop the skills of solvin practical problems of TDS and TCS
3. To acquaint students with recent terms and conditions in Income Tax

Unit – I	**TDS** – Scheme of tax deduction at source, deduction of tax from salaries, interest other than interest on securities, winnings from horse races, from payments to contractors or sub contractors, from insurance commission, from commission or brokerage, from income by way of rent, on purchase of immovable property and on professional fees.	20 Hours
Unit – II	**TCS** – Scheme of tax collection at sourse, applicability, persons liable to collect TCS, rates of TCS and relevant provisions.	10Hours
Unit – III	**PENALTIES & PROSECUTIONS** – Penalties for default in brief, penalty for concealment / under-reporting of Income, procedure for imposition of penalty and time-limit for completion of penalty proceedings.	20 Hours
Unit – IV	**PRACTICAL PROBLEMS ON TDS & TCS** – Problems on calculation of TDS & TCS	10 Hours

B.Com.II
Semester III and IV (CBCS Pattern)
Tax Procedure and Practice - Income Tax
Nature of Question Paper

Total Marks : 50

Instructions :

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Theory - Short Notes (Any two out of four)	10 Marks
Q.2	Theory Broad Question	10 Marks
Q.3	Theory Broad Question	10 Marks
Q.3	Problems	
Q.5	Problems	10 Marks
Q.6	Problems	10 Marks
Q.7	Problems	10 Marks

Equivalence

Sr. No.	Old Name	New Name
1	Tax Procedure and Practice Income Tax Paper VI (Vocational)	Tax Procedure and Practice Income Tax Paper VI (CBCS)
2	Tax Procedure and Practice Income Tax Paper VIII (Vocational)	Tax Procedure and Practice Income Tax Paper VIII (CBCS)

Reference Books :

1. Students guide to Income Tax – Taxman
2. Direct Tax ready reckoner – Vinod Sighaniya
3. Income Tax – P.M. Herekar

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –III) (Draft Syllabus)
Tax Procedure & Practice – Paper V
Title of Paper – GST (SGST, IGST & CGST)

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To impart theoreotical knowledge of GST
2. To help students solve practical problems in GST
3. To acquaint students with the latest concepts and terms in GST.

Unit – I	Schedules under the Act(Schedule I.II and III under GST Act 2017) Levy & Collection of Tax (Scope of supply, Composite & mix supply, levy & collection)	10 Hours
Unit – II	Time & value of supply (Time of supply of goods, Time of supply of service, Value of Taxable supply schedules)	10 Hours
Unit – III	Determination of nature of Supply (Inter state Supply, Intra-state supply, Supplies in territorial water. Sec 7,8,9 of IGST Act) Sec. 10 & 11 of IGST Act Sec-10 Place of Supply of Goods other than supply of goods imported into, or exported from India. Sec. 11 – Place of Supply of Goods imported into or exported from India.	10 Hours
Unit – IV	Basic Problems – Problems to calculate SGST & CGST & Time & Value of supply.	30 Hours

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –IV) (Draft Syllabus)
Tax Procedure & Practice – Paper VII
Title of Paper – GST

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To make aware the students regarding new amendments made in the Indirect taxation system of India i.e. GST
2. To give practice approach and implementation of GST provisions
3. To make aware about the key aspects under GST like place of supply of goods and services
4. To enhance the knowledge of students with the practical solutions and case studies under GST.

Unit – I	Composition levy (Conditions, applicability, Composition rate of tax etc. Reverse Charge Mechanism (RCM) – Applicability, Conditions	10 Hours
Unit – II	Input Tax Credit (Eligibility & conditions for taking Input Tax credit apportionment of credit & blocked credit)	20 Hours
Unit – III	**Sec 12** - Place of Supply of Goods or services or both. (Place of supply of services, where location of supplies & recipient in India. **Sec 13** - Place of Supply of services where location of supplier where location of supplier or location of recipient is outside India	20 Hours
Unit – IV	Basic Problems – Time of supply, value of supply, place of supply & ITC	10Hours

B.Com.II
Semester III and IV (CBCS Pattern)
Tax Procedure and Practice - GST
Nature of Question Paper

Total Marks : 50

Instructions :

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Theory - Short Notes (Any two out of four)	10 Marks
Q.2	Theory Broad Question	10 Marks
Q.3	Theory Broad Question	10 Marks
Q.3	Problems	
Q.5	Problems	10 Marks
Q.6	Problems	10 Marks
Q.7	Problems	10 Marks

Equivalence

Sr. No.	Old Name	New Name
1	Tax Procedure and Practice GST (SGST, IGST & CGST) Paper V(Vocational)	Tax Procedure and Practice GST Paper V (CBCS)
2	Tax Procedure and Practice GST Paper VII (Vocational)	Tax Procedure and Practice Income Tax Paper VII (CBCS)

Reference Books :

1. GST made simple – Taxman
2. A birds eye view – Jain and Jha
3. Basics of GST – Taxman
4. GST guide for students – CA Vivek Agarwal

SHIVAJI UNIVERSITY, KOLHAPUR.

Estd. 1962

NAAC 'A' Grade

Faculty of Commerce and Management

Syllabus For

B. Com. Part – III (Sem V & VI) (CBCS)

(To be implemented from June 2020 onwards)

(Subject to the modifications that will be made from time to time)

Shivaji University, Kolhapur

B.Com (CBCS Pattern) Part – III (Semester-V)

Modern Management Practice- Paper-I

Core Course

Introduced From June- 2020

Credit - 4

Objectives:

1. To impart knowledge of modern management
2. To understand concepts of CRM
3. To know the concepts of emotional and social intelligence
4. To understand the concept of lean and talent management

Unit-I	**Contribution to Modern Management Practice** a. Concept of Modern Management b. Contribution of Vijay Govindarajan: Three Box Solution and Reverse Innovation c. Contribution of C.K. Pralhad : The Fortune at the Bottom of the Pyramid. d. Michael Porter : competitive advantage.	15 periods
Unit-II	**Emotional and Social Intelligence in Management** a. Emotional Intelligence: Concept, Components, Importance of emotional intelligence in leadership, Advantages and Disadvantages of emotional intelligence, emotional intelligence skills b. Social intelligence: Concept, Importance, Advantages and Disadvantages of social intelligence, Models of emotional and social intelligence:	15 periods
Unit-III	**Customer Relationship Management (CRM) and Supply Chain Management (SCM)** a. Customer Relationship Management (CRM) : Concept, Importance, Elements, Process, e-CRM b. Supply Chain Management (SCM): Concept, Importance, Components, Process, Benefits of SCM	15 periods
Unit-IV	**Lean Management and Talent Management** a. Lean Management: Concept, Principles, Benefits and disadvantages**,** tools of lean Management, lean management best practices b. Talent Management: Concept, Importance, Process, Components, benefits	15 periods

Shivaji University, Kolhapur

B.Com (CBCS Pattern) Part – III (Semester-VI)

Modern Management Practice- Paper-II

Core Course

Introduced From June- 2020

Credit - 4

Objectives:

1. To impart knowledge of total quality management
2. To understand the Japanese and Chinese Management Practices
3. To know the concept of Event and Performance Management
4. To understand the concept of time and stress management

Unit-I	**Total Quality Management (TQM) and Quality Standards** a. Total Quality Management (TQM) : Concept, Principles, Elements of TQM, Benefits and Disadvantages of TQM b. Quality Standards: Benchmarking(concept and types) Six Sigma,(concept and levels) ISO: 9000, (Importance and elements)	15 periods
Unit-II	**Japanese and Chinese Management Practice** a. Japanese Management: Concept, Characteristics and 8 Key Japanese Quality Management techniques b. Chinese management: Concept, Characteristics, Chinese Leadership Style, Difference between Chinese and Western Management	15 periods
Unit-III	**Event and Performance Management** a. Event Management: Concept, Importance, Procedure, Types of events, benefits of event Management b. Performance Management : Concept, Evolution, Need, Process of Performance Management	15 periods
Unit-IV	**Time and Stress Management** a. Time Management: Concept, Importance, Techniques b. Stress Management: Meaning of Stress, Causes, Effects, Techniques of stress management	15 periods

B.Com III (Semester- V) Under CBCS

Paper I : CC-C3 : Business Regulatory Framework

Credit –I	**Law of Contract- 1872**	Hours
	Definition of Business Law and its sources Definition of contract, Essential element and Kinds of Contract Offer and Acceptance, Capacity of Parties, Consideration, Free Consent and Legality of objectives, Void Contracts Discharge of Contract, Remedies for breach of contract	15 Hrs
Credit-II	**Labour Laws**	15 Hrs
	A) Employees Provident Fund Act- 1952- Meaning and its applicability criteria, Rates of Contribution , Periodicity of Payment and Return, Mandatory Records, Consequences of Non compliances	5 Hrs
	B) Employees State Insurance Act-1948- Meaning and its applicability criteria, Rates of Contribution , Periodicity of Payment and Return, Mandatory Records, Consequences of Non compliances	5 Hrs
	C) Payment of Gratuity (Amendment)Act-2018- Meaning and its applicability criteria, Rates of Contribution , Payment calculation, Mandatory Records, Consequences of Non compliances	5 Hrs
Credit-III	**Sale of Goods Act,1932 and Goods and Services Tax(GST)**	15 Hrs
	A) Sale of Goods Act- Contract of Sale of goods concept and essentials, Sale and Agreement to sell, Conditions and Warranties, Performance of Contract of Sale	10 Hrs
	B) Goods and Services Tax- Basic framework of GST, Applicability criteria, General understandings of legal provisions regarding invoices, GST Returns , Consequences of Non compliances	5 Hrs
Credit- IV	**Indian Partnership Act-1932 and Limited Liability Partnership Act-2008**	15 Hrs
	A) Indian Partnership Act-1932- Partnership Deed meaning and general terms and conditions, Role and Responsibilities of Partners.	5 Hrs
	B) Limited Liability Partnership Act- 2008- Nature and Silent features of LLP, Incorporation of LLP, Limitations of liability of LLP and Partners, Difference between Partnership and LLP.	10 Hrs

Reference-

1) Business Law- Kavita Krishnamurthi
2) Essentials of Business and Industrial Laws- B.S. Moshal
3) Business Law- M.C. Kuchhal
4) Elements of Mercantile Law- N.D. Kapoor
5) Mercantile Law- Arun Kumar
6) Mercantile Law- S.S.Gulshan
7) The Principles of Mercantile Law- Avtarsingh
8) Commercial and Industrial Law-A.K. Sen and J.K. Mitra
9) Textbook on Indian Partnership Act with Limited Liability Partnership Act- by Madhusudan Saharay
10) GST – Law and Procedure by Anananday Mishra – Taxman

B.Com III (Semester- VI) Under CBCS

Paper II : CC-C4 : Business Regulatory Framework

Credit- I	**Company Act- 2013** Meaning, Features and Types of Company, Process of Incorporation of Company, Role, Responsibilities and Powers of Directors, Auditors and Company Secretary. Rights of Share holders, Company meetings and Resolutions Winding up of Company	**15 Hrs**
Credit-II	**Security Exchange Board of India Act-1992, Consumer Protection Act-1986 and Competition Act-2002**	**15 Hrs**
	A) Security Exchange Board of India Act-1992(SEBI)- Role , Powers and Functions of SEBI, Listing and Trading of Securities	**5 Hrs**
	B) Consumer Protection Act-1986- Definitions- Consumer, Complaint, Complainant, Unfair Trade Practices, Restrictive Trade Practices, Rights of Consumer, Consumer Redressal Agencies- Composition and Jurisdiction.	**5 Hrs**
	C) Competition Act-2002- Objectives, Powers and duties of Competition Commission	**5 Hrs**
Credit-III	**Business Transactions and Cyber Laws**	**15 Hrs**
	a) E-commerce: Nature, formation, legality and recognition b) Intellectual Property Rights: Patent, Copy Right, Trademark and Industrial Design (only concepts) c) Digital Signature: Need, formation, functions, Digital Significance Certificate and Revocation of Digital Signature d) Cyber crimes and offences e) Penalties for cyber crimes	
Credit-IV	**Negotiable Instrument (Amendment) Act-2015**	**15 Hrs**
	Meaning and Features of Negotiable instrument, Kinds of Negotiable instrument, Promissory Note, Bill of Exchange and Cheque, Crossing of Cheque and Its kinds- Dishonour of Negotiable instrument and its consequences and Remedies thereon	

Reference Books:

1) Business Law- M.C. Kuchhal
2) Business Law- KavitaKrishanmurthi
3) Cyber Laws- Dr. Farooq Ahmed
4) Elements of Company Law- V.S. Datey
5) The Consumer Protection Act- ArshadSubzawari
6) The Consumer Protection Act- C.M. Dhopare
7) Cyber Laws- Krishna Kumar
8) Consumer Protection Act- Niraj Kumar
9) SEBI Act- Agarwal and Baby- Taxman
10) Competition Act- Dr.Rattan- Bharat Publication

Concerned Bare Act should be referred

Nature of Question Paper

Total Marks-40

Instructions – 1) All questions carry equal marks.

2) Attempt any FIVE Questions out of seven

Q.1	Short Notes (Any Two)	4 Marks Each
Q.2	Long Answers	8 Marks
Q.3	Long Answers	8 Marks
Q.4	Long Answers	8 Marks
Q.5	Long Answers	8 Marks
Q.6	Long Answers	8 Marks
Q.7	Short Answers (Any Two)	4 Marks Each

B.Com. Part-III; SEM-V - Under CBCS

Paper-I : CC-C5 : Cooperative Development

Course Outcomes:

1. To study the meaning and principles of Co-operation.
2. To study the agricultural and Non-agricultural Credit Co-operative institutions.
3. To study the Co-operative credit system
4. To Study the important cooperative organizations

Expected Skills Impartation

1. Ability to explain cooperatives principles
2. Ability to applications of cooperative principles
3. Interpretation and comparison of different cooperative organizations

Marks : 40	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**Introduction to Co-operative movement in India** 1.1. Meaning, definition and features of Co-operation. 1.2. Principles of Co-operation - ICA and Manchester Principles 1.3. Role of Co-operation in economic development. 1.4. Review of Committees on Cooperative Development since 1991 (Vaidhyanathan Committee, Shivajirao Patil Committee and Kuraian and Alagh Committee)	15 Periods
Unit-2:	**Agricultural Co-operatives in India** 2.1. Co-operative Marketing- Types, functions, problems and remedies 2.2. NAFED- Objectives, Management, Functions and Progress 2.3. Co-operative Farming - Types, problems and remedies 2.4. Role of Dairy Cooperatives - National Dairy Development Board.	15 Periods
Unit-3:	**Co-operative Banking & Credit Societies in India** 3.1. Review of Co-operative credit movement - Three Tier and Two Tier Structure 3.2. Primary Agricultural Cooperative Societies -Functions, Problems and Remedies 3.3. DCC Banks - Administrative Structure, Progress, Problems and Remedies 3.4. State Cooperative Banks - Administrative Structure, Progress, Problems and Remedies	15 Periods
Unit-4:	**Important Cooperative Organizations in India** 4.1. Urban Cooperative Banks - Types, Management, Progress and Problems 4.2. Non-Agriculture Credit Cooperatives - Functions and Problems 4.3. Consumer Cooperatives - Types, Role and Problems 4.4. Sugar Co-operatives - Role, Progress, problems and remedies	15 Periods

References :

1. Dwivedi Ramesh Chandra, (2005), 'Hundred Years of Cooperative Movement in India'-Centre for Promotion of Cooperativism
2. Garg M. C. And Joshi N. N., (2009), 'Cooperative Credit And Banking –Strategies For Development', Deep And Deep Publication, New Dehli-110027
3. Hajela T.N., (1994) Cooperation: Principles, Problems and Practice, Konark Publishers, New Delhi.
4. Krishnaswamy O.R. and Kulandhiswamy V., (2000) Cooperation: Concept and Theory, Arudra Academy,
5. Kulkarni P. R. (2007) Laws of Co-operative Banking', Macmillan Publisher India Ltd. pp. 24-25 (2007)
6. Maharashtra Rajya Sahakari Dudh Mahasangh Maryadit http://www.mahanand.in/
7. NAFED http://www.nafed-india.com
8. Nakkiran S (2006) Cooperative Management : Principles and Techniques, Deep and Deep, New Delhi, 2006
9. National Dairy Development Board- https://www.nddb.coop/
10. Review of Co-operative Movement in India's Agricultural Credit Department, RBI. pp. 59-60, (1955)
11. Strickland C.F., (2010) 'An Introduction To Cooperation In India' Humphery Milford Oxford University Press.
12. The Maharashtra Co-operative Quarterly, The Maharashtra Rajya Shahakar Sanghah

B.Com. Part-III; SEM-VI - Under CBCS

Paper-II : CC-C6 : Cooperative Development

Course Outcomes:

1. To study the cooperative legislations and fund management
2. To understand the institutional arrangement for cooperative education and training
3. To understand the nature, registration, legislation and audit of housing cooperatives
4. To understand the cooperative audit system and provisions

Expected Skills Impartation

1. Legal understanding and interpretation skills
2. Ability to explain legal and technical provisions about cooperatives

Marks : 40	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**Cooperative Laws and Legislation In India** 1.1. Important Provisions under Maharashtra Co-operative Societies Act, 1960 1.2. Salient Features of Multi-State Co-operative Societies Act 2002 1.3. Liquidation Process- Appointment, Rights and Duties of Liquidator 1.4. Legal Provisions regarding Assets and Fund Management of Cooperatives - (Classification of Funds, Profit, Reserve Fund, Dividend, Expenses on social Activities, Investment of Funds etc)	15 Periods
Unit-2:	**Cooperative Education and Training In India** 2.1. Need and Importance of Cooperative Education and Training 2.2. National Council for Cooperative Training- Organizational Structure & Functions 2.3. VAMNICOM -Objectives, Centers, Training Programmes 2.4. Career Opportunities in Cooperative Sector - GDC&A Certification	15 Periods
Unit-3:	**Cooperative Housing Societies In India** 3.1. Meaning, Types and Registration Process of Housing Cooperatives 3.2. Maharashtra Co-operative Housing Society Model Bye Laws 3.3. Importance and Problems of Housing Societies 3.4. Audit of Co-operative Housing Societies- Nature and Elements	15 Periods
Unit-4:	**Cooperative Registrar & Audit In India** 4.1. Powers and responsibilities of registrar 4.2. Cooperative Audit - Concept, Scope, Types of Audits 4.3. Internal Audit-Nature- Duties of Internal Auditor 4.4. Responsibilities and powers of cooperative auditor	15 Periods

References :

1. Hajela T.N., (1994) Cooperation: Principles, Problems and Practice, Konark Publishers, New Delhi.
2. Indian Institute of Banking And Finance, (First Pub. 2007), 'Law of Cooperative Banking', Macmillan India Ltd. New Delhi
3. Kulkarni P. R. (2007) Laws of Co-operative Banking', Macmillan Publisher India Ltd. pp. 24-25 (2007)
4. Maharashtra Rajya Sahakari Dudh Mahasangh Maryadit http://www.mahanand.in/
5. Review of Co-operative Movement in India's Agricultural Credit Department, RBI. pp. 59-60, (1955)
6. Maharashtra Co-operative Societies Act, 1960
7. Maharashtra Co-operative Societies Act, 1960 by G. M.Divekar (Vol-I and II)
8. National Cooperative Development Corporation (NCDC) - http://www.ncdc.in
9. National Cooperative Housing Federation of India- https://www.nchfindia.net/
10. National Federation of State Cooperative Banks Ltd -http://nafscob.org/about_f.htm
11. National Cooperative Consumers` Federation Of India Limited- http://nccf-india.com/
12. National Council for Cooperative Training- http://ncct.ac.in
13. Dhananjayrao Gadgil Institute of Cooperative Management -http://www.dgicmnagpur.com

EQUIVALENCE OF THE PAPERS / COURSES

Sr	Existing title of the Paper	Revised Title of the paper
1	Co-operative Development Paper – I	Co-operative Development Paper – I
2	Co-operative Development Paper – II	Co-operative Development Paper – II

Nature of question paper for B.Com -III Co-operative Development

Semester V & VI (Paper No. I to II)

Attempt any five questions.

Total marks 40

Q1. Write short answers (any two out of three)	08
Q2. Broad question	08
Q3. Broad question	08
Q4. Broad question	08
Q5. Broad question	08
Q6. Broad question	08
Q7. Write short notes (any two out of three)	08

B.Com Part III Semester – V (CBCS)

Paper I : CC-C7 : Business Environment

(Indian Economic Environment)
(Compulsory Paper)
Credits : 4

COURSE OUTCOMES:

1 Student should able to understand the significance and position of Indian economy at the world level.

2 Students should study the scenario of agricultural and industrial sectors.

3 Student should aware regarding Indian economy is facing some of the fundamental economic problems. They should able to make plans and solutions to these being as a citizen.

4 Student should understand the correlations between economical and social problems.

Unit No.	Unit Name	Periods
1	**Business Environment** 1.1 Concept 1.2 Components 1.3 Importance 1.4 Business environment and sustainable development	15
2	**Agricultural Development** 2.1Present status of Indian Agriculture and Agricultural crisis 2.2 Agricultural Marketing-Problems, Agricultural price policy 2.3 Food security in India 2.4 National Commission on farmers- Agricultural Renewal Action Plan	15
3	**Industrial Development** 3.1 Industrial policy -1991 3.2 Concepts of Micro, Small and Medium Enterprises (MSMEs) 3.3 Progress of industrial sector in globalization era 3.4 Trade union movement – Problems and measures.	15
4	**Problems of Indian Economy** 4.1 Features of Indian population 4.2 Unemployment and poverty – causes and remedies 4.3 Inequality of Income and wealth, Black Money - Causes and remedies 4.4 Problems of rural and urban economy	15

References –

1. Mead R. (2004) International Management: Cross Cultural Dimensions,3rd ed. New York Wily
2. Vyuptakesh Sharan, (2004) International Business: Concept, Environment and Strategy, Pearson education, Singapore
3. Yarbraugh B V (2005) The World Economy: Trade and Finance, 7th Ed Thomas south western USA
4. Manab Adhikari,Global (2006) Business Management(An International economic environment), Macmillan India Ltd
5. Hill C.W. L. and jain A. K.(2007) International Business Competing in Global market Place, McGraw Hill New Delhi
6. Graham John L, Salwan Prashant, Cateora Philip R, (2008)International Marketing 13th Ed. Tata McGraw- Hill,
7. Jeevnandam C. International Business S.Chand New Delhi 2008
8. Paul Justein International Business, 5th Ed (2011)Prentice Hall of India,Pvt Ltd new Delhi
9. Keegan Warren J. and Green Mark C. Global Marketing,4th Ed.(2009) Prentice Hall India,Pvt Ltd
10. Bhalla V. K. and Ramu S.S.(2009)International Business Environment, Anmol Prakashan New Delhi
11. Varshney R.L. and Bhatacharya B, (2012)International Marketing Management -An Indian Perspective, 24th Ed S.Chand New Delhi.

12. Dutt and Sundaram K P M, Indian Economy S. Chand Delhi
13.Dutt Ruddar Economic Reforms in India –A Critique, S Chand , New Delhi.
14.Mishara S K and PuriV K - Indian Economy, Himalaya Publishing House
15. Namboodripad E M S, Indian Planning and Crises, National book Center New Delhi.
16.Sundaram and Black The International Business Environment Prentices New Delhi

Equivalence of the paper

Existing Title of the Paper	Revised Title of the Paper
Business Environment Paper I	Business Environment Paper I

B.Com Part III Semester - VI– (CBCS)

Paper II : CC-C8 : Business Environment

(Indian Economic Environment)

(Compulsory Paper)

Credits : 4

COURSE OUTCOMES:

1. Students will understand the Indian and global economic environment.

2. Students will equip with proper knowledge of Indian economic planning.

3. Students will enable with the knowledge of the plans and strategies toward foreign capital and multinational corporations.

4. Students will get acquainted with the functions, mechanism and performance of international financial, trade and regional cooperation institutions.

Unit No.	Unit Name	Periods
1	**Liberalization, Privatization and Globalization** 1.1 Concepts 1.2 Implementation and impact on Indian Economy. 1.3 Composition and direction of foreign trade in the Globalization era 1.4 Balance of payments crisis	15
2	**Economic Planning and Service Sector** 2.1 Economic planning – Broad objectives 2.2 NITI Aayog – Structure and functions 2.3 Planning process through NITI Aayog 2.4 Service Sector – Importance and progress of service sector in Indian economy.	15
3	**Foreign Capital and Multinational Corporations** 3.1 Need of foreign capital in India, 3.2 Policy of Government of India. 3.3 Multinational corporations- Definition, merits and demerits. 3.4 Exchange rates and Indian Rupee	15
4	**International Institutions** (Objectives and performance) 4.1 IMF 4.2 IBRD 4.3 WTO 3.3 SAARC	15

References

1. Mead R. (2004) International Management: Cross Cultural Dimensions, 3rd ed. New York Wily
2. Vyuptakesh Sharan, (2004) International Business: Concept, Environment and Strategy, Pearson education, Singapore
3. Yarbraugh B V (2005) The World Economy: Trade and Finance, 7th Ed Thomas south western USA
4. Manab Adhikari,Global (2006) Business Management(An International economic environment), Macmillan India Ltd
5. Hill C.W. L. and Jain A. K.(2007) International Business Competing in Global market Place, McGraw Hill, New Delhi
6. Graham John L, Salwan Prashant, Cateora Philip R, (2008)International Marketing 13th Ed. Tata McGraw- Hill.
7. Jeevnandam C. International Business S.Chand, New Delhi 2008
8. Paul Justein International Business, 5th Ed (2011)Prentice Hall of India, Pvt Ltd new Delhi

9. Keegan Warren J. and Green Mark C. Global Marketing, 4th Ed.(2009) Prentice Hall India, Pvt. Ltd.
10. Bhalla V. K. and Ramu S.S.(2009) International Business Environment, Anmol Prakashan, New Delhi.
11. Varshney R.L. and Bhatacharya B, (2012) International Marketing Management -An Indian Perspective, 24th Ed S. Chand, New Delhi.
12. Dutt and Sundaram K P M, Indian Economy, S. Chand, New Delhi.
13. Dutt Ruddar, Economic Reforms in India –A Critique, S Chand , New Delhi.
14. Mishara S K and Puri V K - Indian Economy, Himalaya Publishing House.
15. Namboodripad E M S, Indian Planning and Crises, National Book Center, New Delhi.
16. Sundaram and Black The International Business Environment, Prentices, New Delhi

Equivalence of the papers

Existing Title of the Paper	Revised Title of the Paper
Business Environment Paper II	Business Environment Paper II

Nature of question paper for B.Com - III
Semester V and VI (Paper No. I to II)

Attempt any five questions.
Total Marks 40

Q1. Write short answers (any two out of three)	08
Q2. Broad question	08
Q3. Broad question	08
Q4. Broad question	08
Q5. Broad question	08
Q6. Broad question	08
Q7. Write short notes (any two out of three)	08

B.Com (CBCS) Part-III (Semester-V)
Paper – I : DSE-A1 : Advanced Accountancy
Discipline Specific Course

4 Credits

Course Outcomes:

1. Practice the preparation of financial statements of banks.
2. Demonstrate accounting for farms and hire purchase system.
3. Simulate accounting situations of insurance claim.
4. Explain the accounting process on Tally with GST.

Syllabus Content

Unit- I	Bank Final Accounts (Vertical Format Only)	20 Lectures
Unit- II	a) Farm Accounting	10 Lectures
	b) Hire purchase system-Excluding Hire purchase Trading Account	10 Lectures
Unit- III	Insurance Claim- Loss of stock and Loss of profit policy	10 Lectures
Unit- IV	GST Accounting with practical's using Tally part – I	10 Lectures

Theory

Introduction to GST on Goods, Introduction, Indirect Taxation prior GST, GST Implementation in India, Why GST was introduced in India? Understanding GST Taxation System, Dual GST, Structure of GST, Determination of Tax, Registration, GSTIN Structure, Businesses Liable to Register under GST, Tax Invoice, Bill of Supply, Supplementary Invoice, Input Tax Credit Set Off, GST Returns, Payment of Tax.

Practical:

a) Getting Started with GST (GOODS) in Tally ERP 9, Basic Concepts in GST, Configuring GST in TalIy. ERP 9, Company Setup, Enabling Goods & Services Tax (GST),
b) GST Classifications, Creating Masters, Creating Purchase Ledger, Creating Sales Ledger, Creating GST Ledger, Creating Party Ledger, Creating Stock Items
c) Entering Transactions, Creating Purchase Invoice with GST, Creating Sales Invoice with GST, Printing Sales invoice
d) GST Reports, GST Tax Payment

Reference Books:

1) Gupta, S. C.; Gupta, M. P.; Shukla, M. C.; Agrawal, B. M. and Grewal, T. S. (2019). Advanced Corporate Accounting, S. Chand & Company, New Delhi.
2) Shukla, M. C.; Grewal, T. S. and Gupta, S. C.; (2016). Advanced Accounts, S. Chand & Company, New Delhi.
3) Arulnandan, M. A. and Raman, K. S. (2018). Advanced Accountancy (Corporate Accounting) Vol. II, Himalaya Publishing House, Mumbai.
4) Gupta, R. L. and Radhaswamy, M. (2018). Advanced Accountancy Vol. II, Sultan Chand and Sons; New Delhi.
5) Maheshwari, S. N.; Maheshwari, Suneel and Maheshwari, Sharad K. (2018). Corporate Accounting. Vikas Publication House, New Delhi.

6) Jain, S. P.; Narang, K. L.; Agrawal, Simmi and Sehgal, Monik (2018). Advanced Accountancy Vol. I & II, Kalyani Publishers, New Delhi.
7) Hanif, M. and Mukharjee, A (2018). Modern Accountancy Vol. II, McGraw Hill Education India (Private) Ltd., Noida.
8) Chakraborty, Hrishikesh, Advanced Accountancy, Oxford University Press
9) Chougule, Rajan (2011). Computerized Accounting, Kolhapur.

Journals:

1) Indian Journal of Accounting
2) Chartered Accountant
3) Management Accountant

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-V)
Advanced Accountancy Paper-I
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Problem on Bank Final Accounts (This problem should be on Profit & Loss Account, Balance Sheet alongwith required schedules)		16 Marks
Question 2	Attempt any two questions (out of three): (These questions will be practical problems on Unit-II & III)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

Notes:
1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-I.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

B.Com (CBCS) Part-III (Semester-V)
Paper – II : DSE-A2 : Advanced Accountancy (Auditing)
Discipline Specific Course

4 Credits

Course Outcomes:

1. To understand the concept and types of audit
2. To identify the residential status and its implication on tax liability
3. To understand the concept of exemption from income
4. To know the computation of income from various sources as well as total income

Syllabus Content

Unit- I **Nature and Scope of Audit:** 15 Lectures

Audit – Meaning and Nature, Scope of Audit, Objectives of Audit, Relationship of Audit with other disciplines, Difference between Audit and Investigation, Basic Principles Governing Audit, Statutory Audit, Internal Audit, Cost Audit, Tax Audit, Management Audit, Concept of Vouching, Verification and Valuation.

Unit- II **Audit of Specific Items in Financial Statements:** 15 Lectures

A) Audit of sale of Products and Services; Audit of Interest Income, Rental Income, Dividend Income, Net gain/loss on sale of Investments; Audit of Purchases, Depreciation, Interest expense, Rent, Repair to building, Repair to Machinery, Insurance, Taxes, Travelling Expenses, Miscellaneous Expenses

B) Audit of Share Capital, Reserve & Surplus, Long Term Borrowings, Trade Payables (creditors), Provisions, Short Term Borrowings and Other Current Liabilities, Audit of Land, Buildings, Plant and Equipment, Furniture and Fixtures, Goodwill, Brand/Trademarks, Computer Software, Audit of Loans and Advances, Trade Receivables, Inventories, Cash and Cash Equivalents, Other Current Assets, Audit of Contingent Liabilities.

Unit- III **Company Audit:** 15 Lectures

Eligibility, Qualifications and Disqualifications of Auditors; Appointment of auditors; Removal of auditors; Remuneration of Auditors; Powers and duties of auditors; Branch audit; Joint audit; Reporting requirements under the Companies Act, 2013 including CARO.

Unit- IV **Special Audit and Audit Report:** 15 Lectures

Audit of special entities like Bank, Insurance Companies, Charitable Trust, Hotel and Hospital, Elements of Audit Report; Types of Reports – Clean, Qualified, Adverse, Disclaimer of Opinion;

Reference Books:

1) Tandon B.N., : Practial Auditing, S.Chand, New Delhi
2) Kumar, A., Sharma, R.; : Auditing Theory and Practice, Atlantic Publishers, New Delhi
3) Johnson S., Wiley L. : : Auditing – A Practical Approach, Wiley Publishing House
4) Garg Pankaj : Auditing and Assurance, Taxmann Publications, New Delhi
5) Bansal, Surabhi : Auditing and Assurance, Wolters Kluwel Publicattion
6) Sekhar G, Prasath B. : Auditing and Assurance, Taxmann, New Delhi
7) Dinkar Pagare :
8) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final for Auditing

Nature of Question Paper
B.Com (CBCS) Part-III (Semester-V)
Advanced Accountancy Paper-II
(Auditing)
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
Question 1	Long Answer Questions A) 8 Marks B) 8 Marks		16 Marks
Question 2	Attempt Any Two (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-VI)
Paper- III : DSE-A3 : Advanced Accountancy
Discipline Specific Course

4 Credits

Course Outcomes:

1. Practice the preparation of financial statements of banks.
2. Demonstrate accounting for farms and hire purchase system.
3. Simulate accounting situations of insurance claim.
4. Explain the accounting process on Tally with GST.

Syllabus Content

Unit- I Elements of Cost - Material, Labour, & Overheads, Preparation of Cost Sheet, Quotation — 10 Lectures

Unit- II **Financial Statement Analysis:** — 20 Lectures

a) Financial Statement Analysis- Meaning, types, Limitations of financial statements, Meaning and Need of financial statement analysis and Techniques of financial statement analysis.

(b) Ratio Analysis– Meaning, Advantages and Limitations, Classification of Ratios- Profitability Ratios, Turnover Ratios, Solvency Ratios and Liquidity Ratios.

Unit- III **Cash Flow Analysis:** — 15 Lectures

Meaning of Cash Flow Analysis, Classification of Cash flows- Cash flow from Operating Activities, Cash flow from Investing Activities and Cash flow from Financing Activities, Cash and Cash equivalents, Extra-ordinary items, Preparation of Cash Flow Statement (As per AS-3)

Unit- IV GST Accounting with practicals using Tally part - II — 15 Lectures

Theory:

4. Introduction to GST on Services, Existing Registration, Supply of Goods and Services, Scope of Supply, Place of Supply, Time of Supply, Value of Supply ,Mixed Supply and Composition Supply, Accounting for

Return of Goods, Sales Returns, Purchase Returns, Credit Note, Debit Note, GST on Services, GST Reports & GST Returns

Practical:

a) Getting Started with GST in Tally ERP 9, Basic Concepts in GST, Configuring GST in Tally.ERP 9, Company Setup, Enabling Goods & Services Tax (GST), GST Classifications
b) Creating Masters, Creating Purchase Ledger, Creating Sales Ledger, Creating GST Ledger, Creating Party Ledger, Creating Stock Items
c) Entering Transactions, Creating Purchase Invoice with GST, Creating Sales Invoice with GST, Printing Sales invoice, Accounting for Return of Goods, Sales Returns, Purchase Returns
d) Accounting for GST on Services
e) GST Reports, Generating GSTR-1 Report in Tally.ERP 9, Generating GSTR-2 Report in Tally.ERP 9, GST Tax Payment, Time line for payment of GST tax, Modes of Payment, Challan Reconciliation, Exporting returns and uploading To GSTIN

Notes:

1) Practical problems in the university examinations will be asked on Unit-I, II & III (however, problems on Unit-II shall be asked on Ratio Analysis only).
2) College should make a provision of necessary computers and accounting software for commerce department to train the students in Tally with GST as prescribed in the syllabus.
3) A visit should be arranged for increasing awareness of students regarding Tally with GSTeither in any business unit, Company Office or the Office of any Chartered Accountant/ Professional Accountant.

Reference Books:

1) Advanced Cost Accounting - N K Prasad
2) Cost Accounting - Jain & Narang
3) Cost Accounting – Ravi M Kishore Taxman
4) Principles of Management Accounting - Manmohan Goyal
5) Management Accounting - I. M. Pandey
6) Cost & Management Accounting - Jain & Narang
7) Advanced Accountancy - R. R. Gupta
8) Cost and Management Accounting M N Arora Vikas Publication
9) Cost and Management Accounting T Thukaram Rao
10) Fundamentals of Management Accounting- I M Pandey
11) Cost and Management Accounting- Horngreen and Datar and others

Journals:

4) Indian Journal of Accounting
5) Chartered Accountant
6) Management Accountant

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-VI)
Advanced Accountancy Paper-III
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Problem		16 Marks
Question 2	Attempt any one problem (out of two)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

Notes:

1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-III.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

B.Com (CBCS) Part-III (Semester-VI)
Paper – IV : DSE-A4 : Advanced Accountancy (Taxation)
Discipline Specific Course

4 Credits

Course Outcomes:

1. To understand the basic concepts of income tax and basis of charge
2. To identify the residential status and its implication on tax liability
3. To understand the manner of computation of total income
4. To know the basic concepts about GST

Unit- I **Basic Concepts:** 15 Lectures

A) Meaning of Income Tax, Basis of Charge, Rates of Tax, Concepts of Previous Year, Assessment Year, Person, Income, Assessee.
B) Residential Status and Taxability - Meaning of Residential Status, Provisions for determination of Residential status and tax liability in respect of individual and HUF, Determination of Residential Status of Firms and Companies.

Unit- II **Exemptions and Deductions from total income** (in respect of individual only) 10 Lectures

Unit- III **Heads of Income, Computation of total income and tax liability:** 25 Lectures

Income from Salary, Income from House Property, Income from Business/Profession, Income from Capital Gain, Income from Other Sources, Computation of Gross Total Income and Tax Liability in respect of Individuals only.

Unit- IV **Basics of GST:** 10 Lectures

Meaning and Features of GST, Benefits of GST, Need of GST, Constitutional Provisions of GST, Levy and Collection of GST, Introduction to CGST, SGST, IGST, UTGST.

Reference Books:

1) Singhania, V.K. : Students' Guide to Income Tax, Taxmann Publication, New Delhi
2) Manoharan, T.N. : Direct Taxes : Snow White Publications, New Delhi
3) Singhania, Monica : Students' Guide to Income Tax and GST, Taxmann, New Delhi
4) Sury, M.M. : Goods and Services Tax in India,
5) Agarwal, CA VK : GST Guide for Students, Neelam Book House, Delhi
6) Datey, V.S. : GST Ready Reckoner, Taxmann, New Delhi
7) Thakkar, Vishal : GST for the Layman, TV18Broadcast Ltd.,

8) Kadkol M.B., Income Tax : Law and Practice,
9) Mehta : Income Tax Ready Reckoner
10) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final for Taxation

Nature of Question Paper
B.Com (CBCS) Part-III (Semester-VI)
Advanced Accountancy Paper-IV
(Taxation)
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
Question 1	Practical Problem (Computation of Taxable Income and Tax Liability)		16 Marks
Question 2	Practical Problems -Attempt Any Two (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-V)
Paper - I : DSE-C1 : Advanced Costing
Discipline Specific Course

4 Credits

Course Outcomes:
1) To understand the basic concepts of cost accounting.
2) To classify the cost and apply the same for cost determination.
3) To understand the cost accounting procedure in respect of materials.
4) To know the application of cost accounting in determination of labour cost.

Syllabus Content

Unit- I **Basics of Cost Accounting:** 10 Lectures
Meaning:- Concepts of Cost, Costing, Cost Accounting, Cost Accountancy; Nature, Scope, objectives and importance of Cost Accounting; Difference between Cost Accounting, Financial Accounting and Management Accounting.

Unit- II **Elements of Cost:** 15 Lectures
Elements of Cost- Concepts of Material Cost, Labour Cost and Overheads; Classification of Cost, Cost Centre and Cost Unit, Cost Sheet, Tender and Quotation, Preparation of Cost Sheet.

Unit- III **Material Cost:** 15 Lectures
Storage of Material, Objectives of Store Keeping, Fixation of Stock Levels and Economic Order Quantity; Pricing of Issue of Material – FIFO, LIFO, Simple Average Method, Weighted Average Method.

Unit- IV **Labour Cost:** 20 Lectures
Labour Cost- Meaning and Importance, Time Keeping and Time Booking, Methods of Remuneration and incentives, Sound Wage policy (Characteristics and Factors considered for wage determination), Time Rate System, Piece Rate system, Taylor's Differential Piece Rate and Merrick's Differential / Multiple Piece Rate system, Halsey Plan and Rowan Plan.

Reference Books:
1) Practical Problems in Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi

2) Cost Accounting Methods and Problems – B. K. Bhar, Academic publishers Kolkatta
3) Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
4) Principles and Practices of Costing - Lal and Nigam, Himalaya publishing house.
5) Cost Accounting - Lal and Nigam, Himalaya publishing house
6) Cost Management : Ravi M Kishore, Taxmann Publications

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-V)
Advanced Costing Paper-I
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problems A) 8 Marks } B) 8 Marks }		16 Marks
Question 2	Attempt Any Two Practical Problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-V)
Paper - II : DSE-E2 : Advanced Costing
Discipline Specific Course

4 Credits

Course Outcome:

1) To identify the meaning of overheads and its classification
2) To understand different methods of absorption of overheads.
3) To find out the reasons for difference between profit as per cost and financial accounts.
4) To understand meaning of activity based costing and its practical application.

Syllabus Content

Unit- I **Overheads:** 15 Lectures
Meaning, Classification of Overheads, Concepts of Allocation, Absorption, Apportionment and Reapportionment of overheads.

Unit- II **Absorption of Overheads:** 15 Lectures
Meaning, Methods of Absorption: - Production Unit Method, Percentage on Direct Material Cost, Percentage on Direct Wages, Percentage of Prime Cost, Direct Labour Hour Method, Machine Hour Rate, Apportionment and Reapportionment of Overheads.

Unit- III **Reconciliation of Cost And Financial Accounts:** 15 Lectures
Need for Reconciliation of Cost and Financial Accounts. Preparation of Statement of Reconciliation of Cost and Financial Accounts.

Unit- IV **Activity Based Costing:** 15 Lectures
Meaning, Objectives, Advantages and Limitations of Activity Based Costing, Cost Drivers, Preparation of Statement of Cost as per Activity Based Costing.

Reference Books:

1) Practical Problems in Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
2) Cost Accounting Methods and Problems – B. K. Bhar, Academic publishers Kolkatta
3) Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
4) Principles and Practices of Costing - Lal and Nigam, Himalaya publishing house.
5) Cost Accounting - Lal and Nigam, Himalaya publishing house
6) Cost Management : Ravi M Kishore, Taxmann Publications

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-V)
Advanced Costing Paper-II
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problems C) 8 Marks } D) 8 Marks }		16 Marks
Question 2	Attempt Any Two Practical Problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-VI)
Paper - III : DSE-C3 : Advanced Costing
(Methods of Cost Accounting)
Discipline Specific Course

4 Credits

Course Outcome:

1) To understand the concepts of job and unit costing.
2) To know the applications of process costing and joint product and by product accounting
3) To understand procedure of contract costing and its practical implementation
4) To identify meaning of service costing and its application.

Syllabus Content

Unit- I **Job Costing and Unit Costing:** 15 Lectures
Meaning, Features, Practical Applications of Job Costing and Unit Costing, Preparation of Job Cost Sheet.

Unit- II **Process Costing:** 15 Lectures
Process Costing: Meaning and its Applications, Concept of Equivalent Production, Preparation of Process Accounts, Concepts of Joint Products and By Products. (Note : Problems on Process Costing excluding Equivalent Production).

Unit- III **Contract Costing:** 15 Lectures
Contract Costing: Meaning, Features, Accounting Procedure, Retention money, Escalation Clause, Work in Progress, Cost Plus Contract. Preparation of Contract Account.

Unit- IV **Operation/ Service Costing:** 15 Lectures
Service Costing : Meaning and Definition, Application of Service Costing, Determination of Service Cost in Transport Industry

Reference Books:

1) Practical Problems in Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
2) Cost Accounting Methods and Problems – B. K. Bhar, Academic publishers Kolkatta
3) Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
4) Principles and Practices of Costing - Lal and Nigam, Himalaya publishing house.
5) Cost Accounting - Lal and Nigam, Himalaya publishing house
6) Cost Management : Ravi M Kishore, Taxmann Publications

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-VI)
Advanced Costing Paper-III
(Methods of Cost Accounting)
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problems E) 8 Marks } F) 8 Marks }		16 Marks
Question 2	Attempt Any Two Practical Problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-VI)
Paper – IV : DSE-C4 : Advanced Costing
(Costing Techniques)
Discipline Specific Course

4 Credits

Course Outcome:

1) To know the applications of marginal costing in decision making.
2) To understand the concept of standard costing and analysis of variances.
3) To know the concept and types of budgets and concept of budgetary control.
4) To understand prospects of cost accounting standards.

Syllabus Content

Unit- I **Marginal Costing:** 15 Lectures

Meaning and Importance of Marginal Costing, CVP Analysis, Profit – Volume Ratio, Break Even Point, Margin of Safety, Interpretation of BEP Analysis.

Unit- II **Standard Costing:** 15 Lectures

Standard Costing : Meaning, Objectives, Features; Types of Standards, Variance Analysis – Material Cost Variance, Labour Cost Variance and Overhead Variance and Interpretation of Variance Analysis.

Unit- III **Budget and Budgetary Control:** 20 Lectures

Meaning, Objectives, Types of Budgets; Preparation of Cash Budget, Fixed and Flexible Budget; Budgetary Control System- Features and Components.

Unit- IV **Cost Audit and Cost Accounting Standards:** 10 Lectures

Cost Audit : Meaning, Legal Requirement, Objectives; Setting Process, List and Applicability of Cost Accounting Standards

Reference Books:

7) Practical Problems in Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
8) Cost Accounting Methods and Problems – B. K. Bhar, Academic publishers Kolkatta
9) Cost Accounting- S. P.Jain and K. L Narang, Kalyani publishes New Delhi
10) Principles and Practices of Costing - Lal and Nigam, Himalaya publishing house.
11) Cost Accounting - Lal and Nigam, Himalaya publishing house
12) Cost Management : Ravi M Kishore, Taxmann Publications

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-VI)
Advanced Costing Paper-VI
(Costing Techniques)
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problems G) 8 Marks } H) 8 Marks }		16 Marks
Question 2	Attempt Any Two Practical Problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

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B.Com (CBCS) Part-III (Semester-V)
Paper – I : DSE-D1 : Taxation
Discipline Specific Course

4 Credits

Course Outcomes:

1. To understand the basic concepts of income tax and basis of charge
2. To identify the residential status and its implication on tax liability
3. To understand the concept of exemption from income
4. To know the computation of income from various sources as well as total income

Syllabus Content

Unit- I **Basic Concepts:** 10 Lectures
Introduction to Income Tax Law, Meaning of Previous Year, Assessment Year, Person, Income, Assessee, Basis of Charge, Rates of Tax.

Unit- II **Residential Status and Taxability:** 15 Lectures
Determination of Residential Status of Individual, HUF, Firm and Company; Taxable Income in respect of Resident Individual, Resident but Not Ordinarily Resident Individual, Non Resident Individual; Taxability of Resident as well as Non Resident Firms and Companies

Unit- III **Income Not Forming Part of Total Income (Exemptions):** 15 Lectures
Concept of Exemption, Specific Provisions of Exemption under section 10 – Profit Sharing from Partnership Firm, Agricultural Income, Leave Travel Concession, Gratuity, Leave Encashment, House Rent Allowance

Unit- IV **Heads of Income:** 10 Lectures
Features of Various Heads of Income – Salary, House Property, Capital Gain, Business/Profession, Other Sources, Determination of Taxable Income from Each of these Sources of Income, Computation of Total Income

Reference Books:

1) Singhania, V.K. : Students' Guide to Income Tax, Taxmann Publication, New Delhi
2) Manoharan, T.N. : Direct Taxes : Snow White Publications, New Delhi
3) Singhania, Monica : Students' Guide to Income Tax and GST, Taxmann, New Delhi
4) Sury, M.M. : Goods and Services Tax in India,
5) Agarwal, CA VK : GST Guide for Students, Neelam Book House, Delhi
6) Datey, V.S. : GST Ready Reckoner, Taxmann, New Delhi

7) Thakkar, Vishal : GST for the Layman, TV18Broadcast Ltd.,
8) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final-Taxation

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-V)
Taxation Paper-I
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problem A) 8 Marks B) 8 Marks		16 Marks
Question 2	Attempt Any Two Questions on theory or problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-V)
Paper – II : DSE-D2 : Taxation
Discipline Specific Course

4 Credits

Course Outcomes:

5) To know the meaning of clubbing of income
6) To understand the provisions of set off and carry forward of losses
7) To find out the deductions available from Gross Total Income
8) To understand meaning the manner of computation of tax liability

Syllabus Content

Unit- I **Clubbing of Income:** 10 Lectures
Meaning of Clubbing of Income, Transfer of Income without Transfer of Assets, Income Arising from Revocable Transfers, Provisions relating to Clubbing, Income arising to Spouse, Minor Child.

Unit- II **Carry Forward and Set-Off of Losses:** 10 Lectures
Concept of Carry Forward of Losses, Concept of Set-Off of Carried Forward Losses, Provisions relating to Set-Off and Carry Forward of Losses against various Heads of Income, Conditions for Carrying Forward of Losses.

Unit- III **Deductions from Gross Total Income:** 15 Lectures
Concept of Deduction, Difference between Exemption and Deduction, Deduction from Gross Total Income in respect of Payments, Specific Provisions about Deduction under Section 80 C, 80|D, 80 E and 80 G.

Unit- IV **Computation of Total Income and Tax Liability:** 25 Lectures
Determination of Gross Total Income considering various sources of Income, Computation of Taxable Income considering deductions, Computation of Tax Liability in case of Individual, H.U.F., Firm and Company Considering rates of tax.

Reference Books:

1) Singhania, V.K. : Students' Guide to Income Tax, Taxmann Publication, New Delhi
2) Manoharan, T.N. : Direct Taxes : Snow White Publications, New Delhi
3) Singhania, Monica : Students' Guide to Income Tax and GST, Taxmann, New Delhi
4) Sury, M.M. : Goods and Services Tax in India,
5) Agarwal, CA VK : GST Guide for Students, Neelam Book House, Delhi
6) Datey, V.S. : GST Ready Reckoner, Taxmann, New Delhi

7) Thakkar, Vishal : GST for the Layman, TV18Broadcast Ltd.,
8) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final-Taxation

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-V)
Taxation Paper-II
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problem C) 8 Marks D) 8 Marks		16 Marks
Question 2	Attempt Any Two Questions on theory or problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-VI)
Paper - III : DSE-D3 : Taxation
Discipline Specific Course

4 Credits

Course Outcomes:

1. To understand the concepts of TDS, TCS and Advance Tax
2. To know the procedure of filing of income tax return
3. To understand procedure of assessment and various types of assessments
4. To know the powers and functions of income tax authorities

Syllabus Content

Unit- I **TDS, TCS and Advance Tax:** 15 Lectures
Concepts of Advance Tax, Tax Deducted at Source and Tax Collected at Source; Provisions relating to Interest for Default in Payment of Advance Tax, TDS and TCS; Tax Deduction and Tax Collection Account Number; Filing of TDS Returns.

Unit- II **Self Assessment Tax and Filing of Income Tax Return:** 15 Lectures
Payment of Self Assessment Tax, Filing of Income Tax Return, Compulsory Filing of Return, Penalty for Default in Filing of Return, Return of Loss, Provisions related to Revised and Belated Return, Procedure of Online Payment of Tax and Filing of Return.

Unit- III **Assessment of Tax:** 15 Lectures
Assessment, Reassessment, Best Judgment Assessment, Income Escaping Assessment, Self Assessment, Scrutiny Assessment, Protective Assessment, Appeals and Revision, Search and Survey.

Unit- IV **Authorities of Income Tax:** 15 Lectures
Income Tax Authorities - Functions of CBDT, DGIT, Chief Commissioner of Income Tax; Powers and duties of Commissioner of Income Tax, Commissioner of Income Tax (Appeals), Additional Director (or Commissioner), Joint Director (or Commissioner), Income Tax Officer, Assistant Director (or Commissioner), Tax Recovery Officer and Inspector.

Reference Books:

1) Singhania, V.K. : Students' Guide to Income Tax, Taxmann Publication, New Delhi

2) Manoharan, T.N. : Direct Taxes : Snow White Publications, New Delhi
3) Singhania, Monica : Students' Guide to Income Tax and GST, Taxmann, New Delhi
4) Sury, M.M. : Goods and Services Tax in India,
5) Agarwal, CA VK : GST Guide for Students, Neelam Book House, Delhi
6) Datey, V.S. : GST Ready Reckoner, Taxmann, New Delhi
7) Thakkar, Vishal : GST for the Layman, TV18Broadcast Ltd.,
8) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final-Taxation

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-VI)
Taxation Paper-III
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problem E) 8 Marks F) 8 Marks		16 Marks
Question 2	Attempt Any Two Questions on theory or problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

B.Com (CBCS) Part-III (Semester-VI)
Paper- IV : DSE-D4 : Taxation
Discipline Specific Course

4 Credits

Course Outcomes:

1. To understand the concept of GST
2. To know the procedure of registration under GST
3. To understand the important concepts related to GST
4. To understand the legal framework of GST in India

Syllabus Content

Unit- I **Basics of GST:** 15 Lectures
Meaning of GST, Need for GST, Features of GST, Application of GST in India, Rates of GST, Benefits of GST, Charge or Levy of GST.

Unit- II **Registration:** 15 Lectures
Persons liable and not liable for registration under GST, Amendment and Cancellation of GST registration, Exemptions from GST, Goods and Services exempted from GST.

Unit- III **Important Concepts under GST:** 15 Lectures
Input Tax Credit : Meaning, Definition, Eligibility for taking Input Tax Credit
Tax Invoice, Debit and Credit Notes : Meaning, Proforma and Amounts to be Indicated
Payment of Tax and Return : Procedure of payment of GST and Filing of Returns of GST

Unit- IV **Legal Framework of GST in India:** 15 Lectures
Application of CGST, SGST, IGST and UTGST Acts, Provisions of Levy, Collection, Composite Scheme and Commencement of GST Regime as per various acts

(Note: Problems shall be asked on Unit 3 and 4 only)

Reference Books:

1) Singhania, V.K. : Students' Guide to Income Tax, Taxmann Publication, New Delhi
2) Manoharan, T.N. : Direct Taxes : Snow White Publications, New Delhi
3) Singhania, Monica : Students' Guide to Income Tax and GST, Taxmann, New Delhi
4) Sury, M.M. : Goods and Services Tax in India,
5) Agarwal, CA VK : GST Guide for Students, Neelam Book House, Delhi
6) Datey, V.S. : GST Ready Reckoner, Taxmann, New Delhi
7) Thakkar, Vishal : GST for the Layman, TV18Broadcast Ltd.,
8) The Institute of Chartered Accountants of India, Study Material for CA Inter/Final-Taxation

Nature of Question Paper

B.Com (CBCS) Part-III (Semester-VI)
Taxation Paper-IV
Discipline Specific Course
(Introduced from June-2020)

Instructions:	i)	All the questions are compulsory.	Total : 40 Marks
	ii)	Figures to the right indicate full marks.	
	iii)	Use of calculator is allowed.	
Question 1	Practical Problem G) 8 Marks H) 8 Marks		16 Marks
Question 2	Attempt Any Two Questions on theory or problems (out of three)		16 Marks
Question 3	Write short notes (Attempt any two out of four)		08 Marks

(Note: Problems shall be asked on Unit 3 and 4 only)

B.Com-III Semester – V (CBCS)
Paper-I : DSE-F1 : Insurance
(Life Insurance)

Objectives

i) To acquaint the students with the basics of Life Insurance and its procedure
ii) To familiarize the students with the insurable risk and various life insurance products

Unit I: - Introduction to Life Insurance:-

1.1 : Life Insurance -Evolution, Meaning, Definition, Features
1.2 : Human Assets, Principles of Protection and Investment in Life Insurance, Principles applicable to life insurance
1.3 : Socio-Economic significance of Life Insurance, Life Insurance as a social security tool
1.4 : Role of Life Insurance in financial planning, Life insurance needs at various Life stages

(15periods)

Unit II: - Life Insurance Contract & Conditions:-

2.1: Life Insurance Contract –Meaning and Nature, Conditions of valid Life Insurance Contract
2.2 :Procedure of taking life insurance policy, Procedure of settlement of death and maturity claims
2.3 :Policy conditions relating to payment of premium, grace days, surrender value, paid up policy, lapses of policy, revival of lapsed policy
2.4 :Policy conditions relating to nomination and assignment of policy, accident and disability benefits (15periods)

Unit III: - Life Insurance Risk and Premium:-

3.1 : Meaning and definition of risk, Classification of risk : physical, occupational and

moral, insurable and non-insurable risk
3.2 : Risk to human life, Evaluation of risk, – Factors affecting longevity of a person
3.3 : Calculation of Premium, Steps in calculation of premium, calculation of net single premium for term insurance, whole life insurance and endowment insurance policy, Types of premium, Premium calculation .
3.4 :Underwriting : Meaning and importance, Non-medical underwriting – Female lives underwriting – Recent Trends in underwriting (15periods)

Unit IV: - Life Insurance Products:-
4.1 : Whole Life Policy : Meaning, features, merits-demerits and types
4.2 :Endowment Policy : Meaning, features, merits-demerits and types
4.3 :Term Assurance, Annuities, Group Insurance (only features & Types)
4.4 :ULIP – Comparison of ULIP with Traditional Insurance–Riders,(15periods)

Practical : Visit the nearest office of life insurance and collect the information of various life insurance policies.

Reference Books for Paper No. I to IV

1. Insurance Principles and Practice – M.N. Mishra and S.B.Mishra, S. Chand and Co. NewDelhi
2. Principles and Practice of Insurance – M. Motihar, ShardaPustakBhavan, Allhabad
3. Principles of Risk Management and Insurance – Dr. Neelam C. Gulati, Excel Books, NewDelhi
4. Theory and practice of Insurance – M. Arif Khan, Taj Printing Works , Alighar
5. RiskManagementinBankingandInsurance-S.B.Verma,Y.Uppadhyay, R.K. Shrivasatawa, Deep and Deep Publications Pvt. Ltd
6. Insurance Principles and Practice – M.N. Mishra, S. Chand and Co. New Delhi
7. Insurance Theory and practice – NaliniPravaTripathy, Prabir Pal, PHI Learning Pvt Ltd NewDelhi
8. Insurance and Risk Management – Dr. P.K.Gupta, Himalaya Publishing House
9. Insurance Meaning and Its Principles – B.D.Bhargava, Pearl Books New Delhi
10. Insurance Law And Practice – C.L.Tyagi, MadhuTyagi, Atlantic Publishers and Distributers Pvt Ltd
11. General Insurance - S. Balachandran, Insurance Institute of India Mumbai 12.Life Insurance - S. Balachandran, Insurance Institute of IndiaMumbai

B.Com. Part-III Semester – V

Paper-II : DSE-F2 : Insurance

(General Insurance)

Objectives

i) To familiarize the student with the glimpses of fire insurance and motor insurance and their procedural aspects.

ii) To expose the students to the important legal provisions with the respect to IRDAI in general and Fire and Motor insurance in particular

Unit I: - Fire Insurance:-

1.1: Fire Insurance : Meaning of fire and fire insurance, Nature, Physical hazards in fire insurance, Importance of fire insurance

1.2 : Principles of fire Insurance and conditions of fire insurance policy

1.3 :Concepts and difference between Co-insurance & Reinsurance- Methods of Reinsurance, Advantages of Reinsurance, Under-insurance and over-insurance

1.4 : Progress of fire insurance businessin India after privatization (15Periods)

Unit II: - Fire Insurance Policy and Rating–

2.1: Procedure of taking fire insurance policy, Renewal of fire insurance policy, Settlement of claim under fire insurance

2.2 : Cancellation and forfeiture of fire insurancepolicy.

2.3 : Kinds of fire insurance policy

2.4 : Rating - Rate fixation in Fire Insurance - System, Principles - Theory of Rating – Bases of Rating - Degree of Hazards – Classification of Risk Past loss experience and lawofprobability. (15Periods)

Unit III:-Basics of Motor Insurance–

3.1 :Meaning, Need, Basic Principles of motor insurance

3.2 :Classification of vehicles under motor insurance, Types of motor insurance policy

3.3 :Procedure of taking Motor Insurance Policy, Settlement of Claim under motor insurance, No Claim Bonus

3.4 :Factors considered for premium rating under motor insurance, Conciliation forum, motor accident tribunal **(15Periods)**

Unit IV:- Documentation and Legislation –

4.1: Documents in Fire Insurance – Proposal Form, Survey Report, Cover Note, Policy, Endorsement, Renewal Notice, Claim Form.

4.2: Documents in Motor Insurance – ProposalForm,Survey Report, Cover Note, Policy, Certificate of Insurance, Registration Certificate Book, Fitness Certificate and Permit (for commercial vehicle)

4.3: Legislations – Important provisions relating to fire insurance in Insurance Act 1938, Importantprovisionsrelating to Motor Insurance in Motor VehicleAct1988.

4.4 : Insurance Regulatory and Development Authority of India (IRDAI)Act, 1999 : Important provisions (15Periods)

Practical :

(i) Take survey of properties covered under fire insurance in local community.

(ii) Collect the information of the types of motor insurance policies taken by vehicle owners in local community.

Reference Books for Paper No. I to IV

1) Insurance Principles and Practice – M.N. Mishra and S.B.Mishra, S. Chand and Co. NewDelhi
2) Principles and Practice of Insurance – M. Motihar, ShardaPustakBhavan, Allhabad
3) Principles of Risk Management and Insurance – Dr. Neelam C. Gulati, Excel Books, NewDelhi
4) Theory and practice of Insurance – M. Arif Khan, Taj Printing Works , Alighar
5) RiskManagementinBankingandInsurance-S.B.Verma,Y.Uppadhyay, R.K. Shrivasatawa, Deep and Deep Publications Pvt. Ltd
6) Insurance Principles and Practice – M.N. Mishra, S. Chand and Co. New Delhi
7) Insurance Theory and practice – NaliniPravaTripathy, Prabir Pal, PHI Learning Pvt Ltd NewDelhi
8) Insurance and Risk Management – Dr. P.K.Gupta, Himalaya Publishing House
9) Insurance Meaning and Its Principles – B.D.Bhargava, Pearl Books New Delhi
10) Insurance Law And Practice – C.L.Tyagi, MadhuTyagi, Atlantic Publishers and Distributers Pvt Ltd
11) General Insurance - S. Balachandran, Insurance Institute of IndiaMumbai
12) Life Insurance - S. Balachandran, Insurance Institute of IndiaMumbai

B.Com-III Semester – VI

Paper – III :DSE-F3 : Insurance

(Claim Management in Life Insurance)

Objectives

i) To provide the sound understanding to the student about managing the claims under life insurance

ii) To acquaint the students with the life insurance legalization and documents

Unit I : - Life Insurance Agent (Financial Adviser)

1.1 : Life Insurance Agent: Meaning,Procedure for becoming an Agent, Insurance Agency as a Profession, Qualifications & disqualification for Life Insurance Agent

1.2 : Role of an Insurance Agent in distribution of insurance products, Functions of an life insurance Agent

1.3: Code of conduct for life insurance agent, Remuneration of life insurance agent

1.4 : Use of Internet and Intranet means by LIC agent, Benefits of Information Technology to Insurance Agent and Policy holders **(15periods)**

Unit II: - Life Insurance : Documents and Progress:-

2.1 :Life Insurance documents : Meaning and Importance of LIC documents, Conditions regarding loss of life insurance policy and Indemnity bond

2.2 :Documents for taking out life insurance policy : Proposal form, Medical Examination Report, Agent's Confidential Report, Proof of Age, First premium receipt (Cover note), Renewal Premium Receipt Life Insurance Policy

2.3 :Documents for settlement of claim : Death Certificate, Police Inquest Report, Coroner`s Report, Deed of Assignment, Claim for Discharge form

2.4 :Progress of life Insurance in India since privatization(15 Periods)

Unit III: - Claim Management in Life Insurance

3.1 : Claim Management: Meaning, Need, Classifications of claims : Death claim, Maturity claim, Early claims, Time- barred claims

3.2 :Claim management procedure and system for different types of claim,

3.3 :Calculation of claim,Claim concessions, Presumption of death, Accident and Disability benefits

3.4 : Importance of investigation in claim management. (15periods)

Unit IV: - Life Insurance Legislation & FDI in Life Insurance Sector :

4.1 : Important provisions of Life Insurance Corporation Act 1956,

4.2 :Evolution of Insurance Regulatory and Development Authority (IRDA) of India Act.1999 and important provisions

4.3 :Ombudsman in Life Insurance : Meaning, function and role in grievance redressal

4.4 :Foreign Direct Investment in Life Insurance Sector : Advantages and disadvantages (15periods)

Practical :

(i) Interact with the life insurance agent and understand his /her role

(ii) Visit the nearest LIC office and collect the information about settlements of claims and settlement rate

Reference Books for Paper No. I to IV

1. Insurance Principles and Practice – M.N. Mishra and S.B.Mishra, S. Chand and Co. NewDelhi
2. Principles and Practice of Insurance – M. Motihar, ShardaPustakBhavan, Allhabad
3. Principles of Risk Management and Insurance – Dr. Neelam C. Gulati,Excel Books, NewDelhi

4. Theory and practice of Insurance – M. Arif Khan, Taj Printing Works ,Alighar
5. Risk Management in Banking and Insurance- S.B. Verma, Y .Uppadhyay, R.K. Shrivasatawa, Deep and Deep Publications Pvt.Ltd
6. Insurance Principles and Practice – M.N. Mishra, S. Chand and Co. NewDelhi
7. Insurance Theory and practice – NaliniPravaTripathy, Prabir Pal, PHI Learning Pvt Ltd NewDelhi
8. Insurance and Risk Management – Dr. P.K.Gupta, Himalaya PublishingHouse
9. Insurance Meaning and Its Principles – B.D.Bhargava, Pearl Books NewDelhi
10. Insurance Law And Practice – C.L.Tyagi, MadhuTyagi, Atlantic Publishers and Distributers Pvt Ltd
11. General Insurance - S. Balachandran, Insurance Institute of IndiaMumbai
12. Life Insurance - S. Balachandran, Insurance Institute of IndiaMumbai

B.Com –III Semester – VI

Paper – IV : DSE-F4 : Insurance

(Marine and Other Insurance)

Objectives

i) To expose the students to the principles, types and conditions of Marine Insurance
ii) To familiarize the students with various documents and legislative provisions of Marine Insurance.
iii) To acquaint the student to various types of Miscellaneous Insurance

Unit I: - Marine Insurance :

1.1 : Marine Insurance : Evolution, Meaning & Definition, Classification,Principles
1.2 : Clauses of Marine Insurance Policy, Warranties: Implied & Expressed Warranties
1.3 : Types of Marine Insurance Policy
1.4 : Procedure for taking Marine Insurance Policy, Payment ofclaim (15 periods)

Unit II :- Marine Losses and Perils :

2.1 :Marine Losses :Total loss, Partial Loss, Particular Average Loss, General Average Loss
2.2 :Difference between Particular Average Loss & General Average Loss - Salvage Charges – Preparation of loss statement
2.3 :Marine Perils
2.4 :Progress of Marine Insurance businessinIndia.(15periods)

Unit III :- Other Insurance (Only Nature & Cover)

3.1 :Burglary Insurance, Engineering Insurance
3.2 :Crop Insurance, Cattle Insurance
3.3 :Sports Insurance, CatastropheInsurance
3.4 :Aviation Insurance, Export Risk Insurance
(15periods)

Unit IV :- Documentation and Legislation :-

4.1: Documents in Marine Insurance - Proposal Form,SurveyReport,Cover Note, Policy, Endorsement, Renewal Notice,Claim Form, Bill of Lading, Letter of Subrogation, Copy ofProtest.
4.2 : Important Provisions of Marine Insurance Act1963
4.3 : InsuranceRegulatory and Development Authority Act 1999
4.4 : Foreign Direct Investment in General InsuranceSector
(15periods)

Practical

i) Obtain the documents used in marine insurance by visiting nearest branch office of General Insurance Corporation, analyze them and prepare the report.
ii) Obtain the bare Act of IRDA Act 1999 and study its provisions

Reference Books for Paper No. I to IV

1. Insurance Principles and Practice – M.N. Mishra and S.B.Mishra, S. Chand and Co. NewDelhi
2. Principles and Practice of Insurance – M. Motihar, ShardaPustakBhavan, Allhabad
3. Principles of Risk Management and Insurance – Dr. Neelam C. Gulati,Excel Books, NewDelhi
4. Theory and practice of Insurance – M. Arif Khan, Taj Printing Works ,Alighar
5. Risk Management in Banking and Insurance- S.B. Verma, Y .Uppadhyay, R.K. Shrivasatawa, Deep and Deep Publications Pvt.Ltd
6. Insurance Principles and Practice – M.N. Mishra, S. Chand and Co. NewDelhi
7. Insurance Theory and practice – NaliniPravaTripathy, Prabir Pal, PHI Learning Pvt Ltd NewDelhi
8. Insurance and Risk Management – Dr. P.K.Gupta, Himalaya PublishingHouse
9. Insurance Meaning and Its Principles – B.D.Bhargava, Pearl Books NewDelhi
10. Insurance Law And Practice – C.L.Tyagi, MadhuTyagi, Atlantic Publishers and Distributers Pvt Ltd
11. General Insurance - S. Balachandran, Insurance Institute of IndiaMumbai
12. Life Insurance - S. Balachandran, Insurance Institute of IndiaMumbai

B.Com.III

Semester V and VI (CBCS Pattern)

Insurance Paper I to IV

Nature of Question Paper

Instructions: Total Marks: 50

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Write Short Answers (Any two out of three)	10 Marks
Q.2	Broad Question	10 Marks
Q.3	Broad Question	10 Marks
Q.4	Broad Question	10 Marks
Q.5	Broad Question	10 Marks
Q.6	Broad Question	10 Marks
Q.7	Write Short Notes (Any two out of three)	10 Marks

Equivalence

Sr.No.	Old Name	New Name
1	Insurance Paper - I	Insurance Paper - I
2	Insurance Paper - II	Insurance Paper - II
3	Insurance Paper - III	Insurance Paper - III
4	Insurance Paper - IV	Insurance Paper - IV

B. Com Part III

(CBCS Pattern- 2020-21)

ADVANCED MARKETING

Semester	***Paper***	***Name of Course***
Semester V	Paper I	Introduction to Marketing
	Paper II	Marketing Management
Semester VI	Paper III	Service Marketing
	Paper IV	Recent Trends in Marketing Management

B. Com Part III Semester V
Paper I : DSE-G1 : INTRODUCTION TO MARKETING

Course Outcomes:

iii) To acquaint the students with the basics and advance marketing concepts and its procedure

iv) To familiarize the students with Marketing Environment and Consumer Buying Behaviour.

Unit	*Course Contents*	*Hours*
Unit 1	**Introduction to Marketing:** Meaning and Nature of Marketing, Evolution of Marketing Concept, Importance and Functions of Marketing, Objectives and Process of Marketing ***Practical:*** *Writing marketing process of any particular product*	**15**
Unit 2	**Modern Marketing:** Difference between Selling and Marketing, Changing Concepts of Marketing, Features of Modern Marketing Concept, Role of Marketing in Economic Development, Relation of Marketing with other functional areas of business. Types of Marketing Organisation ***Practical:*** *Study of relation of marketing department with other departments of any business organisation*	**15**
Unit 3	**Marketing Environment and Marketing System:** Micro and Macro Marketing Environment, Forces in Marketing, Environmental Scanning and Analysis, Mapping the Marketing Environment, Marketing System ***Practical:*** *Scanning and Analysis of Marketing Environment of any nearest business organisation.*	**15**
Unit 4	**Consumer Behaviour:** Concept of Consumer Behaviour, Need for understanding Consumer Behaviour, Consumer Decision Behaviour, Factors influencing Consumer Buying Behaviour, Buying Motives of Consumers, Consumer Buying Decision Process ***Practical:*** *Observing and reporting consumer behaviour at any departmental store or vegetable market or weekly bazzar.*	**15**

B. Com Part III Semester V
Paper II :DSE-G2 : MARKETING MANAGEMENT

Course Outcomes:

iii) To familiarize the student with conceptual Marketing Management, its functions and role of Marketing Manager

iv) To expose the students to the understand the Market Segmentation and Marketing Mix

Unit	*Course Contents*	*Hours*
Unit 1	**Marketing Management** Meaning and Nature of Marketing Management, Functions of Marketing Management, Role of Marketing Manager, Qualities of Marketing Manager ***Practical:*** *Draft a report after discussion with marketing manager of any nearest company.*	***15***
Unit 2	**Marketing Planning:** Meaning, Significance and Process of Marketing Planning, Structure of Marketing Plan, Strategic Marketing Planning – Meaning and Process, Competitive Marketing Strategies ***Practical:*** *Preparation of marketing plan for any product*	***15***
U nit 3	**Market Segmentation and Marketing Mix** Concept of Market Segmentation, Requirements of Effective Segmentation, Benefits of Market Segmentation, Methods of Marketing Segmentation, Patterns of Segmentation. Marketing Mix: Meaning, Importance and Elements of Marketing Mix, Determining the Marketing Mix, Factors affecting the Marketing Mix ***Practical:*** *Preparation of marketing mix of any business organisation producing different products.*	***15***
Unit 4	**Management of Marketing Mix:** a) Product Mix: Concept of Product, Product Planning – Significance and factors affecting the Product Planning, b) Price Mix: Significance of Price in Marketing, Objectives of Pricing, Factors affecting Price, Kinds of Pricing Decisions c) Promotion Mix: Meaning, Objectives and Methods of Promotion d) Place (Distribution) Mix: Meaning and Importance of Distribution Channels, Distribution Policies and Strategies ***Practical:*** *Visit to nearest 5 shops for collection of information about any of the above four factors.*	**15**

B. Com Part III Semester VI
Paper III : DSE-G3 : SERVICE MARKETING

Course Outcomes:

1. *To provide the sound understanding to the student about of various sectors of service marketing.*
2. *To acquaint the students with the Service marketing strategy and Supply Chain Management:*

Unit	*Course Contents*	*Hours*
Unit 1	***Marketing of Service:*** Introduction, definition, characteristics of services (Intangibility, Inseparability, Heterogeneity, Perishability). Importance of services, distinction between services and goods, Marketing Mix in Service Marketing- Product price, place, Promoting, Service encounters service, personnel issues, emotions and service situations, service profit chain, service recovery and empowerment. ***Practical-*** *Study and prepare chart of various service marketing sectors and share it in the class.*	**15**
Unit 2	***Services Marketing Strategy:*** Overview of Service Marketing Strategy – Concept and Objectives. Strategic Role of Service Marketing. Formulating and implementing Service marketing strategy. Services Strategies- Strategies for Market Leaders, challengers, followers and niche marketers. ***Practical-*** *Visit different service organizations and prepare innovative strategies for promoting service marketing.*	**15**
Unit 3	***Logistics & Supply Chain Management:*** Definition and scope of logistics, key logistics activities, market logistics decision, emerging concepts in logistics. Concept of supply chain management (SCM), need for SCM, advances in SCM. Distribution: 6 C's of distribution. Selection and appointing distributors. ***Practical-*** *Study the logistic and supply chain management of the company's dealer working for. Prepare report and share in the class.*	**15**
Unit 4	***Marketing Service Sectors:*** Concept, Characteristics and strategies for different services- Banking, Insurance, Hotel, transport, tourism and consultancy services ***Service Quality***- Customer Expectations and Perceptions ***Practical-*** *Prepare a marketing report by visiting service organization situated to your local area.*	**15**

B. Com Part III Semester VI
Paper IV :DSE-G4 : RECENT TRENDS IN MARKETING MANAGEMENT

Course Outcomes:

iv) *To provide the students regarding conceptual information on recent trends in marketing management*

v) *To acquaint the student with concept of MIS, CRM and Green Marketing*

vi) *To familiarize the students with Retail marketing, Agricultural marketing and International marketing.*

Unit	*Course Contents*	*Hours*
Unit 1	**Marketing Information System (MIS) and Green Marketing:** ***Marketing Information System***-Meaning, definition, Characteristics, scope & procedure MIS. Requirement of Good MIS, Importance of MIS ***Green Marketing-*** Meaning and importance issues involved in green marketing- social responsibility, pressure of government, competitive pressure cost of profit. Problems of green marketing. Green marketing strategies. ***Practical-*** *Visit to nearest corporate /super market and write the MIS and Green Marketing structure by observing the same.*	**15**
Unit 2	**Customer Relationship Management & Retail Marketing:** ***Customer Relationship Management (CRM)-***concept, CRM process, measuring CRM, CRM framework, Tangible Components of CRM, CRM in services, CRM in product management, Zero customer defection, customer loyalty, and customer loyalty development strategies. ***Retail Marketing:*** Introduction to retail, Factors behind the change of Indian Retailing industry- Economic growth, Classification of retailers: Store and Non-store based retailers, Organised and Unorganised Retailing, business models in retail. Careers in Retailing: Employment opportunities, ownership opportunity. ***Practical-*** *Visit Big Bazar/ Departmental store and prepare a report on CRM and retail marketing for ascertaining the career opportunity in it.*	**15**
Unit 3	**Agricultural Marketing:** Meaning and scope of agricultural marketing-Market structure, factors influencing marketable surplus. Estimation of marketable and marketed surplus. New trends in agricultural marketing: APEDA, NAFED- Characteristics of a good agricultural marketing system- Promotion of agricultural products. ***Practical-*** *Study the nearest APMC functions and prepare report to share in the class.*	**15**
Unit 4	**International Marketing:** Concept of International Marketing and its Environment, Entry Strategies, International organization, Export	

	procedure & documents, Global Strategies, targeting and Positioning, International Marketing mix- Product Design Decisions, Geographic expansion strategic alternatives, New product in Global Market, Global Pricing Strategies, Channel Objectives and constraints, Channel Structure, Advertising decisions in International marketing. ***Practical-*** *Study the concepts of international marketing and understand the export procedure & documents.*	**15**

Reference Books:

1. *The Essence of Marketing- Majaro, Simon. Perentice Hall, New Delhi*
2. *Sales Management: Decision, Strategies and Cases- R. R. Still , E.W. Cundiff , N.A.P. Govani, Pearson Education*
3. *Sales and Distribution Management – K.K. Havaldar, V.M. Cavale, Tata McGraw Hill Company*
4. *Professional Sales Management -Anderson, Hair and Bush, McGraw Hill Company*
5. *Sales Management – Rustom Davar*
6. *Marketing Management- Kotler, Keller, Koshy, Jha, Prentice Hall.*
7. *Marketing Management - Ramaswamy,Namakumari, McGraw Hill Education*
8. *Consumer Behaviour – Schiffman and Kanuk , Pearson Publication*
9. *Marketing Management-Pilai, Bhagavati and Kala- S. Chand & Co. Ltd New Delhi*
10. *Consumer Behaviour – David Loudon and Albert Della Bitta., Tata McGraw-Hill.*
11. *Marketing Management- William Stanton.*
12. *Marketing Management- Philip Kotlar.*
13. *Marketing Management – a south Asian perspective: Kotler Phillip, Keller Kevin Lane, Koshy Abraham and Jha Mithileshwar, Pearson.*
14. *Marketing Management – Ramswamy V. S., Namakumari S., Macmillion Publishers India Ltd.*
15. *Marketing Management – Rajan Saxena, Tata McGraw Hill*
16. *Marketing Management: Text and Cases – Tapan Panda, Excel Books*
17. *Marketing – Etzel, Walker B., Stanton W., Pandit A., Tata McGraw Hill.*
18. *Marketing Management - Karunakarn K — Himalaya Publication, New Delhi.*

B.Com. Part-III; SEM-V (CBCS)

Paper-I : DSE-H1 : Advanced Banking (Banking Laws in India)

Credits : 4

Course Outcomes:

1. Learners will be able to explain Regulatory Framework for Banking in India
2. Learners will understand the important laws relating banking sector
3. Learners will apply the knowledge of legal provisions for banking business practices
4. Learners will understand different provisions under cyber Laws

Expected Skills Impartation

4. Ability to apply legal provisions in banking business
5. Ability to understand the legal applications in banking sector
6. Ability to conduct proper banking activities as per legal provisions

Unit No.	Unit Name	Periods
1	**Banking Laws** 1.1. Need and Importance of Banking Laws 1.2. Banking Regulation Act 1949 1.3. New Bank Licensing Policy, 2013 1.4. Provisions for opening and closing of bank branches in India,	15
2	**Banking Laws relating to Cooperative Banks** 2.1. Co-operative Societies Act, 1912 2.2. Maharashtra Co-operative Societies Act, 1960 2.3. Multi State Co-operative Societies Act,2002 2.4. Employees Cooperative Credit Societies- Model Bye-laws in Maharashtra	15
3	**The Negotiable Instrument Act, 1881 and Amendments** 3.1. Meaning, Types, Features and Parties of Bill of Exchange 3.2. Meaning, Features and Parties of Promissory Note 3.3. Meaning, Types, Features and Parties of Cheque 3.4. Protection to a Paying Banker and Collecting Banker	15
4	**Other Laws Relating to Banking** 4.1. Important Provisions under Indian Contract Act, 1872 4.2. Garnishee Order-Meaning, Steps and Execution of Garnishee Order 4.3. Mortgage of Immovable Properties and Its Types 4.4. Banking Ombudsman Scheme 2006	15

References :

1. Arora and Kalra (1999), "All India Banking Law Digest, (1995-1999), Law House Delhi
2. Employees Cooperative Credit Societies - https://sahakarayukta.maharashtra.gov.in
3. ICSI (2015) Banking Law And Practice, https://www.icsi.edu
4. IIBF(2007), "Laws of Co-operative Banking", MacMillan India Ltd.,
5. M.L. Tannan, (2008) Banking Law and Practice in India, India Law House, New Delhi
6. M.L.Tannan, C.R. Datta & S.K. Kataria (2011) Banking Law and Practice, Wadhwa & Company
7. Maharashtra Co-operative Societies Act, 1960 https://sahakarayukta.maharashtra.gov.in

8. Multi State Co-operative Societies Act,2002 https://mscs.dac.gov.in/Guidelines/GuidelineAct2002.pdf
9. RBI (2019) Rationalisation of Branch Authorisation Policy- Revision of Guidelines https://rbi.org.in/scripts/NotificationUser.aspx/Mode=0&Id=11570
10. Sudhir Naib, The Information Technology Act, 2005: A Handbook, OUP, New York, (2011)
11. Tannan (2001), "Banking Law & Practice in India" 20/e (Stud. ed), Law House Delhi

B.Com. Part-III; SEM-V (CBCS)

Paper-II : DSE-H2 : Advanced Banking (Retail and Corporate Banking)

Credits : 4

Course Outcomes:

1. Learners will be able to explain Retail and Corporate Banking systems
2. Learners will understand the Retail and Corporate Banking Practices
3. Learners will apply the knowledge in banking business

Expected Skills Impartation

1. Ability to differentiate Retail and Corporate Banking
2. Ability to conduct Retail Banking business
3. Ability to conduct Corporate Banking business

Unit No.	Unit Name	Periods
1	**Introduction to Retail Banking** 1.1. History, definition and concept of Retail Banking and Corporate Banking 1.2. Difference between Retail banking and Corporate banking 1.3. Importance of Retail banking to Indian Economy 1.4. Changing scenario of Retail Banking in India	15
2	**Retail Banking Products** 2.1. Home Loan - Types, Margin and Process of disbursement 2.2. Vehicle Loan - Types, Margin and Process of disbursement 2.3. Gold Loan - Nature and Process of disbursement 2.4. Educational - Nature and Process of disbursement	15
3	**Corporate Banking** 3.1. Need and Importance of Corporate Banking 3.2. Factoring and Forfeiting services 3.3. Infrastructure Finance Companies in India 3.4. Nature and Importance of Import-Export Finance.	15
4	**Investment Banking** 4.1. Meaning, Evolution and Scope of Investment Banking. 4.2. Meaning and Functions of Merchant Banking 4.3. Meaning and Nature of Venture Capital 4.4. Meaning and Importance of Loan Syndications.	15

References :

1. Indian Institute of Banking and finance (IIBF) (2015) Banking Products and Services, M/s Taxman

Publications Pvt. Ltd
2. Leichtfuss, Reinhold (2003) Achieving Excellence in Retail Banking, John Wiley and sons.
3. Indian Institute of Banking and finance IIBF (2010) International Banking, M/s Macmillan India Limited,
4. Mathav S B. (2013) Financial Management Mac-Millan Publications.
5. Yadhav S. S. (2014) Foreign Exchange Markets (Latest Edition) Mac-Millan Publications.
6. Indian Institute of Banking & finance (2018) Corporate Banking. Mac-Millan Publications.
7. Indian Institute of Banking and finance IIBF (2016)– International Corporate Finance. Mac-Millan Publications.
8. Pratap Giri S. (2017). Investment Banking: Concepts, Analyses and Cases, McGraw-Hill Education.
9. Subramanyam. (2017). Investment Banking: Concepts, Analyses and Cases, McGraw-Hill Education.
10. Ramamurthy Natarajan (2016). Corporate Banking: A Guide Book for Novice, Create Space Independent Publishing Platform.
11. Vikas Srivastava (2017) Project and Infrastructure Finance: Corporate Banking Perspective, Oxford University Press.

B.Com. Part-III; SEM-VI (CBCS)

Paper-IV : DSE-H4 : Advanced Banking (Financial Markets and Services)

Credits : 4

Course Outcomes:

1. Learners will be able to understand the nature and structure of Financial Market in India
2. Learners will understand business practices in money market and capital market
3. Learners will understand functioning of different Intermediaries in Financial Markets

Expected Skills Impartation

1. Ability to understand the procedure of security trading
2. Ability to apply knowledge for security trading
3. Ability to conduct security trading business

Unit No.	Unit Name	Periods
1	**Introduction to Financial Markets in India** 1.1. Structure of Financial System in India 1.2. Meaning and Role of Financial Markets in Economics Development 1.3. Structure of Capital Market - Primary and Secondary Capital Market 1.4. Instruments used in Indian Capital Market	15
2	**Money Market and Capital Market** 2.1. Meaning, Structure and Features of Money Market in India 2.2. Meaning, Structure and Features of Capital Market in India 2.3. Important Intermediaries - Banks, NBFCs and Other 2.4. Financial Instruments of Capital Market in India	15
3	**Capital Market Operations** 3.1 IPO - Meaning, Nature and Grading of IPO 3.2 Pricing of IPO - Fixed Price Issue and Book Building	15

	3.3 BSE and NSE - History, Management and Indices - Listing of Securities 3.4 Market Orders - Types of Orders for Selling and Buying of Stocks	
4	**Intermediaries in Financial Markets** 4.1. Role of Depository Organization- CDSL and NSDL 4.2. Indian Clearing Corporation Limited (ICCL) 4.3. Credit Rating Agencies- Functions, Institutes and their Rating Symbols 4.4. Progarmmes and Certifications of BSE Institute Ltd and NSE Academy	15

References :

1. Bhole I.M. (2009). Financial Institutions and Market, 5th edition, 2nd reprint in 2009 Tata McGraw Hill.
2. Benson Kunjukunju Et Al. (2012). Financial Markets and Financial Services in India, New Century Publication, New Delhi.
3. Preeti Singh (2016). Investment Management, Himalaya Publishing House Pvt. Ltd.,
4. Pawan Jhabak (2016). Securities Analysis and Portfolio Management, Himalaya Publishing House Pvt. Ltd.,
5. Avadhani V.A. (2016). Security Analysis & Investment Management, Himalaya Publishing House Pvt. Ltd.,
6. Avadhani V.A. (2016). Securities Analysis and Portfolio Management, Himalaya Publishing House Pvt. Ltd.,
7. Braam van den Berg (2015).Understanding Financial Markets & Instruments Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
8. NSE (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange Of India Limited
9. Michael K. (2002).Credit Rating Methodology, http://www.psnacet.edu.in/courses/MBA/Financial%20services/17.pdf
10. Issue Management, http://www.psnacet.edu.in/courses/MBA/Financial%20services/13.pdf
11. ICCL https://www.icclindia.com
12. BSE Institute Ltd http://www.bsebti.com/
13. NSE Academy - https://www.nseindia.com/education/content/about_ncfm.htm

B.Com. Part-III; SEM-VI (CBCS)

Paper-III : DSE-H3 : Advanced Banking (Bank Management Practices)

Credits : 4

Course Outcomes:

1. Learners will be able to understand the nature and structure of Financial Market in India
2. Learners will understand business practices in money market and capital market
3. Learners will understand functioning of different Intermediaries in Financial Markets

Expected Skills Impartation

1. Ability to understand the procedure of security trading
2. Ability to apply knowledge for security trading
3. Ability to conduct security trading business

Unit No.	Unit Name	Periods
1	**Administrative Structure of Head Office** 1.1. Importance of Head Office of the Bank 1.2. Administrative Structure of Head Office 1.3. Departments in Head Office and Its Functions 1.4. Duties and Responsibilities of CEO /MD	15
2	**Regional / Zonal Offices of the Bank** 2.1. Importance of Regional / Zonal Offices of the Bank 2.2. Administrative Structure of Regional/ Zonal Offices 2.3. Functions and Role of Regional / Zonal Offices 2.4. Duties and Responsibilities of Regional/ Zonal Manager	15
3	**Bank Branch Management** 3.1. Structure of Branch Office - Small, Medium and Large Bank Branch 3.2. Duties and Responsibilities of Officer Incharge of Deposit Section 3.3. Duties and Responsibilities of Loan and Recovery Officer 3.4. Duties and Responsibilities of Cashier & Role of Branch Manager	15
4	**Banking Business Practices** 4.1. Principles of Banking Business and Its Importance 4.2. Investment Policy of the Bank- SLR and Non-SLR Investment 4.3. Nature and Importance of Internal and Statutory Audit of the Banks 4.4. Nature and Importance of Information and System Audit of the Banks	15

References :

1. George H. Hempel, Donald G. Simonson (2018). Bank Management: Text and Cases, Wiley, 2020 ISBN 0471410918
2. IIBF (2005). General Bank Management : (For Caiib Examinations), Indian Institute of Banking and Finance, Macmillan, 2005
3. Kanhaiya Singh (2013). Commercial Bank Management, Tata McGraw-Hill Education.
4. Peter S. Rose, Sylvia C. Hudgins (2008). Bank Management and Financial Services, McGraw-Hill Education.
5. Timothy W. Koch, S. Scott MacDonald (2014). Bank Management, Cengage Learning.
6. Timothy W. Koch, Steven Scott MacDonald, Vic Edwards, Randall E. Duran (2014). Bank Management: A Decision-Making Perspective, CENGAGE Learning Asia.
7. V.S.P. Rao (1999). Bank Management, Discovery Publishing House, 1999 ISBN 8171415105
8. Guidance Note on Audit of Banks (2018 Edition)- https://www.puneicai.org/wp-content/uploads/Guidance-

Note-on-Audit-of-Banks-2018-Edition.pdf
9. Chitale MM (2018) Bank Audit - Bombay Chartered Accountants' Society- https://www.bcasonline.org/ContentType/3.%20MChitale.pdf
10. RBI (2018) Checklists for Computer Audit, https://rbidocs.rbi.org.in/rdocs/PublicationReport/Pdfs/33400.pdf
11. Shiva Chaudhari (2017) A Guide to Risk Based Internal Audit System in Banks, Notion Press.

EQUIVALENCE OF THE PAPERS / COURSES

Sr.	Existing title of the Paper	Revised Title of the paper
1	Advanced Banking Paper – I	Advanced Banking P-I (Banking Laws in India)
2	Advanced Banking Paper – II	Advanced Banking P-II (Retail and Corporate Banking)
3	Advanced Banking Paper P-III	Advanced Banking P-III (Bank Management Practices)
4	Advanced Banking Paper P-IV	Advanced Banking P-IV (Financial Markets and Services)

Nature of question paper for B.Com -III Advanced Banking

Semester V & VI (Paper No. I to IV)

Attempt any five questions.

Total marks 40

Q1. Write short answers (any two out of three)	08
Q2. Broad question	08
Q3. Broad question	08
Q4. Broad question	08
Q5. Broad question	08
Q6. Broad question	08
Q7. Write short notes (any two out of three)	08

B.Com. Part-III Semester – V
Paper – I : DSE-I-1 : Rural Economics and Co-operation
(Optional Paper)

Course Outcomes:

1. Learners will be able to understand Rural Economy in India.
2. Learners will understand the correlation between Agriculture and Rural Development.
3. Learners will understand Agricultural productivity in India.
4. Learners will understand Role of Co-operation in Rural Development.

Unit I: - Rural Economy of India (15 Periods)

1.1 Rural Economy: Concept, nature and features

1.2 Importance of Rural Economy

1.3 Indicators of Rural Development

1.4 Problems of Rural Economy

Unit II:- Agriculture Sector and Rural Development (15 Periods)

2.1 Agriculture and Economic Growth

2.2 Peculiar Features of Indian Agriculture

2.3 Importance of Agriculture in Rural Development

2.4 Risk and Uncertainty in Indian Agriculture

Unit III: - Agricultural Productivity in India (15 Periods)

3.1 Agricultural Productivity: Meaning, types and determinants

3.2 Indian Agricultural Productivity

3.3 Causes of Low Agricultural Productivity

3.4 Measures to improve the Agricultural Productivity

Unit IV: - Introduction to Co-operation (15 Periods)

4.1 Co-operation: Meaning, definition and features

4.2 Principles of Co-operation (Manchester-1995)

4.3 Role of Co-operation in Rural Development

4.4 Issues in Cooperative Movement

References:

i) Misra S. K. and V. K. Puri, Indian Economy, Himalaya Publishing Bombay (Latest edition)

ii) Dutt R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company, New Delhi

iii) R.K.Lekhi and Joginder Singh, Agricultural Economics, Kalyani Publishers, New Delhi

iv) K.V. Patel , A.C. Shah and L.D. Mello , Rural Economics, Himalaya Publishing Bombay

v) S.S.Shejal, Impact of Agri based Industries on Rural Economy ABS Publication, Varanasi

vi) T.N.Hajela, Co-Operation, Ane Book Pvt. Ltd. New Delhi

vii) Vijay Kavimandan, Agricultural and Rural Economics (Marathi) Shri. Mangesh Prakashan Nagapur

viii) C.B.Mamoria, Agricultural problems in India, Kitab Mahal New Delhi

ix) Vasant Desai, Rural Economics, Himalaya Publishing Bombay

B.COM. Part - III Semester - V
(Optional Paper)

Paper – II : DSE-I-2 : Rural Economics and Co-operation

Course Outcomes:-
Student will be able to explain –

1. Awareness among the students regarding Rural Industrialization in India.
2. Agro based industries and small scale industries in India.
3. Non-credit co-operation and Rural Indebtedness in India.

Unit I - Rural Industrialization in India (15 Periods)

1.1 Need and concept of Rural Industrialization

1.2 Importance and problems of Agro-based Industries

1.3 Sugar Industry: Importance and problems

1.4 Dairy Industry: Importance and problems

Unit II- Cottage and Small-Scale Industries in India (15 Periods)

2.1 Meaning, features and difference between cottage and small-scale Industries

2.2 Role of Cottage and Small-Scale Industries.

2.3 Problems of cottage and Small-Scale Industries.

2.4 Government policy towards cottage and Small-Scale Industries

Unit III - Rural Indebtedness in India (15 Periods)

3.1 Meaning and nature of Rural Indebtedness.

3.2 Extent of rural indebtedness

3.3 Causes and effects of rural Indebtedness

3.4 Government measures to reduce rural indebtedness

Unit IV - Non-Credit Co-operatives in India (15 Periods)

4.1 Industrial Co-operatives: Types, functions and problems

4.2 Labour Co-operatives: Meaning, functions and problems

4.3 Consumers Co-operative: Types, functions and problems

4.4 Housing Co-operatives: Types, functions and problems

References:

i) Misra S. K. and V. K. Puri, Indian Economy, Himalaya Publishing Bombay (Latest edition)

ii) Dutt R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company, New Delhi

iii) R.K.Lekhi and Joginder Singh, Agricultural Economics, Kalyani Publishers, New Delhi

iv) K.V. Patel , A.C. Shah and L.D. Mello , Rural Economics, Himalaya Publishing Bombay

v) S.S.Shejal, Impact of Agri based Industries on Rural Economy ABS Publication, Varanasi

vi) T.N.Hajela, Co-Operation, Ane Book Pvt. Ltd. New Delhi

vii) Vijay Kavimandan, Agricultural and Rural Economics (Marathi) Shri. Mangesh Prakashan Nagapur

viii) C.B.Mamoria, Agricultural problems in India, Kitab Mahal New Delhi

ix) Vasant Desai, Rural Economics, Himalaya Publishing Bombay

B.Com. Part- III Semester – VI
Paper – III : DSE-I 3 : Rural Economics and Co-operation
(Optional Paper)

Course Outcomes:-

After completion of this course, the student will be able to-

1. Explain the rural resources in India.
2. Identify the problem of rural unemployment.
3. Understand the rural finance and agricultural co-operatives in India.

Unit I - Rural Resources in India (15 Periods)

1.1 Livestock: Concept, present status, importance and problems.

1.2 Poultry: Present status, importance and problems.

1.3 Fishery: Sources, present status, problems.

1.4 Forest Resources and forestry: Features and importance, social forestry.

Unit II - Rural unemployment in India (15 Periods)

2.1 Rural unemployment: meaning and nature

2.2 Types of rural unemployment

2.3 Causes of rural unemployment

2.4 Government programmes to reduce rural unemployment

Unit III - Rural Finance in India (15 Periods)

3.1 Need and sources of rural finance

3.2 Nationalized commercial banks

3.3 Regional Rural Banks

3.4 National Bank for Agriculture and Rural Development (NABARD)

Unit IV- Agricultural Co-operatives in India (15 Periods)

4.1 Co-operative farming: Types, problems and remedies

4.2 Co-operative Processing: Problems and remedies

4.3 Co-operative Marketing: Objectives, functions and problems

4.4 National Agricultural Co-operative Marketing Federation (NAFED): Functions and problems.

References:

i) Misra S. K. and V. K. Puri, Indian Economy, Himalaya Publishing Bombay (Latest edition)

ii) Dutt R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company, New Delhi

iii) R.K.Lekhi and Joginder Singh, Agricultural Economics, Kalyani Publishers, New Delhi

iv) K.V. Patel , A.C. Shah and L.D. Mello , Rural Economics, Himalaya Publishing Bombay

v) S.S.Shejal, Impact of Agri based Industries on Rural Economy ABS Publication, Varanasi

vi) T.N.Hajela, Co-Operation, Ane Book Pvt. Ltd. New Delhi

vii) Vijay Kavimandan, Agricultural and Rural Economics (Marathi) Shri. Mangesh Prakashan Nagapur

viii) C.B.Mamoria, Agricultural problems in India, Kitab Mahal New Delhi

ix) Vasant Desai, Rural Economics, Himalaya Publishing Bombay

B.Com. Part-III Semester – VI

Paper – IV : DSE- I 4 : Rural Economics and Co-operation

(Optional Paper)

Course Outcomes:-

After completion of this course, the student will be able to-

1. Understand rural infrastructure in India.
2. Explain rural poverty, food problem and food security in India.
3. Understand co-operative financial institutions in India.

Unit I - Rural Infrastructure in India (15 Periods)

1.1 Importance of infrastructure in rural development

1.2 Rural Electrification: Progress and problems

1.3 Irrigation facilities: Types, sources, progress and problems.

1.4 Transportation and Communication: Types, importance and problems.

Unit II - Rural Poverty in India (15 Periods)

2.1 Concept and types of rural poverty

2.2 Incidence of rural poverty

2.3 Causes of rural poverty

2.4 Poverty Alleviation Programmes

Unit III - Food Problem and Food Security in India (15 Periods)

3.1 Food problem: Different aspects of food problem.

3.2 Food Security: Meaning, definition and nature

3.3 Factors in Food Security

3.4 Remedies of Food Security

Unit IV - Co-operative Finance in India (15 Periods)

4.1 Meaning, Structure and Importance of Co-operative Finance.

4.2 Primary Agriculture Co-operative Credit Society: Functions and problems

4.3 District Central Co-operative Banks: Functions and problems

4.4 State Co-operative Banks: Functions and problems

……..

References:

i) Misra S. K. and V. K. Puri, Indian Economy, Himalaya Publishing Bombay (Latest edition)

ii) Dutt R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company, New Delhi

iii) R.K.Lekhi and Joginder Singh, Agricultural Economics, Kalyani Publishers, New Delhi

iv) K.V. Patel , A.C. Shah and L.D. Mello , Rural Economics, Himalaya Publishing Bombay

v) S.S.Shejal, Impact of Agri based Industries on Rural Economy ABS Publication, Varanasi

vi) T.N.Hajela, Co-Operation, Ane Book Pvt. Ltd. New Delhi

vii) Vijay Kavimandan, Agricultural and Rural Economics (Marathi) Shri. Mangesh Prakashan Nagapur

viii) C.B.Mamoria, Agricultural problems in India, Kitab Mahal New Delhi

ix) Vasant Desai, Rural Economics, Himalaya Publishing Bombay

EQUIVALENCE OF THE PAPERS / COURSES

Sr.	Existing title of the Paper	Revised Title of the paper
1	Rural Eco. & Co-operation (Optional) Paper -I	Rural Eco. & Co-operation (Optional) Paper -I
2	Rural Eco. & Co-operation (Optional) Paper- II	Rural Eco. & Co-operation (Optional) Paper- II
3	Rural Eco. & Co-operation (Optional) Paper -III	Rural Eco. & Co-operation (Optional) Paper -III
4	Rural Eco. & Co-operation (Optional) Paper -IV	Rural Eco. & Co-operation (Optional) Paper -IV

Nature of Question Paper for B.Com. - III
Subject- Rural Economics and Co-operation

Semester V and VI (Paper No. I to IV)
Attempt any five questions
Total Marks 40

Q1. Write short answers (any two out of three)	08
Q2. Broad question	08
Q3. Broad question	08
Q4. Broad question	08
Q5. Broad question	08
Q6. Broad question	08
Q7. Write short notes (any two out of three)	08

B.Com. Part-III- SEM-V (CBCS)
Paper I : DSE-J 1 : Advanced Statistics
(Mathematical Methods)
(Optional Paper)
Credit -4

Course Outcomes:

After completion of this course, students will be able to:

1. Evaluate a determinant.
2. Obtain the inverse of a matrix using different methods.
3. Explain the use of permutation and combination.
4. Explain the Binomial theorem and its expansion.

Unit 1 Determinant:
Definition, evaluation of determinant of order 2 and 3, properties of determinant (without proof), Examples based on evaluation and properties, Cramer's rule, solution to given system of linear equations of two and three variables by Cremer's rule. [15 Periods]

Unit 2 Matrix Algebra:
Definition of matrix, Types of matrices, Addition, subtraction and product of two or more matrices, examples on addition, subtraction and product, Inverse of a matrix by adjoint method, Inverse of a matrix by row transformation, examples based on inverse.[15 Periods]

Unit 3 Permutation and Combination:
Concept of permutation, combination, notation, definition, Relation between them, examples based on ${}^{n}C_{r}$ and ${}^{n}P_{r}$. [15 Periods]

Unit 4 Binomial Theorem:
Concept and definition of Binomial Theorem, Expansion of $(a+b)^{n}$, $(a-b)^{n}$, finding of middle term, r^{th} term and coefficient of r^{th} term in the expansion, Numerical problems.
[15 Periods]

Reference Books

i) Business Statistics by S.S. Desai
ii) Business Statistics by G.V. Kumbhojkar
iii) Introduction to Mathematical Statistics by S.C. Gupta.
iv) Mathematics & Statistics by Sureanjan Shah
v) Text book of matrices by Shanti Narayan
vi) Elements of Statistics, by D. N. Elhance
vii) Fundamentals of Applied Statistics, by V. K. Kapoor.
viii) Business Statistics, by G. C. Beri.

B.Com. Part-III- SEM-V (CBCS)
Paper II : DSE-J 2 : Advanced Statistics
(Applied Statistics)
(Optional Paper)
Credit -4

Course Outcomes:

After completion of this course, students will be able to:

1. Explain the concept of demography and terms related to it.
2. Use the life table and mortality table in real life situations.
3. Understand the concept of hypothesis testing and different tests of hypothesis.
4. Perform testing of hypothesis for the real-life examples.

Unit 1 Measures of Mortality and Fertility:

Concept of demography, vital events, Different measures to measure birth rates such as i) CBR ii) GFR iii) ASFR iv) TFR. Definition, formula, merits and demerits, example based on these rates. Different measures of mortality i.e. death rates such as i) CDR ii) SDR iii) STDR by direct method, Example based on these rates. [15Periods]

Unit 2 Measures of Population growth or Reproduction rates:

Limitations/definition of fertility rate, Introduction of measures of population growth, measures such as GRR and NRR, Definition, formulas, merits and demerits of each one, examples based on these measures. [15Periods]

Unit 3 Life table or Mortality table:

Definition, types of life table, various columns of life table, construction of life table, Examples based on fill in the blanks or total construction when x and l(x) is known. Uses of life table.
[15Periods]

Unit 4 Testing of Hypothesis:

Definition of Parameter, Statistic, Hypothesis (simple and composite, null and alternative), Critical Region, level of significance, Type– I and Type–II errors.

a) Large sample tests for variables (z test): Test for $\mu = \mu_0$ and $\mu_1 = \mu_2$
b) Large sample tests for proportion: Test for $p = p_0$ and $p_1 = p_2$
c) Student's t test: Test for $= \mu_0$ and $\mu_1 = \mu_2$

d) Chi square test: Chi-square test of independence of two attributes (for $m \times n$ contingency table), derivation of formula for 2×2 contingency table. Examples based on these tests.
e) Snedecore's F test: Test for $\sigma_1^2 = \sigma_2^2$ [15Periods]

Reference Books

i) Business Statistics by S.S. Desai
ii) Business Statistics by G.V. Kumbhojkar
iii) Introduction to Mathematical Statistics by S.C. Gupta.
iv) Mathematics & Statistics by Sureanjan Shah
v) Text book of matrices by Shanti Narayan
vi) Elements of Statistics, by D. N. Elhance.
vii) Fundamentals of Applied Statistics, by V. K. Kapoor.
viii) Business Statistics, by G. C. Beri.

B.Com. Part-III- SEM-VI (CBCS)
Paper III : DSE-J 3 : Advanced Statistics
(Probability and Probability distributions)
(Optional Paper)
Credit -4

Course Outcomes:
After completion of this course, students will be able to:

i) Explain the concept of probability and compute the probability of various events.
ii) Explain the concept of mathematical expectation and derive it.
iii) Understand discrete probability distributions in general.
iv) Understand Binomial, Poisson and Normal distributions

Unit No. 1 Probability
Concept and definitions of various terms used in probability, definition of probability. Examples based on definition. Addition and Multiplication laws of probability (with proof). Bayes theorem (Statement only). Examples on conditional probability and Bayes theorem.
[15 Periods]

Unit No. 2 Mathematical Expectation
Definition and examples based on mathematical expectation. Addition and Multiplication theorems on mathematical expectation (with proof). Examples based on these theorems. [15 Periods]

Unit No.3 Discrete probability distribution
Definition of probability mass function (pmf) distribution function (cdf). Properties of distribution function. Numerical Examples. [15 Periods]

Unit No. 4 Probability distributions
Binomial, Poisson and Normal distributions: Definition, properties and examples based on these distributions. Mean and variance of binomial and Poisson distributions (with Proof). Poisson distribution as limiting case of binomial distribution (with Proof). Limitations of Binomial distribution. Properties of normal curve. Fitting of Binomial and Poisson Distributions.
[15 Periods]

Reference Books for paper III:

i) Business Statistics by S.S. Desai, Publisher: Jai-Gouri
ii) Business Statistics by G.V. Kumbhojkar, Publisher: Phadake
iii) Introduction to Mathematical Statistics by S.C. Gupta and V.K. Kapoor Sultan Chand & Sons, Delhi.

B.Com. Part-III- SEM-VI (CBCS)

Paper – IV : DSE-J 4 : Advanced Statistics

(Operations Research)
(Optional Paper)
Credit -4

Course Outcomes:

After completion of this course, students will be able to:

i) Formulate and solve a linear programming problem.
ii) Solve transportation problem using various methods.
iii) Solve assignment problem using Hungerian method.
iv) Solve Sequencing Problem.

Unit No. 1 Linear Programming Problem

Concept, formulation of Linear Programming Problem (L.P.P.). Solution of L.P.P. by graphical method. Examples based on minimization and maximization of given function.

[15 Periods]

Unit No. 2 Transportation problem

Concept, Mathematical Model, Balanced and Unbalanced Transportation problem **(**T.P.). Solution of T.P. by i) NWCR method ii) Least cost method, iii) Vogel's method. Examples based on these methods. [15 Periods]

Unit No. 3 Assignment Problem

Concept, Mathematical Model, Balanced and Unbalanced Assignment Problem **(**A.P.) Hugerian method to obtain solution. Examples by Hungerian method. [15 Periods]

Unit No. 4 Sequencing Problem

Concept of sequencing, sequencing of n jobs through 2 machines, and n jobs through 3 machines. Stepwise procedure. Examples to determine the sequencing and total time required. Also to find Idle time of the machine. [15 Periods]

Reference Books for paper IV

i) Operations Research by S. D. Sharma, Publisher: Kedar Nath.
ii) Operations Research: An Introduction by H A Taha, Publisher: Pearson.
iii) Operations Research: Theory and Application, *J.K. Sharma*, Publisher. Macmillan.

EQUIVALENCE OF THE PAPERS / COURSES

Sr.	Existing title of the Paper	Revised Title of the paper
1	Advanced Statistics Paper I (Mathematical Methods)	Advanced Statistics Paper I (Mathematical Methods)
2	Advanced Statistics Paper II (Applied Statistics)	Advanced Statistics Paper II (Applied Statistics)
3	Advanced Statistics Paper III (Probability and Probability distributions)	Advanced Statistics Paper III (Probability and Probability distributions)
4	Advanced Statistics Paper - IV (Operations Research)	Advanced Statistics Paper - IV (Operations Research)

Nature of question paper for B.Com -III

Semester V & VI (Paper No. I to IV)

Attempt any five questions.

Total marks 40

Q1. Write short answers (any two out of three)	08
Q2. Broad question	08
Q3. Broad question	08
Q4. Broad question	08
Q5. Broad question	08
Q6. Broad question	08
Q7. Write short notes (any two out of three)	08

B.Com Part – III Semester V

Paper-I: DSE-K1: E-Commerce

Course Outcome –

1. **Understanding the basic structure of E-Commerce industry**
2. **Understanding transactional flow in E-Commerce**

Sr No.	Topic	No of Lectures
Unit 1	Introduction to Electronic Commerce • **What is E-Commerce** • **Goals of E-Commerce** • **Functions of E-Commerce** • **Potential of E-Commerce Industry** • **Various e-commerce platforms at present** • **Types of E-Commerce segments (B2C, B2B, C2C etc.)** Practical – Get preliminary information of various E-Commerce companies	15
Unit 2	E-Commerce Framework • **Introduction to E Commerce Structure / Framework** • **Internet** • **e-Commerce Portal / ERP System** • **Warehouse** • **Point of Sale (POS)** • **Payment Gateway** • **Call Centre** • **Data Analytics** • **CRM (Customer Relationship Management)** Practical – Draw Diagram of framework of any e-commerce company based on some practical research	15
Unit 3	Electronic Payment System • **Introduction** • **Modes of Electronic payments (net banking, debit / credit card, payment wallets etc.)** • **Online payment process** • **Security controls** • **Online frauds & cautions to be taken care of** • **Online payment service providers** Practical – Prepare case study paper on online fraud	15

Unit 4	Online Order Processing • **Order Intimations** • **Shipping & Billing** • **Bar Code System** • **Shipment Tracking** • **Order Dashboard** • **Account Settlement** Practical – Visit any online seller and observe order processing activities	15

B.Com Part – III Semester III

Paper-II : DSE-K2 : E-Commerce

Course Outcome –

1. **Understanding the variousfunctions of E-Commerce industry**
2. **Understanding of cyber security threats and remedies**
3. **Understanding of basics of digital marketing**

Sr No.	Topic	No of Lectures
Unit 1	Supply Chain & Warehouse Management • **Packaging of Products** • **Inventory Management – Coding, storage & monitoring** • **Security Controls** Practical – Visit any seller company who sales online and observe the warehouse management systems	15
Unit 2	Digita Marketing Basics • **Various avenues of digital marketing** • **Difference between traditional marketing and digital marketing** • **SEO (Search Engine Optimization)** • **Recent Trends in digital marketing** Practical – Visit any Digital marketing service provider company and interact	15
Unit 3	Cyber Laws & Intellectual Property Rights, Internet Security • **Types of cyber threats (financial, virus, hacking etc.)** • **Introduction to Information Technology Act** • **Importance of Trade Mark, Patents & Copy Right** • **Consequences of Infringement** Practical – Visit any Cyber Law Professional / IPR service provider company and interact	15
Unit 4	CRM (Customer Relationship Management) • **What is CRM** • **Use of Technology for CRM** • **Future of Industry** • **New Marketing Trends** • **Loyalty Programmes** Practical – Make short study on CRM softwares used in the market	15

Reference Books:

1. **Concepts of E-Commerce by Adesh Pandye**
2. **E-Commerce by Sarika Gupta and Gaurav Gupta**
3. **E-Commerce Strategy, Technology and Implementation by Gary Schneider**
4. **The Complete E-Commerce Book by Janice Reynolds**

B.Com Part – III Semester VI

Paper-III : DSE-K3 : E-Commerce

Course Outcome –

4. **Understanding the variousfunctions of E-Commerce ad its technological aspect.**
5. **Understanding of consumer oritented e Commerce and e retailing.**
6. **Understanding of basics of digital marketing**

Sr No.	Topic	No of Lectures
Unit 1	**Internet Concepts & Technologies:** • Concept & evolution of internet • Web technologies – Global Publishing concept, hypertext, • Concepts of URLs, HTPP, HTTPD, Servers, HTML, HTML Forms & CGI gateway services.	
Unit 2	**E-Commerce and its Technological aspect:** • **Developments in Information Technology and ist relavance to E-Commerce** • **The scope of E- Commerce, E- Marketing** • **Benefits and limitations of E-Commerce,** • **Produce a generic framework for E-Commerce.** • **Architectural framework of Electronic Commerce, Web based E Commerce Architecture.** ***Practical – Conduct interview of minimus 5 online shop holders and observe their management systems***	15
Unit 3	**Consumer Oriented E- Commerce and E-Retailing**: • **Traditional retailing and e retailing, Benefits of e retailing,** • **Models of e retailing, Features of e retailing.** • **E services: Categories of e-services, Web-enabled services, matchmaking services, Information-selling on the web,** • **E entertainment, Auctions and other specialized services.** • **Business to Business Electronic Commerce** *Practical – identifying customise oriented e-Services and develop models of E-services*	15

Unit -4	**Electronic Data Interchange:** • **Benefits of EDI, EDI technology, EDI standards, EDI Communications, EDI Implementation, EDI Agreements, EDI Security.** • **Electronic Payment Systems, Need of Electronic Payment System: Study and examine the use of Electronic Payment system and the protocols used, Study Electronic Fund Transfer and secure electronic transaction protocol for credit card payment.** • **Digital economy: Identify the methods of payments on the net – Electronic Cash, cheques and credit cards on the Internet.** ***Practical – Conduct Dumy bank transaction and write detail process of Electronic payment system, Fund transfer syste.***	15

Reference Books:

1. Elias. M. Awad, " Electronic Commerce", Prentice-Hall of India Pvt Ltd.

2. RaviKalakota, Andrew B. Whinston, "Electronic Commerce-A Manager's guide", Addison-Wesley. 3. Efraim Turban, Jae Lee, David King, H.Michael Chung, “Electronic Commerce–A ManagerialPerspective", Addison-Wesley.

4. Elias M Award, “Electronic Commerce from Vision to Fulfilment”, 3rd Edition, PHI, Judy Strauss, Adel El-Ansary, Raymond Frost, “E-Marketing”, 3RDEdition, Pearson Education.

B.Com Part – III Semester VI

Paper-IV : DSE-K4: E-Commerce

Course Outcome –

1. **Understanding the various functions of E-Commerce ad its technological aspect.**
2. **Students able to know the security issues in E-Commerce.**
3. **Understanding of basics of digital marketing**

Sr No.	Topic	No of Lectures
Unit 1	**Website Design and E-Commerce** • **Role of web – site in B2C e-commerce; website strategies & web-site design principles;** • **Push & pull technologies, alternative methods of customer communication.** Multi – Media & E-commerce; push & pull technologies, alternative methods of customer communication	15

Unit 2	**Online Retail Sector:** • Analyzing the Viability of Online Firms • E-commerce in Action: E- Retailing Business Models • The Service Sector: Offline and Online • Online Financial Services • Online Travel Services • Online Career Services • • **On-Demand Service Companies**	15
Unit 3	**Security Issues in E-Commerce:** • **Introduction, need and importance** • **Security risks of e-commerce, exposure of resources,** • **Type of threats, sources of threats,** • **Security tools & risk – management approach**	15
Unit 4	**Ethical, Social and Political issues in E-Commerce:** • **Basic Ethical Concepts, Analyzing Ethical Dilemmas, Candidate Ethical principles** • **Privacy and Information Rights: Information collected at E-Commerce Websites, The Concept of Privacy, Legal protections** • **Intellectual Property Rights: Types of Intellectual Property protection, Governance.** ***Practical – Prepare case study and project report on ethical, political and social issues E-Conmmerce***	**15**

Reference Books:1. Elias. M. Awad, " Electronic Commerce", Prentice-Hall of India Pvt Ltd.

2. RaviKalakota, Andrew B. Whinston, "Electronic Commerce-A Manager's guide", Addison-Wesley. 3. Efraim Turban, Jae Lee, David King, H.Michael Chung, “Electronic Commerce–A ManagerialPerspective", Addison-Wesley.

4. Elias M Award, “Electronic Commerce from Vision to Fulfilment”, 3rd Edition, PHI, Judy Strauss, Adel El-Ansary, Raymond Frost, “E-Marketing”, 3RDEdition, Pearson Education.

B. Com (CBCS Pattern)Part- III (Semester-V)

Paper IX : Tax Procedure and Practice

Title of paper- GST (CGST, SGST and IGST)

Generic Elective Course

(Credit 4)

Objectives:- 1) To enhance the knowledge of students with latest amendments in GST Law

2) To clarify the technical aspects and provisions in GST Law

Unit- I	GST Returns (Furnishing details of outward supply, Furnishing details of inward supply, First Return, Annual Return, Final Return, matching of Input Tax Credit)- Specimen Forms for the Returns	Periods-20
Unit- II	1) Sec. 35 Accounts and Sec. 36 Records (Period of Retention, Rules for maintenance of Accounts) 2) Sec. 67 Inspection, Search and Seizure (Power of Inspection, Authority for Search and Seizure)	Periods-10
Unit- III	TCS and TDS, Payment of GST (payment of tax, Interest etc.)	Periods- 10
Unit- IV	Basic Problems- Net GST liability, Time of Supply, Value of Supply	Periods- 20

B. Com (CBCS Pattern)Part- III (Semester-VI)

Paper XI : Tax Procedure and Practice

Title of paper- GST (CGST, SGST and IGST)

Generic Elective Course

Credit-4

Objectives:- 1) To enhance the knowledge of students with latest amendments in GST Law

2) To clarify the technical aspects and provisions in GST Law

Unit- I	Refund of GST (Refund of Tax, Interest on delayed refund	Periods-10
Unit- II	1) Assessment- Self Assessment, Provisional Assessment, Summery Assessment, Scrutiny Assessment, Best Judgment Assessment 2) Audit- Sec. 65- Audit by Tax Authorities Sec. 66- Special audit	Periods-10
Unit- III	1) Appeals and Revision (Appeals to appropriate authority, power of revisional authority) 2) Advance Rulings (Authority for advance rulings, application and procedure)	Periods- 20
Unit- IV	Basic Problems- Admissibility of ITC, Calculation of net GST liability, Composition levy	Periods- 20

B.com- III

Semester V and VI (CBCS Pattern)

Tax Procedure and Practice- GST (CGST, SGST and IGST)

Nature of Question Paper

Internal Marks- 10 marks

Shivaji University Exam 40 marks

Instructions:-

1) All question carry equal marks
2) Attempt any Five questions out of Seven

Q. 1	Theory- Short Notes (Any Two out of Four)	08 marks
Q. 2	Theory Broad Question	08 marks
Q. 3	Theory Broad Question	08 marks
Q. 4	Problems	08 marks
Q. 5	Problems	08 marks
Q. 6	Problems	08 marks
Q. 7	Problems	08 marks

Equivalence

Sr. No.	Old Name	New Name
1	Tax procedure and practice GST (CGST, SGST and IGST) paper- IX (Vocational)	Tax procedure and practice GST (CGST, SGST and IGST) paper- IX (CBCS)
2	Tax procedure and practice GST (CGST, SGST and IGST) paper- XI (Vocational)	Tax procedure and practice GST (CGST, SGST and IGST) paper- XI (CBCS)

Reference Books:-

1) A Birds eye view- Jha and Singh
2) GST made simple- Taxman
3) Basics of GST- Taxman
4) GST guide for Students- CA Vivek Agarwal

B. Com (CBCS Pattern) Part III (Semester V)

Paper X : **Tax Procedure & Practice**

Title of Paper – **Customs**

Generic Elective Course

Credit – 4

Objectives : -

1	To impart theorotical knowledge of Basic concepts of customs, import & export.
2	To develop the skills of solving problems of valuation and calculation of custom duties on imported goods.
3	To acquaint students with the term prohibition on import & export in customs.

Unit I	Introduction of Customs, Role in international trade, organization of customs in India, administration & operational authorities.	10 Hours
Unit II	An overview of Customs Act, 1962, Customs Tariff Act, 1975. Kinds of duties - Basic, Protective, CGST, safeguard, Anti-dumping, anti-subsidy, countervailing, NCCD, cess	10 Hours
Unit III	Important terms & definitions - Assessable value, baggage, Bill of Entry, Bill of Export, Dutiable Goods, Foreign Going Vessel, Exporter, Import Manifest, Prohibited Goods, Shipping Bill, Bill of Lading, Import, Importer, Stores, Letter of Credit, FOB, CIF, Goods Prohibition on importation & exportation of goods & it's reasons, Smuggling	30 Hours
Unit IV	Basic problems- Valuation of imported goods, calculation of custom duty	10 Hours

B. Com (CBCS Pattern) Part III (Semester VI)
Paper XII : Tax Procedure & Practice
Title of Paper – **Customs**
Generic Elective Course

Credit - 4

Objectives : -

1	To understand the meaning of types & modes of import & export.	
2	To impart theorotical knowledge of import & export clearance procedure of goods in detail.	
3	To enhance the knowledge of students with the practical solutions of computaiton of Baggage.	

Unit I	Import of Goods - Types of import- Free, Restricted, Prohibited types of licenses - Advance, EPCG,DFRC, Modes of import Export of Goods- Types of export, types of Exporter, Modes of export	10 Hours
Unit II	Clearance Procedure of Import & Export Import - For Home Consumption, for warehousing, Ex-bond clearance Export -Procedure & filing of documents, Main, auxiliary & regular	20 Hours
Unit III	Duty Drawback System Meaning of scheme, Sec 74 & sec 75, Rules for drawback, Documents required for claiming drawback, types of duty drawback	10 Hours
Unit IV	Clearance of Baggage Meaning and kinds of baggage, Rules & procedure of import thereof Basic problems on clearance of baggage & calculation of custom duty thereon	20 Hours

	B.Com. Part-III **Semester – V** **(Optional Paper)** **Industrial Management Paper – I** **Subject Code: DSE – B1** **(Factory and Capital Management)**	
	Objectives:- 1. To make students familiar with the subject industrial management. **2.** To expose the students the importance and applicability of industry management.	
	Learning Outcomes 1. Understanding the concept Industrial Management. 2. Acquaintance with the Work Environment. 3. Acquaintance with the Plant Maintenance. 4. Acquaintance with Financial Management	
	Teaching Methods: *Lecture, Interactive ICT Based Use of case lets* *Lecture Interactive ICT Based* Discussion Method	
Sr. No	**Content**	**No. of Lectures**
1	**Unit I:-** **1.1 Introduction to Industrial Management**– Meaning and importance of industrial management. **1.2** Introduction to Enterprise Resource Planning (ERP), System Application and Product (SAP) **1.3 Factory Location and Plant Layout-** **1.3.1 Factory Location:** Meaning of location of factory, factors determining location of factory **1.3.2 Plant Layout:** Meaning of plant layout Objectives, Importance of plant layout, Factors influencing layout, Types of layout Problems of layout.	**20**
2	**Unit II :- Work Environment -** **2.1** Meaning **2.2** importance of work Environment **2.3** Factors affecting work environment, Lighting, Ventilation, Sanitation, noise control and Air conditioning **2.4** Quality Circles, **Kaizen, 5 S,**	**20**
3	**Unit III :- Plant Maintenance –** 3.1 Concept, Importance	**10**

	3.2 Objectives of good maintenance system 3.3 types of maintenance 3.4Preventive Maintenance 3.5Recent trends in plant maintenance	
4	**Unit IV – Financial Management** 4.1 Concept of financial Management, 4.2 Objective of Financial management 4.3 Importance and Determinants of Capital Management 4.4Sources of finance 4.5Fixed and working capital	**10**
	References for Paper I to IV : 1. L. C. Jhamb: Industrial Management Savitri Jhamb Everest Publishing House, Pune 2. J. K. Jain : Industrial Management\ Kitab Mahal– Agre 3. K. Aswathappa: Production and Operations Management 4. K. ShridharaBhat – Himalaya Publishing House 5. M. E. ThukaramRao: Industrial Management Himalaya Publishing House 6. Lundy J. L. : Effective Industrial Management Eurasia Publishing Co. 7. Srivastava R. M. : Management Policy and Strategic Management Concepts, Skills and Practices 8. Cost Accounting: B. K. Bhar 9. C. B. Mamoria Gankar: Dynamics of Industrial Relations 10. O. P. Khanna: Industrial Engineering and Management 11.KAshwathappa: Human Resource Management, Tata McGraw Hill, New Delhi 12. A. K. Ahuja : Industrial Management, Kalyani Publishers, New Delhi	

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	B.Com. Part-III **Semester – V** **(Optional Paper)** **Industrial Management Paper – II Subject Code: DSE – B2** **(Human Resource Management)**

	Objectives: 1. To make students familiar with the subject human resource management. **2.** To expose the students the importance and applicability of human resource management.	
	Learning Outcomes: 1. Knowledge about the Human Resource Management 2. Acquaintance with the Human Resource Management 3. Acquaintance with the Employee Training. 4. Acquaintance with - Recent Trends in HRM	
	Teaching Methods: Lecture, Interactive ICT Based Use of case lets. Lecture Interactive ICT Based Discussion Method	
Sr. No	**Content**	**No. of Lectures**
1	**Unit I - Introduction to Human Resource Management-** **1.1** Concept and Nature **1.2** Scope **1.3**Significance **1.4** Objectives **1.5** Functions of HRM. **1.6 Ethical Issues In HRM:** Meaning, Importance and Ethical Issues In HRM	**10**
2	**Unit II – Human Resource Planning (HRP)** **2.1**Meaning and need for Human resource Planning, Process of HRP Factors affecting HRP **2.2**Job Analysis, Job Description, Job Specification. **2.3Recruitment and selection-** **2.3.1** Meaning, **2.3.2** Sources of recruitment **2.3.3** Steps in the scientific selection procedure **2.3.4** e- recruitment: Meaning and Advantage	**20**
3	**Unit III –** **Employee Training and Performance Appraisal** **3.1Employee Training-** **3.1.1** Meaning **3.1.2** Need for training **3.1.3**Steps in training **3.1.4**Methods of Training **3.1.5**Impediments of effective training **3.2Performance Appraisal and Merit Rating** **3.2.1** Meaning	**20**

	3.2.2purpose of performance appraisal **3.2.3**Methods of performance appraisal **3.2.3**Ethics in performance appraisal **Merit Rating-** **3.2.4** Meaning **3.2.5**Benefits of Merit Rating, **3.2.6**Difference between performance appraisal and merit rating	
4	**Unit IV :- Recent Trends in HRM –(Concept and Nature)** **4.1** Employee's brand **4.2**Outsourcing of HR **4.3**e-HRM **4.4** Work Life Balance **4.5**Emotional Intelligence and Talent Management	**10**
	References for Paper I to IV: 1. L. C. Jhamb : Industrial Management Savitri Jhamb Everest Publishing House, Pune 2. J. K. Jain : Industrial Management\ 3. K. Aswathappa : Production and Operations Management 4. K. ShridharaBhat – Himalaya Publishing House 5. M. E. Thukaram Rao : Industrial Management Himalaya Publishing House 6. Lundy J. L. : Effective Industrial Management Eurasia Publishing Co. 7. Srivastava R. M.: Management Policy and Strategic Management Concepts, Skills and Practices 8. Cost Accounting: B. K. Bhar 9. C. B. Mamoria Gankar : Dynamics of Industrial Relations 10. O. P. Khanna : Industrial Engineering and Management 11.KAshwathappa : Human Resource Management,Tata McGraw Hill, New Delhi 12. A. K. Ahuja : Industrial Management, Kalyani Publishers, New Delhi	

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B.Com. Part-III **Semester - VI** **(Optional Paper)** **Industrial Management Paper – III Subject Code: DSE – B3** **(Production Management)**	
	Objectives: 1. To make students familiar with the subject industrial management. 2. To Expose the students the importance and applicability of industrial management

	Learning Outcomes: Understanding the Meaning concept of Production Management and PPC. Acquaintance with the Productivity. Acquaintance with the Inventory Management Acquaintance with Logistic Management	
	Teaching Methods: 1. Lecture, Interactive ICT Based Use of case lets. 2. Lecture Interactive ICT Based Discussion Method	
Sr. No	**Content**	**No. of Lectures**
1	**Unit I:- Production Management and Planning and Control (PPC): –** **1.1Production Function-** **1.1.1** Meaning, Concept and Objectives **1.1.2** Function of production Management **1.2Planning and Control (PPC):** **1.2.1** Meaning **1.2.2** Objectives **1.2.3**Importance of production planning and control **1.2.4** Techniques of production control Routing, Scheduling, Dispatching and follow up **1.2.5** Limitations of PPC.	**20**
2	**Unit II :- Productivity -** **2.1**Meaning, Importance **2.2**Measurement of Productivity **2.3**Factors influencing productivity **2.4**Methods of improving productivity **2.5**ProductionV/s Productivity.	**10**
3	**Unit III :- Inventory Management** 3.1 Meaning and Objectives of inventory Management 3.2 Receipt and issue of material (Bin Card, Store Ledger) 3.3 Pricing of material Issues (First In First Out and Last In First Out) 3.4 EOQ 3.5 ABC Analysis and VED Classifications 3.6 **Just in Time (JIT) Production** – Meaning, Techniques and Advantages. 3.7 Recent Trends in Inventory Management.	**20**

4	**Unit IV :- Logistic Management-** **4.1**Meaning **4.2**Objectives **4.3** Importance of logistic Management, **4.4**Activities of the logistics Management **4.5** Functions-Transportation, Warehousing including Cold Storage Material handling and Packaging. **4.6** Supply chain Management: Meaning, Definition and Importance	**10**
	References 1. L. C. Jhamb: Industrial Management Savitri Jhamb Everest Publishing House, Pune 2. J. K. Jain: Industrial Management\ Kitab Mahal– Agre 3. K. Aswathappa : Production and Operations Management 4. K. Shridhara Bhat – Himalaya Publishing House 5. M. E. Thukaram Rao : Industrial Management Himalaya Publishing House 6. Lundy J. L.: Effective Industrial Management Eurasia Publishing Co. 7. Srivastava R. M.: Management Policy and Strategic Management Concepts, Skills and Practices 8. Cost Accounting : B. K. Bhar 9. C. B. MamoriaGankar : Dynamics of Industrial Relations 10. O. P. Khanna : Industrial Engineering and Management 11.KAshwathappa : Human Resource Management, Tata McGraw Hill, New Delhi 12. A. K. Ahuja : Industrial Management, Kalyani Publishers, New Delhi	

B. Com. Part-III **Semester – VI** **(Optional Paper)** **Industrial Management Paper – IV Subject Code: DSE – B4** **(Personnel Management)**	
	Objectives: 1. To make students familiar with the subject industrial management. **2.** To expose the students the importance and applicability of industry management.
	Learning Outcomes: 1. Knowing the meaning and concept about the Employee Remuneration. 2. Acquaintance with the Industrial Relations. 3. Acquaintance with the Employee Safety, Health and Moral 4. Acquaintance with **HR Accounting**

	Teaching Methods: *Lecture, Interactive ICT Based Use of case lets.* *Lecture Interactive ICT Based* Discussion Method	
Sr. No	**Content**	**No. of Lectures**
1	**Unit I:- Employee Remuneration –** 1.1 Concepts of remuneration 1.2 Meaning of wages and salary 1.3 Objectives of wage and salary administration 1.4 Factors influencing wage and salary structure and administration 1.5 Methods of wage payment Time rate, Piece rate 1.6 Incentive plans (Halsey, Rowan and Taylor)	**10**
2	**Unit II :- Industrial Relations –** **2.1**Meaning, Objectives and Significance of industrial relations **2.2**The parties to industrial relations **2.3**Factors affecting industrial relations. **2.4**Meaning and Causes of industrial Disputes **2.5**Measures taken by Govt. to prevent Industrial disputes.	**20**
3	**Unit III :- Employee Safety, Health and Moral:** **3.1** Meaning and need of employee safety **3.2**Factors in safety programme Meaning and importance of employee health **3.3**Occupational hazards, risks and diseases **3.4** Protection against health hazards and statutory provisions under The Factories Act, 1948– Health, safety and welfare provisions **3.5**Meaning of employee morale.	**20**
4	**HR Accounting:** 4.1 Meaning, Definition and Objectives 4.2 Advantages of HR Accounting 4.3 Determinants of Human Capital 4.4 Methods of HR Accounting	**10**
	References for Paper I to IV: 1. L. C. Jhamb : Industrial Management Savitri JhambEverest Publishing House, Pune 2. J. K. Jain : Industrial Management\ Kitab Mahal– Agre 3. K. Aswathappa : Production and Operations Management 4. K. ShridharaBhat – Himalaya Publishing House 5. M. E. ThukaramRao : Industrial Management Himalaya Publishing House 6. Lundy J. L. : Effective Industrial Management Eurasia Publishing Co. 7. Srivastava R. M.: Management Policy and Strategic Management Concepts, Skills and Practices 8. Cost Accounting: B. K. Bhar 9. C. B. Mamoria Gankar: Dynamics of Industrial Relations	

	10. O. P. Khanna : Industrial Engineering and Management 11.KAshwathappa : Human Resource Management, Tata McGraw Hill, New Delhi 12. A. K. Ahuja : Industrial Management, Kalyani Publishers, New Delhi.	

SHIVAJI UNIVERSITY, KOLHAPUR - 416004,
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४,महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दुरध्वनी विभाग ०२३१—२६०९०९३/९४

Estd. 1962
"A++" Accredited by NAAC(2021)
With CGPA 3.52

Ref./SU/BOS/Com & Mgt./ Date : 23/09/2022

№ 0 0 4 3 8

To,

The Principal
All Affiliated (Commerce & Management) Colleges/ Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi of B. Com. Part-I (CBCS) (Sem. I & II) degree programme under the Faculty of Commerce & Management as per National Education Policy, 2020

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi of **B. Com. Part-I (Sem. I & II)** (CBCS) under the Faculty of Commerce & Management as per National Education Policy, 2020

This syllabi shall be implemented from the academic **year 2022-2023** onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

You are therefore, requested to bring this to the notice of all Students and Teachers concerned.

Thanking you,

Yours faithfully,

By. Registrar

Encl : As above

Copy to,

1. Dean, Faculty of Commerce & Management
2. Chairman, BOS under Faculty of Commerce & Management

} for information

3. Director, BOEE
4. Appointment Section
5. P. G. Admission Section
6. B. Com. Section
7. Affiliation Section (U.G./P.G.)
8. Computer Center/I.T.
9. Eligibility Section
10. Distance Education
11. P.G. Seminer Section

} for information and necessary action.

SHIVAJI NIVERSITY
KOLHAPUR

ESTD. 1962
NAAC A++ Grade

Bachelor of Commerce (B. Com.)

Under the Faculty of Commerce and ManagementChoice Based Credit System (CBCS)

(Regulations in accordance with **National Education Policy**with effect from Academic Year2022-23)

B. Com. Part-I (Level-5) SEMESTER-I

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23
B.Com-I (Semester–I)

Course Code: DSC-1 Discipline Specific Course
Financial Accounting Paper-I

Credits: 4

60 hours Course	**Course Content**	**Total 50 Marks**
Course Outcomes:	After completing this course, students will be able: 1. To get an idea about the basic of accounting, accounting concepts and conventions and accounting process. 2. To acquaint with skill of recording transactions related to amalgamation of partnership firm. 3. To apply skills of accounting for consignment transactions. 4. To make use of knowledge and skill for accounting of professionals.	(Marks: 40 for Examination 10 for Internal Assessment)
Unit-I:	**Introduction to Accounting:**	**(15 hours)**
	BasicAccountingConceptsandConventions,AccountingProcess ,AccountingStandards-Need&Procedure,ConceptofIFRS	
Unit-II:	**Accounting for Amalgamation of Partnership:**	**(15 hours)**
	AmalgamationofPartnershipFirms	
Unit-III:	**ConsignmentAccounting:**	**(15 hours)**
	ConsignmentAccounts-ImportantTermsandAccountinginthebooksofConsignorandConsignee.	
Unit-IV:	**Accounting ofProfessionals:**	**(15 hours)**
	AccountsofProfessionals-preparationofReceiptsandExpenditureAccountandBalancesheetofMedicalPractionersandProfessionalAccountants.	

Reference Books:

1. GuptaR.L.andRadhaswamyM– 'FinancialAccounting'SultanchandSons,NewDelhi.
2. ShuklaM.C.GrewalT.S.andGuptaS.C.–'AdvancedAccounts'S.Chandand Company,NewDelhi.
3. AgarwalaA.N.AgarwalaK.N.- 'HigherScienceofAccountancy'KitabMahalAllahabad.
4. JainandNarang–'AdvancedAccountancy'KalyaniPublications,NewDelhi.
5. S.N.Maheswari–'AdvancedAccountancy'
6. CompendiumofstatementandstandardofAccounting.TheinstituteofCharteredAccountsofIndia.
7. RajanChougule,DhavalChougule- "TheoryandpracticeofComputerAccounting"ModernPublication,Kolhapur.

Note- College should make a provision of necessary computers for commercedepartmenttotrainthestudentsincomputerAccountingasprescribedinthe syllabus.

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23
B.Com-I (Semester–I)

Course Code: DSC-2: Discipline Specific Course
Management Functions and Application-Paper-I

Credits: 04

60 hours Course	Course Content	Total 50 Marks
Course Outcomes:	After completing this course, students will be able: 1. To get an idea about the basic managerial process and planning works in real life 2. To develop decision making skills to evaluate various alternatives and situations. 3. To acquaint with the knowledge of organizing various resources. 4. To understand the concepts of authority and process of delegation of authority. 5. To understand importance of proper direction and to develop their communication skill.	(Marks: 40 for Examination 10 for Internal Assessment)
Unit-I:	**Introduction to the Management:**	**(15 hours)**
	Meaning, Definition, Concept, Characteristics, Need for Management Study, Levels of Management, **Contribution Towards Development of Management Theory** a) Elton Mayo- Hawthorne Experiments and their findings. b) Peter Drucker- Management by Objectives (8), Its Merits and Demerits. c) C.K Prahlad- Core Competence	
Unit-II:	**Planning and Decision Making:**	**(15 hours)**
	Meaning and techniques of Forecasting, SWOC Analysis. Meaning and Definition of Planning - Types of Planning – Steps in Planning Process Decision Making- Concept, Importance, Decision-making Process, Techniques of Decision making -qualitative and quantitative, Six Thinking Hats.	
Unit-III:	**Organizing and Staffing Organizing**:	**(15 hours)**
	Meaning, Concept, Steps of organization, Principles of organizing Delegation of Authority: Meaning, Elements, Difficulties in delegation, Guidelines for making effective delegation. Centralization and Decentralization: Meaning, Merits and Demerits **Staffing**: Concept Need and importance of Staffing, Sources of Recruitment, Scientific Selection Process	
Unit-IV:	**Direction and Communication Direction**:	**(15 hours)**
	Direction: Meaning, Elements, Principles & Techniques of Direction Concept of Team Work, Group Dynamics **Communication**: Meaning and Process of Communication, Types of Communication, Barriers to Communication, Overcoming Barriers to Communication	

List of Reference Books - Management Functions and Application **Paper- I (Semester I)**

1. George Terry, Principles of Management, Richard D. Irwin
2. Newman, Summer, and Gilbert, Management, PHI
3. James H. Donnelly, Fundamentals of Management, Pearson Education.
4. B.P. Singh and A.K.Singh, Essentials of Management, Excel Books
5. Griffin, Management Principles and Application, Cengage Learning
6. Robert Kreitner, Management Theory and Application, Cengage Learning
7. Peter F Drucker, Practice of Management, Mercury Books, London
8. Organisation and Management- Dr. C.B. Gupta
9. Business Organisation and Management –M.C.Shukla
10. Essentials of Management- Koontz and O' Donnell
11. Management: Stoner
12. Principles of Management- P.C. Tripathi and P.H.Reddy
13. Management- Principles and practice- Shriniwas&Chunawala

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23
B.Com-I (Semester–I)

DSC-3: Discipline Specific Course
Subject– Micro Economics Paper I

Objective:

1. Objective of the course is to acquaint students with the concepts of micro economics dealing with consumer behaviour. The course also makes the student understand the supply side of the market through the production and the cost behaviour of firm.
2. Learning outcomes –The student should be able to apply tools of consumer behavior and firm theory to business situation.

Credits: 04

60 hours Course	**Course Content**	**Total 50 Marks**
Course Outcomes:	The student should be able to apply tools of consumer behavior and firm theory to business situation.	(Marks: 40 for Examination 10 for Internal Assessment)
Unit-I:	**Demand and consumer behavior**	**(15 hours)**
	Concept of demand, Defects of Cardinal Approach Indifference Curve Analysis – Meaning, indifference curve map, properties, Marginal rate of substitution (MRS) Consumer's equilibrium and Consumer Surplus 1.4Application of indifference curve.	
Unit-II:	**Demand forecasting:**	**(15 hours)**
	Meaning and Objectives Factors influencing demand forecasting Methods of Demand Forecasting – Market Survey, Time series and Graphical method. Importance of demand forecasting in Business decision making.	
Unit-III:	**Production function:**	**(15 hours)**
	Concept of production function - fixed and variable inputs. Theories of production: Law of variable proportions and Law of	

	Returns to scale Internal and External economies and diseconomies of scale. Isoquants- Concept, Economic region of production, optimal combination of resources	
Unit-IV:	**Cost of production and revenue:**	**(15 hours)**
	Cost of production – Money and Real cost, Private and Social cost, Opportunity cost. Short and long run cost curves. Modern approach of cost curves. Revenue – Total, Average and Marginal revenue- Revenue curves in perfect competition and imperfect competition.	

List of Reference Books:

1) Ahuja H.L. (2010). Business Economics.S. Chand & Company New Delhi-110055
2) Mithani D.M. and Murthy G.K. (2007). Fundamentals of Business Economics. Himalaya Publishing House, New Delhi.
3) Zambre G.N. (2004). Business Economics. Pimplapure Publisher, Nagpur.
4) Mankar V.G. (2000).Business Economics. Himalaya Publishing House, New Delhi.
5) Koutsoyiannis (1979). Modern Micro Economics. MacMillan Press Ltd. Londan.
6) Dewett K. K. (2006). Modern Economic Theory. S.Chand and Company Ltd., New Delhi.
7) Jhingan M. L.(2012) Micro Economic Theory.Vrinda Publication (p) Ltd.
8) Dominick Salvatore (2011). Microeconomics. Shaum series, McGraw Hill Education.
9) Mithani D.M. (2011) Managerial Economics. Himalaya Publishing House, New Delhi,
10) Seth M. L. (1996).Micro Economics. Lakshmi NarainAgarwalEdn. Publishers, Agra.
11) Patil K.E. (2007) UchattarArthikSidhant.Mangesh Publication, Nagpur.
12) Zamare G.N. (2011) SukshamaArthashastra. Pimpalapure and Company Publishers, Nagpur

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23
B.Com-I (Semester-I)

GEC-AA1: General Elective Course
Principles of Marketing Paper-I

Objective:
1. To provide basic knowledge of concepts and principles of marketing.
2. To make aware to students about rural marketing, recent Developments and marketing information system.

Credits: 04

60 hours Course	**Course Content**	**Total 50 Marks**
Course Outcomes:	1. The students will know various marketing concepts, basics of marketing and he or she will be able to assess consumer behaviour. 2. The students will understand rural market, consumers and he or she will also enlighten about various recent trends and development in marketing.	(Marks: 40 for Examination 10 for Internal Assessment)

Unit-I:	**Introduction:**	**(15 hours)**
	Nature, Scope and importance of marketing; Evolution of marketing concepts; marketing environment.	
Unit-II:	A. Consumer Behaviour: B. Market Selection :	**(15 hours)**
	A. An Overview: consumer buying process; factors influencing consumer buying decisions. B. Market segmentation - concept, importance and bases: Target market selection; positioning concept and importance product differentiation vs. market segmentation.	
Unit-III:	**Rural marketing:**	**(15 hours)**
	Growing importance; Distinguishing characteristics of rural marketing; Understanding rural consumers and rural markets. Marketing mix planning for rural markets.	
Unit-IV:	**Recent developments in marketing:**	**(15 hours)**
	Social Marketing, Online marketing, green marketing. Marketing Information System-concept and components: Marketing Research and its process.	

List of Reference Books:

1. KotlerPhilip,Gary Armstrong, PrafullaAgnihotri and AhsanUIHaque. Principles of Marketing. 13thedition. Pearson Education.
2. Michael, J. Etzel, Bruce J. Walker, William J Stantion and Ajay Pandit. Marketing Concept sand Cases.(Special Indian Edition)
3. McCarthy, E Jerome and William D.Perreault, Basic Marketing, Richard D. Irwin.
4. Lamb, Charles W, Joseph F. Hair, Dheeraj Sharma and Carl Mc Daniel Marketing: A South Asian Perspective Cengage Learning.
5. Pride William M. D. C. Ferell Marketing: Planning, Implementation &Control, Cengage Learning.
6. Majaro, Simon The Essence of Marketing Perentice Hall, New Delhi
7. Zikmund William GandMichaelD'sAmico Marketing: Creaingand Keeping Customers in an E- Commerce World. Thomson Learning.
8. Chhabra, T.N, and S.K. Grover Marketing Management. Fourth Edition DhanpatRai& Company.
9. TheConsumerProtectionAct-1986.
10. Iacobucci and Kapoor, Marketing Management : A South Asian Perspective, Engage Learning

SHIVAJI UNIVERSITY, KOLHAPUR.

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CHOICE BASED CREDIT SYSTEM

Syllabus For

B.Sc. Part - I

Chemistry

SEMESTER I AND II

(Syllabus to be implemented from June, 2018 onwards.)

B. Sc. I Semester I

DSC-3A- Chemistry paper I (Inorganic Chemistry)
(Theory Credits: 02 : 30 Lectures)

Unit I: Atomic Structure and Periodicity of Elements (09)

1.1 Bohr's theory of hydrogen atom and its limitations

1.2 Wave particle duality

1.3 Heisenberg uncertainty principle

1.4 Quantum numbers and their significance

1.5 Shapes of *s*, *p and d* atomic orbitals

1.6 Electrons filling rules in various orbitals: a) Aufbau's principle b) Hunds rule of maximum multiplicity c) Pauli's exclusion principle

1.7 Electronic configuration of elements. Stability of empty, half-filled and completely filled orbitals

1.8 Periodicity of the elements: General discussion of the following properties of the elements with reference to s block elements: a) electronic configuration b) atomic radii c) ionic radii d) ionization energy e) electron affinity f) electronegativity g) metallic characters h) reactivity i) oxidation state j) melting and boiling points k) chemical properties

Unit II: Chemical Bonding and Molecular structure (A) Ionic Bonding (07)

2:1 Definition and formation of ionic bond. General characteristics of ionic bonding

2:2 Energetic in Ionic bond formation

2:3 Born-Haber cycle for NaCl and its applications

2:4 Fajan's Rule, Applications of Fajan's rule for,

- Polarizing power and polarizability
- Ionic character in covalent compounds
- Bond moment, dipole moment and percentage ionic character

Unit III: Chemical Bonding and Molecular structure (B) Valence bond theory (VBT). (07)

3.1 Concept of hybridization, different types of hybridization and geometry of following molecules,

- Linear geometry- $BeCl_2$ (sp hybridization)

- Planer trigonal geometry- BF_3 (sp^2 hybridization)
- Tetrahedral geometry- $SiCl_4$ (sp^3 hybridization)
- Trigonal bipyramidal geometry- PCl_5 (sp^3d hybridization)
- Octahedral geometry- SF_6 (sp^3d^2 hybridization)
- Pentagonal bipyramidal geometry -IF_7 (sp^3d^3 hybridization)

Unit IV: Chemical Bonding and Molecular structure (C) Molecular orbital theory (MOT) (07)

4.1 LCAO method, formation of bonding , anti bonding and nonbonding molecular orbitals.

4.2 Conditions for successful overlap, Types of overlaps - S-S ,S-px, Px-Px, Py-Py and Pz-Pz overlaps.

4.3 Bond order and its significance.

4.4 Energy level sequence for molecular orbital when n=1&2.

4.5 MO diagrams for homonuclear diatomic molecule of 1^{st} & 2^{nd} period Elements (He_2, Li_2, B_2, N_2, O_2).

4.6 Molecular orbital diagrams for heteroatomic diatomic molecules. (CO, NO)

Reference Books:

1) Lee, J.D. *Concise Inorganic Chemistry* ELBS, 1991.

2) Cotton, F.A., Wilkinson, G. & Gaus, P.L. *Basic Inorganic Chemistry*, 3rd ed., Wiley.

3) Douglas, B.E., McDaniel, D.H. & Alexander, J.J. *Concepts and Models in Inorganic Chemistry*, John Wiley & Sons.

4) Huheey, J.E., Keiter, E.A., Keiter, R.L. & Medhi, O.K. *Inorganic Chemistry:*

5) Principles of Structure and Reactivity, Pearson Education India, 2006.

6) Puri, Sharma, Kalia. *Principles of Inorganic Chemistry*

7) Madan R. L.Chemistry for Degree Students(B. Sc. First year),S. Chand Publications

B. Sc. I Semester I

DSC-4A- Chemistry paper II (Organic Chemistry)
(Credits: 02 : 30 Lectures)

Unit I: Fundamentals of Organic Chemistry (08)

Introduction, Curved arrow notations, Cleavage of Bonds: Homolysis and Heterolysis. Organic molecular species: Nucleophiles and electrophiles. Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugation effect, Reactive Intermediates: Generation, Structure, Stability and Reactions of Carbocations, Carbanions and carbon free radicals.

Unit II: Stereochemistry (09)

Hrs

Introduction, Types of Stereoisomerism, Optical Isomerism: Concept of Chirality, Elements of Symmetry, Optical Isomerism in tartaric acid, 2, 3 Dihydroxybutanoic acid, Enantiomerism, Diastereomerism and Meso compounds, Geometrical isomerism in C=C, C=N and alicyclic compounds. Nomenclature of stereoisomers: D and L, erythro and threo, R and S, E and Z.

Unit III: Aromaticity (07)

Introduction, Characteristics properties of organic compounds, Meaning of terms: Aromatic, Non aromatic, Antiaromatic, Pseudoaromatic , Structure of Benzene: Kekule structure, Resonance structure, M.O. picture, Modern theory of Aromaticity, Mechanism of Electrophilic substitution reactions: Nitration, Sulphonation, Halogenation and Friedel craft reaction.

Unit IV: Cycloalkanes, cycloalkenes and alkadienes (06)

Cycloalkanes: - Introduction. Method of formation - a) By addition of carbene to alkene b) Action of metallic sodium on dihaloalkane c) Diels - Alder reaction d) By reduction of aromatic compounds, Chemical properties- a) Photohalogenation b) Catalytic halogenations c) Catalytic hydrogenation d) Effect of heat e) Reaction with hydrogen halide

Cycloalkenes : Introduction, Method of formation from cyclic compounds, Chemical Properties - a) Hydrogenation b) Addition of Halogens and halogen acids, c) Allylic halogenations

Alkadienes : Introduction, Classification, Buta-1,3-diene - a) Structure b) Methods of formation - from cyclohexane, From Butane by dehydrogenation, From acetylene, From Butane-1,3 - diol, From ethanol and acetaldehyde (Industrial method), Chemical Properties - a) Reaction with hydrogen halide b) Reaction with halogens -With one molar equivalent of halogens (Cl_2 or Br_2) c) Diels- Alder reaction d) Reduction – hydrogenation e) Oxidation – Ozonolysis f) Polymerization

Reference Books:

1) Graham Solomon, T.W., Fryhle, C.B. & Dnyder, S.A. *Organic Chemistry,* John Wiley & Sons (2014).

2) McMurry, J.E. *Fundamentals of Organic Chemistry*, 7th Ed. Cengage Learning India Edition, 2013.

3) Sykes, P. *A Guidebook to Mechanism in Organic Chemistry,* Orient Longman, New Delhi (1988).

4) Eliel, E.L. *Stereochemistry of Carbon Compounds*, Tata McGraw Hill education, 2000.

5) Finar, I.L. *Organic Chemistry* (Vol. I & II), E.L.B.S.

6) Morrison, R.T. & Boyd, R.N. *Organic Chemistry*, Pearson, 2010.

7) Bahl, A. & Bahl, B.S. *Advanced Organic Chemistry,* S. Chand, 2010.

8) D.Nasipuri :Stereochemistry of Organic compounds

9) R. L. Madan, Chemistry for Degree Students (B. Sc. First Year), S. Chand.Publication

CHEMISTRY-DSC 3B: Chemistry Paper-III (Physical Chemistry)

(Credits :02 , Lectures-30)

Unit -I Chemical Energetics (06)

A)Thermodynamics

Introduction, Basic concepts of thermodynamics, First law of thermodynamics Spontaneous and non-spontaneous process with examples, Statements of second law of thermodynamics, Carnot's cycle and its efficiency. Entropy, Physical Significance of entropy, Statement of Third Law of thermodynamics and calculation of absolute entropies of substances

B) Thermochemistry (04)

Important principles and definitions of thermochemistry. Concept of standard state and standard enthalpies of formations, integral and differential enthalpies of solution and dilution. Calculation of bond energy, bond dissociation energy and resonance energy from thermochemical data. Variation of enthalpy of a reaction with temperature – Kirchhoff's equation.

Unit II . Chemical Equilibrium: (06)

Chemical Equilibrium: Free energy change in a chemical reaction. Thermodynamic derivation of the law of chemical equilibrium. Distinction between ΔG and ΔG^o , Le Chatelier's principle. Relationships between Kp, Kc and Kx for reactions involving ideal gases.

Unit- III. Kinetic Theory of Gases (07)

Postulates of Kinetic Theory of Gases and derivation of the kinetic gas equation. Ideal and Non ideal gases, Deviation of real gases from ideal behaviour, compressibility factor, causes of deviation. Van der Waals equation of state for real gases. Explanation of real gas behaviour by Van der Waal's equation, Boyle temperature (derivation not required). Critical Phenomena: PV-isotherms of real gases (Andrew's isotherms), Continuity of state, Critical constants and their calculation from vander Waals equation. Maxwell Boltzmann distribution laws of molecular velocities and molecular energies (graphic representation – derivation not required) and their importance. Temperature dependence

of these distributions. Most probable, average and root mean square velocities (no derivation). Numerical Problems.

Unit- IV. Chemical Kinetics (07)

Introduction, Rate of reaction, Definition and units of rate constant, Factors affecting rate of reaction. (Nature of reactant, Concentration, pressure, temperature and catalyst.) Order and Molecularity of reaction, Zero order reaction, First order reaction, Characteristics of first order reaction.examples, Pseudo-unimolecular reactions,examples. Second order reaction: Derivation of rate constant for equal and unequal concentration of the reactants. Characteristics of Second order reaction., Determination of order of reaction by i) integration method ii) graphical method iii) Half life method, Effect of temperature on rate of reaction, Arrhenius equation, Concept of energy of activation.

Theories of Reaction Rates: Collision theory and Activated Complex theory of bimolecular reactions. Comparison of the two theories (qualitative treatment only). Numerical problems.

Reference Books:

1. Principles of Physical Chemistry Puri, Sharma and Pathania, Vishal Publishing House, 44th Edition
2. Advanced Physical Chemistry Gurdeep Raj GOEL Publishing House, 36th Edition
3. Essentials of Physical Chemistry,Bahl , Tuli and Bahl
4. Text Book of Physical Chemistry, Soni and Dharmarha
5. Essentials of Nuclear Chemistry by H J Arnikar, New Age, 4th edition.
6. Mathematical preparation of Physical Chemistry : F. Daniel ,Mc-Graw Hill Book Company Ltd.
7. Elements of Physical Chemistry : S. Glasstone and D.Lewis (D.Van Nostrand Co.Inc)
8. Physical Chemistry : W. J. Moore (Orient Longman)
9. Principles of Physical Chemistry : Maron Prutton
10. University Chemistry : B. H. Mahan (Addision - Weseley Publ. Co.)
11. Chemistry for Degree students(B. Sc. First Year): R L Madan (S. Chand and Company)

B.Sc. I Semester II
DSC-4B-Chemistry Paper IV (Analytical Chemistry)
(Theory Credits:02, Lectures-30)

1. Introduction to analytical Chemistry (06)

1.1 Introduction
1.2 Importance of analysis
1.3 Analytical processes (Qualitative and Quantitative)
1.4 Methods of analysis (Only classification)
1.5 Sampling of solids, liquids and gases
1.6 Errors, types of errors (determinate and indeterminate), methods of expressing accuracy (Absolute and relative error)
1.7 Significant figures, mean, median, standard deviation (Numerical problems expected)

2. Chromatography (06)

2.1 Introduction, Basic Principle of Chromatography, Basic terms, Classification of Chromatography
2.2 Paper Chromatography- Principle, Methodology-types of papers and treatment, sample loading, choice of solvent, development-ascending, descending, circular, location of spots, determination of R_f value, Applications, advantages and disadvantages
2.3 Thin layer chromatography; Principle, Solvent system, stationary phases, preparation of TLC plate, Detecting reagents, methodology-sample loading, development, detection of spot, R_f value, Applications, advantages and disadvantages
2.4 Comparison of paper chromatography and TLC

3. Theory of titrimetric Analysis (06)

3.1 Introduction
3.2 Acid-base indicators
3.3 Theory of indicators w.r.t. Ostwald's ionization theory and quinoid theory
3.4 Neutralization curves and choice of indicators for
   a. Strong acid-strong base
   b. Strong acid-weak base
   c. Strong base-weak acid
3.5 Complexometric titrations
   a. Introduction
   b. Types EDTA titrations
   c. Metallochromic indicators-Eriochrome black- T
   d. Indicator Action of Eriochrome black- T

4. Water Analysis (06)

4.1 Physical analysis of water – pH, Conductance, Colour, odour, Turbidity and taste

4.2 Chemical Analysis – Total Dissolved solids , Hardness, Salinity, Alkalinity, Acidity, Sulphates, Nitrates, Dissolved Oxygen, Chemical Oxygen Demand, Biological Oxygen Demand

5. Analysis of Fertilizers (06)

5.1 Introduction

5.2 Types of fertilizers

5.3 Necessity and requirements of good fertilizers

5.4 Sampling and sample preparation

5.5 Analysis of Nitrogen by Kjeldahl's method

5.6 Analysis of Phosphorus by phosphomolybdate method

5.7 Analysis of Potassium by sodium tetraphenyl borate method

References:

1. Textbook of quantitative Inorganic analysis-A.I. Vogel
2. Instrumental methods of Chemical analysis-H. Kaur
3. Instrumental methods of Chemical analysis-B.K. Sharma
4. Instrumental methods of Chemical analysis-Chatwal Anand
5. Fundamental of analytical Chemistry-Skoog and West
6. Basic Concepts of analytical Chemistry-S.M. Khopkar
7. Analytical Chemistry-Alka Gupta (Pragati Prakashan)
8. Indian Pharmacopoeia
9. Chromatography-H. Kaur
10. Chemistry for Degree students(B.Sc. First Year): R. L. Madan (S. Chand and Company)

B.Sc. I Semester I and II
Practical Course

(Credits 02: Lectures-04per week)

A) Inorganic Chemistry (Any Six)

1. To prepare standard 0.1 N $KMnO_4$ solution and to determine the strength of given oxalic acid solution.
2. To determine quantity of Fe(II)ions from the given solutions by titrating it with 0.1 N $K_2Cr_2O_7$ solution by using internal indicator
3. To estimate amount of Cu (II) ions by iodometric titration by using $Na_2S_2O_3$ solution.
4. To standardize supplied EDTA solution by titrating with 0.01 M $ZnSO_4$ solution and to estimate amount of calcium from given solution by using Erio-T as an indicator.
5. Quality control-To determines percentage purity of the given sample of soda ash $Na_2CO_3$by titrimetric method.
6. Estimation of amount of Acetic acid from the given vinegar sample by titrimetric method
7. Chromatography : Separation and identification of cations by Paper Chromatographic technique from the following mixtures :

   a) Ni^{2+}+ Cu^{2+}

   b) Ni^{2+}+ Co^{2+}

B) Organic Chemistry

1. **Estimations** (any two) :
   1. Estimation of aniline. (by bromination method)
   2. Estimation of acetamide.
   3. Estimation of Aspirin.

2. Organic Qualitative Analysis: Detection of physical constant, type, functional group, elements, and Confirmatory test.

   Identification of Organic Compounds (at least eight) (four containing at least one extra element- N, S, Cl. Br, I)

a) Acids: Oxalic acid, Benzoic acid, cinnamic acid

b) Phenols: Beta-Naphthol, Resorcinol

c) Base: Aniline, p-Nitroaniline

d) Neutral: Acetone, Acetanilide, Chloroform, m-Dinitrobenzene, Thiourea, Bromobenzene

3. Purification of organic compounds by crystallization (from water and alcohol) and distillation.

References:

1) Vogel's Text Book of Quantitative Chemical Analysis. (Longmann) ELBS Edition.

2) Vogel's Text Book of Qualitative Chemical Analysis. (Longmann) ELBS Edition.

3) Hand book of Organic Qualitative Analysis : Clarke.

4) Comprehensive Practical Organic Chemistry – Qualitative Analysis by V. K. Ahluwalia, Sunita Dhingra. University Press. Distributor – Orient Longman Ltd.

5) Comprehensive Practical Organic Chemistry preparation and Quantitative Analysis : V. K. Ahluwalia, Renu Aggarwal. University Press. Distributor – Orient Longman Ltd.

6) A Laboratory Hand - Book of Organic Qualitative Analysis and Separation : V. S. Kulkarni. Dastane Ramchandra & Co. Pune

C) Physical Chemistry

Physical Chemistry (Any Six)

1. Determination of equivalent weight of Mg by Eudiometer.
2. Study of specific reaction rate of hydrolysis of methyl acetate in presence of HCl.
3. Determination of heat of ionization of weak acid by using polythene bottle.
4. Determination of heat capacity of calorimeter for different volumes.
5. Determination of enthalpy of neutralization of hydrochloric acid with sodium hydroxide.
6. Determination of integral enthalpy of solution of salts (KNO_3, NH_4Cl).
7. Determination of enthalpy of hydration of copper sulphate.
8. Study of the solubility of benzoic acid in water and determination of ΔH.

References:

1) Practical book of Physical Chemistry: Nadkarni, Kothari & Lawande.

2) Experimental Physical Chemistry: A. Findlay.

3) Systematic Experimental Physical Chemistry: S. W. Rajbhoj, Chondhekar. (Anjali Publication.)

4) Experiments in Physical Chemistry: R. C. Das and B. Behra. (Tata Mc Graw Hill)

5) Advanced Practical Physical Chemistry: J. B. Yadav (Goel Publishing House.)

6) Practical Physical Chemistry: B. D. Khosala. (R. Chand & Sons)

7) Experiments in Chemistry: D. V. Jahagirdar.

8) A Text Book of Quantitative Inorganic Analysis Including Elementary Instrumental Analysis: A.I. Vogel (Third Ed.) (ELBS)

SHIVAJI UNIVERSITY, KOLHAPUR.

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Revised Syllabus For

Bachelor of Science

Part-II

Chemistry

CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.

B.Sc.Part II (CBCS) Sem III

Paper No. DSC- C3 - Chemistry paper No. V (Physical Chemistry)

(Theory Credits: 02 : 30 hours, 38 lectures)

Name of the Topics	Expected Learning Outcome
1 Electrolytic Conductivity	Learning and understanding conductivity and transport number of the aqueous solutions with different applications.
2 Physical Properties of Liquids	Knowledge about surface tension, viscosity and refractive index will be gained by the student
3 Surface Chemistry	Learning and understanding surface phenomena at heterogeneous surfaces
4 Nuclear Chemistry	Learning the various Nuclear phenomena and measurement of nuclear radiations
5 Chemical Kinetics	Learning and understanding the knowledge about third order reaction and theories of reaction rates

Unit- I Electrolytic Conductivity (16L)

Introduction, Types of conductors, Conductivity, Equivalent and Molar conductivity and their variation with dilution for weak and strong electrolytes in aqueous solution. Equivalent conductivity at infinite dilution, Measurement of conductance by using Wheatstone bridge. Kolharausch law of independent migration of ions and its applications such as Ionic mobility, determination of degree of ionization of weak electrolyte, solubility and solubility products of sparingly soluble salts, ionic product of water, hydrolysis constant of salt. Conductometric titrations (only acid base titrations). Advantages of conductometric titrations.

Transference number, Hittorf's rule, determination of transport number using Moving boundary method, factors affecting transport numbers. Numerical problems.

Unit- II Physical Properties of Liquids (6L)

Introduction, Classification of physical properties, Surface tension and its determination using Stalagmometeric and differiential capillary rise methods, Viscosity and its determination using Ostwald's viscometer, Refractive index (Snell's law), Specific and Molecular refractivies and its determination using Abbe's refractometer.

Unit – III Surface Chemistry (7L)

Introduction, Adsorption as a surface phenomenon, Defination of adsorption, adsorbent, adsorbate, absorbent. factors affecting adsorption, Types of adsorption, Distinction between physical and chemical adsorption, Adsorption isotherms: Freundlich adsorption isotherm, Langmuir adsorption isotherm. Types of physical adsorption isotherms, applications of adsorption.

Unit – IV Nuclear Chemistry (5L)

Introduction, Types of Nuclear radiation, properties of α, β and γ radiations , Detection and measurement of nuclear radiations by Scintillation and Geiger muller counter methods, radioactive equilibrium and range of α- particles, Geiger Nuttal relations ,determination of radioactive constant (decay constant).

Unit --V Chemical Kinetics (4L)

Introduction, Third order reactions: derivation of rate constant, characteristics and examples of third order reaction. Theories of reaction rates as Collision theory and Transition state theory (only quantitative aspect, derivation not expected),

Reference Books:

1) Barrow, G.M. Physical Chemistry Tata McGraw-Hill (2007).
2) Castellan G.W. Physical Chemistry 4 th Ed. Narosa (2004).
3) Kotz, J.C. Treichel, P.M.& Townsend,J.R.General Chemistry, Cengage Learning India Pvt Ltd: New Delhi (2009).
4) Mahan ,B.H. University Chemistry, 3rd Ed. Narosa (1998).
5) Petrucci, R.H. General Chemistry, 5th Ed., Macmillan Publishing Co,: New York (1985).
6) Elements of Physical Chemistry S., Glasstone, D. Lewis.(2010)
7) Principles of physical Chemistry Marron and Prutton. (2007).
8) Elements of Physical Chemistry P.W.Atkins (2017)
9) Essentials of Physical Chemistry Bahl and Tuli. S. Chand, 2010.
10) Physical Chemistry Danials and Alberty (2016)
11) University General Chemistry C.N.R.Rao (2016)
12) Principals of Physical Chemistry Puri, Sharma and Pathania 47Th Edison, Vishal Publishing Co. Daryaganj Delhi. 110002 (2017)
13) Physical Chemistry A.J.Mee.(2015)
14) Advanced Physical Chemistry Gurudeep Raj (2017)
15) Physical Chemistry R.A.Aleberty.(2017-18)
16) Petrucci, R.H. *General Chemistry* 5th Ed. Macmillan Publishing Co.: New York (1985).

B.Sc.Part II (CBCS) Sem III

Paper No. DSC-C4- Chemistry paper No. VI (Industrial Chemistry)

(Theory Credits: 02 : 30 hours, 38 lectures)

Expected learning Outcomes :

Name of the topic	Expected Learning Outcome
1.Basic concepts in Industrial Chemistry	a.Learning and Understanding basic concepts and concentration terms b.Distinguish between classical and industrial chemistry c. Distinguish between unit operations and unit processes
2. Unit Operations	Knowledge of some unit operations
3.Corrosion and Electroplating	Understanding the process of corrosion and Knowledge of prevention from corrosion
4.Paper Industry	Knowledge of Indian paper industry
5.Soap and Detergents	Knowledge about the chemical nature and cleansing action of soap

Unit I Basic Concepts in Industrial Chemistry(10)

The difference between classical chemistry and industrial chemistry, Raw material for the Chemical Industry,Material Safety data sheets,Units that make up a chemical process-unit operation and unit processes, Flow Diagrams,Block Diagram, Process flow diagram / flow sheets, Material Balances-The purpose of mass balance calculations,Material Balance Equations,Mass balance calculation procedure and simple example

Definition and Explanation of terms -Normality, Equivalent weight, Molality, Molecular weight,Molarity, Molarity of mixed solution, Acidity of base, Basicity of acid,ppt, ppm, ppb solutions, Mole Fraction, Weight fraction, Percentagecomposition by W/W, W/V, V/V, Problems based on Normality, Molarity, mole fraction, mixed solution, etc.

Unit II Unit Operations(06)

Size reduction- Principle,Jaw crusher,ball mill

Size Enlargement –Principle,Pellet mill,tumbling agglomerators

Separation – Magnetic separation,Froth flotation,Distillation-Distillation of liquid mixtures, Types of distillation, Types of columns and packings, Condensers, Vacuum distillation, Spinning-banddistillation, Steam distillation.

Unit III. Corrosion and Elecroplating (09)

Introduction of corrosion, Electrochemical theory of corrosion,Factors affecting on corrosion -i. Position of metals in the electrochemical series on the basis of standard reduction potential ii. Purity of metal iii. Effect of moisture iv. Effect of oxygen (differential aeration principle) v. Hydrogen overvoltage, Methods of protections of metals from corrosion, Electroplating: Electrolysis, Faraday's laws, Cathode current Efficiency, Basic principles of electroplating, Cleaning of articles, Electroplating of chromium, Anodising

Unit IV Paper Industry (06)

Manufacturing of Pulp,Types of pulp-Sulphate and soda ,Manufacturing of paper, calendaring ,ecological problems of Indian Paper industry, Features of good paper industry

UnitVSoaps and Detergents (07)

Introduction, Soaps - Raw materials, Types of soaps, Cleansing action of soap, Manufacture of soap - Boiled or Hot Process, Detergents - Raw Materials, Types of Detergents: Anionic, cationic and amphoteric, Preparation of Teepol and Deriphat, Comparisons between soaps and detergents.

Reference Books:

1) Principles of Physical Chemistry by Puri, Sharma and Pathania, VishalPublishing company Jalindhar
2) Essential of Physical Chemistry by Bahl B.S., Tuli G.D. and BahlArun, S.Chand and Company Ltd.New Delhi
3) Modern Analytical Chemistry By David Harvey, McGRAW-Hill InternationalEdition, 2000
4) Industrial chemistry by B.K.Sharma, Goel Publishing Housing, 16th edition2011
5) Advanced Inorganic Chemistry, Vol.No.1, by Gurudeep Raj, Krishna Prakashan
Media Ltd, Goel Publication, Meerut
6) Analytical chemistry by B.K.Sharma, Krishna Prakashan Media Ltd, Meerut,edition 3rd 2011
7)Principles of electroplating and electroforming by Blum and Hogaboom
8)Chemical Process Industries by Shreve and Brink
9)Indusrial Chemistry by LoutfyMadkor and Helen Njenga
10) Elementary Principles of Chemical Processes by Richard Felder and Ronald Rousseau,John Wiley and Sons

B.Sc.Part II (CBCS) Sem IV

Paper No. DSC-D3- Chemistry paper No. VII (Industrial Chemistry)

(Theory Credits: 02 : 30 hours, 38 lectures)

Expected learning Outcomes :

Name of the topic	Expected Learning Outcome
1.Co-ordination Chemistry	.Learning and Understanding basic concepts about coordination complexes
2. Chelation	Knowledge about application of chelates in analytical chemistry.
3. P- Block elements	Understanding the properties of P – block elements
4. Chemistry of elements of 3d series elements	Student will be capable of understanding the properties of 3d series elements
5 Inorganic semi-micro qualitative analysis	Student will learn the basic knowledge about the qualitative analysis of inorganic compounds

Unit 1: Co-ordination chemistry (10)

1.1 Introduction-Definition and formation of co-ordinate covalent bond in $BF_3 – NH_3$,$[NH_4]^+$ and H_2O
1.2 Distinguish between double salt and complex salt
1.3 Werner's theory-
1.3.1. Postulates
1.3.2. The theory as applied to cobalt amines viz. $CoCl_3.6NH_3$, $CoCl_3.5NH_3$, $CoCl_3.4NH_3$, $CoCl_3.3NH_3$
1.4 Description of the terms- ligand, co-ordination number, co-ordination sphere, Effective atomic number
1.5 IUPAC nomenclature of coordination compounds.
1.6 Isomerism in complexes with C.N. 4 and 6
1.6.1 Geometrical Isomerism
1.6.2 Optical Isomerism
1.6.3 Structural Isomerism-Ionisation Isomerism, Hydrate Isomerism, Coordination Isomerism, Linkage Isomerism and Co-ordination position Isomerism
1.7 Valance bond theory of transition metal complex with respect to, C.N. 4, complexes of Cu and Ni C.N. 6 complexes of Fe and Co

Unit 2: Chelation (05)

2.1 A brief introduction with respect to ligands, chelating agent, chelation and metal chelates.
2.2 Structural requirements of chelate formation
2.3 Difference between metal chelate and metal complex
2.4 Classification of chelating agents (with specific illustration of bidentate chelating agents)
2.5 Application of chelation with respect to chelating agents - EDTA and DMG

Unit-3. P- Block elements (Group 13, 14 and 15) (09)

3.1. Position of elements in periodic table
3.2. Characteristics of p-block elements with special reference to Electronic configuration and Periodic properties
3.3. Compounds of group 13,14 and 15
3.3.1 Boron-Diborane method of preparation and nature of bonding (structure)
3.3.2 Borazine method of preparation and nature of bonding (structure)
3.3.3 Allotropes of carbon and phosphorus
3.3.4 Oxyacids of nitrogen – HNO_2 , HNO_3.
3.3.5 Hydrides of Nitrogen- NH_3 and N_2H_4

Unit 4: Chemistry of elements of 3d series elements (06)

4.1 Position of elements in periodic table
4.2 Characteristics of d-block elements with special reference to
i) Electronic structure
ii) Oxidation states, stability of oxidation states of Fe with respective to Latimer diagram
iii) Magnetic character
iv) Colored ions
v) Complex formation.

Unit-5. Inorganic semi-micro qualitative analysis (08)

5.1 Theoretical principles involved in qualitative analysis.
5.2 Applications of solubility product and common ion effect in separation of cations into groups.
5.3 Application of complex formation in
a) Separation of II group into IIA and IIB sub-groups.
b) Separation of Copper from Cadmium.
c) Separation of Cobalt from Nickel.
d) Separation of Cl^-, Br^-, I^-.
e) Detection of NO_2^-, NO_3^- (Brown ring test).
5.4 Application of oxidation and reduction in
a) Separation of Cl^-, Br^-, I^- in mixture b) Separation of NO_2^- and NO_3^- in mixture.
5.5 Spot test analysis.

Reference Books :

1. Inorganic chemistry, Principles of structure and reactivity by J.E. Huheey and etal
2. Inorganic Chemistry by Shriver and Atkins 5 th edition
3. Vogels text book of Qualitative Inorganic analysis by A. I. Vogel .3 rd and 6th edition
4. Advanced Inorganic Chemistry by Agrawal Keemtilal (Pragati Prakashan)
5 Theoretical Inorganic chemistry by C.Day & J.Selbin IInd edition
6. Principles of inorganic chemistry by Puri Sharma & Kalia
7. Modern Inorganic chemistry by R.D.Madan (S.Chand)
8. Inorganic Chemistry by J.D.Lee
9. Basic Inorganic Chemistry by F.A.Cotton,G.Wilkilson & B.L.Gaus wiley
10. Chemistry for Degree students by R.L.Madan (S.Chand Publication)

B.Sc.Part II (CBCS) Sem IV

Paper No. DSC- D4 - Chemistry paper No. VIII (Organic Chemistry)

(Theory Credits: 02 : 30 hours, 38 lectures)

Expected learning Outcomes :

Name of the topic	Expected Learning Outcome
Carboxylic acids and their derivatives.	To impart knowledge about the synthesis, reactivity and applications of carboxylic acids.
Amines and Diazonium Salts	Knowledge about classification, preparation and applications of amines and diazonium salts.
Carbohydrates	Understanding the classification, configuration and structure of carbohydrates.
Carbonyl Compounds- Aldehydes and Ketone	Student will be capable of understanding the nomenclature and reactivity of aldehydes and ketones.
Stereochemistry	Student will learn the basic knowledge conformational analysis of organic compounds

Unit 1: Carboxylic acids and their derivatives. [8L]

1.1 Monocarboxylic acid: Introduction, Methods of Formation from Alcohols, Aldehydes, Ketones, Nitriles and Alkyl benzenes.
Chemical Reaction: Hell-Vohlard-Zelinsky (HVZ) reaction.
1.2 Formation of Halo Acids, Mono, Di, Tri- chloro acetic acid.
Substitution reaction of Monochloro acetic acid by Nucleophile OH^-, I^-, $CN^-$and NH_3
1.3 Hydroxy acids: Malic and Citric acid
Methods of formation of Malic acid from maleic acid, from Alpha bromo succinic acid and moist Ag_2O.
Chemical Reactions: Reactions of Malic acid- Action of heat, oxidation by $KMnO_4$ and reduction reaction with HI.
Uses of Malic acid
Method of formation of Citric acid from glycerol.
Chemical Reactions: Reaction of citric acid: acetylation by acetic anhydride, reduction by HI, action of heat.
Uses of citric acid.
1.4 Unsaturated acid: Cinnamic acid: method of formation from benzaldehyde using diethyl malonate and by using acetic anhydride and sodium acetate.
Chemical Reactions- Bromination, Oxidation. Uses of cinnamic acid
Acrylic acid: Method of formation from acrolein and by dehydration of beta hydroxy propionic acid.
Chemical Reactions: Addition of water, Reduction by Na/ C_2H_5OH. Uses of acrylic acid.
1.5 Dicarboxylic acid: Succinic and phthalic acid
Method of formation of succinic acid from ethylene dibromide, maleic acid
Chemical Reactions: Action of heat, Action of $NaHCO_3$, C_2H_5OH in presence of acid.
Uses of succinic acid.
Phthalic acid: Method of formation from o-xylene and Naphthalene
Chemical Reactions: Action of heat, reaction with sodalime, ammonia, uses of phthalic acid.
1.6 Carboxylic acid derivatives: Introduction

Acid halide derivative: Acetyl chloride: formation from acid, by action with PCl_3 and $SOCl_2$, reaction with water, alcohol (Mechanism of esterification is expected) and ammonia.
Uses of acetyl choride.
Acid anhydride derivative: Method of formation of acetic anhydride by dehydration of acetic acid, reactions with water, alcohol and ammonia, uses of acetic anhydride.

Unit 2: Amines and Diazonium Salts: [8L]

2.1Introduction, Classification, Nomenclature, structure.
2.2 Methods of preparation: a) From Alkyl halide by Amonolysis, b) By Reduction of Nitriles or Cyanides, c) From Unsubstituted amides (Hoffmann degradation), d) By Gabrial Synthesis (From Phthalamide).
2.3 Reactions: Carbylamine reaction, Schotten-Baumann reaction, Electrophilic substitution (Aniline), Nitration, Bromination, Sulphonation.
2.4 Diazonium salt:Introduction, Preparation of Benzene diazonium chloride.
2.5 Reactions: Replacement by Halogen(Sandmeyer), Replacement by Iodine, Replacement by –OH, C and N Coupling reactions: Synthesis of Methyl orange and Congo red.Reduction of BDC.

Unit 3: Carbohydrates [8L]

Classification of carbohydrates, reducing and non-reducing sugars, General properties of glucose and fructose, their open chain structure. Epimers, mutarotation and anomers.
Determination of configuration of Glucose (Fischer proof). Ring structure of glucose Determination of size of the ring of Glucose by methylation method..Haworth projections.Cyclic structure of fructose.Linkage between monosachharides, structure of disacharrides (sucrose, maltose, lactose) andpolysacharrides (starch and cellulose) excluding their structure elucidation.

Unit 4: Carbonyl Compounds- Aldehydes and Ketone [6L]

4.1 Introduction, Nomenclature, structure.
4.2 Reactivity of Carbonyl group, mechanism of Nucleophilic addition to Carbonyl group
4.3 Reactions: mechanism and application of Aldol condensation, Perkin reaction, Cannizaros reaction, Knoevenagel condensation, *Reformatsky* reaction.

Unit 5: Stereochemistry [8L]

5.1 Conformational isomerism – Introduction.
5.2 Representation of conformations of ethane by using Saw- Horse, Fischer (dotted line wedge) and Newmann's projection formulae.
5.3 Conformations and conformational analysis of ethane and n-butane by Newmann's Projection formula with the help of energy profile diagrams.
5.4 Cycloalkanes relative stability - Baeyer's strain theory, Theory of strainless rings.
5.5 Conformations and stability of cyclohexane and monosubstituted cyclohexanes Cyclohexanol, bromocyclohexane and methyl cyclohexane.
5.6 Locking of conformation in t-butyl cyclohexane.

Reference Books:
1. Morrison, R. T. & Boyd, R. N. *Organic Chemistry*, Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).
2. Stereochemistry conformation & Mechanism, 9th Edition, By P.S.Kalasi, Publisher: New Age International, 2017
3. Stereochemistry of carbon compounds by Eliel..
4. Stereochemistry of Organic Compounds by D. Nasipuri.
5. Finar, I. L. *Organic Chemistry* (*Volume 1*), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).
6. Finar, I. L. *Organic Chemistry* (*Volume 2)*, Dorling Kindersley (India) Pvt. Ltd.
7. Organic Chemistry. Volume I, II, III by S.M. Mukharjee, S.P. Singh and R.P. Kapoor. Wiley Eastern Limited (New Age International)
8. Advanced Organic Chemistry by, B.S. Bahl, ArunBahl. S.Chand& Company, Ltd.
9. Chemistry by R.L.Madan, S.Chand and Company Ltd.

B. Sc II Practical Course
Total Marks 100
(Credits: 04)

Inorganic Chemistry (Marks 35)

1) Gravimetric Analysis (Any two)

i) Gravimetric estimation of iron as Fe_2O_3 from a solution containing Ferrous ammonium sulphate and free sulphuric acid.

ii) Gravimetric estimation of barium as $BaSO_4$ from a solution containing barium chloride and free hydrochloric acid.

iii) Gravimetric estimation of nickel as $Ni(DMG)_2$ from a solution containing $NiSO_4.7H_2O$ and free sulphuric acid

IV) Gravimetric estimation of aluminium as Aluminium oxinate from a solution containing aluminium sulphate or potash alum and free sulphuric acid.

2) Inorganic Preparations (Any two)

i) Preparations of sodium cuprous thiosulphate

ii) Preparation of tris (ethylene diamine) nickel (II) thiosulphate

iii) Preparation of hexammine nickel (II) chloride

3) Titrimetric Analysis (Any four)

(Calibration of burette, pipette and volumetric flask is essential)

i) Fertilizer analysis : To determine percentage of nitrogen in the given sample of a nitrogenous fertilizer (ammonium sulphate). Known weight of the sample to be taken by the student. For preparing its solution which is to be refluxed with known excess of alkali. Standard HCl solution to be supplied.

ii) Analysis of Synthetic /Commercial Sample : To estimate Magnesium from talcum powder.

iii) Determination of total hardness of water using 0.01M EDTA solution.

(Students should standardize the given EDTA solution by preparing 0.01M $CaCl_2$ solution. using $CaCO_3$ salt.)

iv) Determination of alkali content from antacid tablet using HCl solution .

v) Vinegar Analysis : To estimate amount of acetic acid from vinegar sample

Vi) Estimation of Calcium from chalk : To estimate amount of calcium from the chalk by titrimetric method. (By redox titration using $KMnO_4$ solution)

(Note : These experiments are performed by preparing calibrated sets of burettes, pipettes and volumetric flasks.)

4) Semi-micro qualitative analysis

Analysis of binary mixtures with non interfering cations and anions (at least 6 mixtures to be analyzed)

i) Following anions are to be given :

Cl^-, Br^-, I^-, NO_3^-, CO_3^{--}, SO_4^{--} , S^{--}, BO_3^{---}(insoluble CO_3^{--}, , S^{--}, BO_3^{---} may be given)

ii) Following cations are to be given :

Cu^{+2},Cd^{2+}

Al^{+3}, Fe^{+3}, Cr^{+3}.

Zn^{+2}, Mn^{+2}, Ni^{+2}, Co^{+2}.

Ca^{+2}, Ba^{+2}.

Mg^{+2}.

NH_4^+, K^+

Note:-Use of spot tests to be made whenever possible.

Reference Books:

1. Vogel's text book of Qualitative Inorganic analysis by A. I. Vogel .3 rd and 6th edition
2. Vogel's text book of Quantitative Inorganic Chemistry by A. I. Vogel.
3. Physical Chemistry of Inorganic qualitative analysis by Kuricose & Rajaram.
4. Practical manual in water Analysis by Goyal & Trivedi.

5. Basic Concepts in Analytical Chemistry by S. M. Khopkar. Wiley Eastern Ltd.
6. Practical Chemistry, Physical , Inorganic , Organic and Viva voce by Balwant Rai Satija. Allied Publishers Private Limited.
7. College Practical Chemisty by H. N. Patel, S. R. Jakali, H. P. Subhedar, Miss. S. P. Turakhia. Himalaya Publishing House, Mumbai.
8. College Practical Chemistry by Patel, Jakali, Mohandas, Israney, Turakhia.

Organic Chemistry Practical's (Marks 30)

A) **Organic Qualitative Analysis**

Identification of at least **Eight** Organic compounds with reactions including two from acids, two from phenols, two from bases and two from neutrals.

Acids – Succinic acid, Phthalic acid, Salicylic acid, Aspirin.

Phenols – Alpha-Naphthol, o-nitrophenol, p-nitrophenol.

Bases – o-,m- and p-nitroanilines, Diphenyl amine.

Neutrals – Urea, Acetanilide, Carbon tetrachloride, Bromobenzene, Methyl acetate, Nitrobenzene, Naphthalene, Anthracene, Acetophenone, Ethyl methyl ketone.

Note : A systematic study of an organic substance involves reactions in the determination of elements and functional group.

B) **Organic Quantitative Analysis**

I) **Estimations**

1) Estimation of ester.
2) Estimation of acetone.
3) Estimation of vitamin C.

II) **Organic preparations**

1) p-nitro acetanilide from acetanilide.
2) Acetanilide from aniline using anhydrous $ZnCl_2$ and Zn dust.
3) Phthalimide from phthalic anhydride.
4) Benzoic acid from benzamide.

iii) **Demonstration of Thin layer chromatography**. Separation, identification and determination of R_f values

Reference Books :

1. Practical Organic Chemistry by A.I. Vogel.
2. Hand book of Organic qualitative analysis by H.T. Clarke.
3. A Laboratory Hand Book of Organic qualitative analysis and separation by V.S. Kulkarni. Dastane Ramchandra& Co.
4. Practical Organic Chemistry by F.G. Mann and B.C. Saunders. Low – priced Text Book. ELBS. Longman
5. Advanced Practical Organic Chemistry by N.K. Vishnoi. Vikas Publishing House Private Limited.
6. Advanced practical chemistry by J. Singh, L. D. S. Yadav, R. K. P. singh, I. R. Siddiqui et.al, Pragati prakashan.

Practicals Physical chemistry (Marks 25 + Journal 10)

1) To study the hydrolysis of methyl acetate in presence of HCl and H_2SO_4 and to determine the relative strength of acids.
2) To study the effect of acid strength on hydrolysis of an ester by using 0.5M HCl and 0.25M HCl.
3) To study the reaction between potassium persulphate and potassium iodide in solution with equal concentration of the reactants.
4) To study the reaction between potassium persulphate and potassium iodide in solution with unequal concentration of the reactants.
5) To determine the degree of dissociation and dissociation constant of acetic acid at various dilutions and to verify Ostwald's dilution law conductmetrically.
6) To determine the normality of the given strong acid by titrating it against the strong alkali conduct metrically.
7) To determine the normality of the given weak acid by titrating it against the strong alkali conductometrically.
8) To determine the percentage composition of a given liquid mixture by viscosity method (Density data to be given).

9) To determine the specific and molar refractions of benzene, toluene and xylene by Abbe's Refractometer and to determine the refraction of CH_2 Group (Methylene group) (Densities should be determined by students).
10) To determine the specific rotation and unknown concentration of sugar solution.

Reference Books: -

1) Mendham, J.Vogel's Quantitative Chemical Analysis, Pearson 2009.

2) Khosla,B.D.; Garg, V.C. &Gulati, A. Senior Practical Physical Chemistry, R. Chand & Co: New Delhi (2011).
3) Findlay' Practical Physical Chemistry (Longmann) 2015.
4) Practical Physical Chemistry: Gurtu (S. Chand) 2014.
5) Systematic Experimental Physical Chemistry: Rajbhoj, Chandekar (Anajali Publication) 2016.
6) Advanced Practical Physical Chemistry: J.B.Yadav (Goel Publishing House) 2015.

B.Sc. II Revised Syllabus 2018-19
Sem.III & IV Nature of Question paper
Total Marks 50

Q.1 a. Answer the following in one sentence. 5
i)
ii)
iii)
IV)
V)
b. Choose the correct alternative and rewrite the sentence again 5
I)
II)
III)
IV)
V)
Q.2. Attempt any TWO of the following (Out of FOUR) 20
a)
b)
c)
d)
Q.3. Answer any FOUR of the following (Out of SIX) 20
a)
b)
c)
d)

e)
f)

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.Sc Part- III

Chemistry

Syllabus to be implemented from

June, 2020 onwards.

INTRODUCTION

This syllabus is prepared to give the sound knowledge and understanding of chemistry to undergraduate students at last year of the B.Sc. degree course. The goal of the syllabus is to make the study of chemistry as stimulating, interesting and relevant as possible. The syllabus is prepared by keeping in mind the aim to make students capable of studying chemistry in academic and industrial courses and to expose the students, to develop interest in them in various fields of chemistry. The new and updated syllabus is based on disciplinary approach with vigour and depth taking care the syllabus is not heavy at the same time it is comparable to the syllabi of other universities at the same level. The syllabus is prepared after discussions of number of faculty members of the subject and by considering the existing syllabi of B.Sc. Part-I, II & III, new syllabi of XI^{th} & XII^{th} standards, syllabi of NET and SET exams. U.G.C. model curriculum, syllabi of different entrance examination and syllabi of other Universities.

The units of the syllabus are well defined and the scope is given in detail. The periods required for units are given. The lists of reference books are given in detail.

OBJECTIVES

1. To promote understanding of basic facts and concepts in Chemistry while retaining the excitement of Chemistry
2. To make students capable of studying Chemistry in academic and Industrial courses and to expose the students to different processes used in Industries and their applications.
3. To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.
4. To develop problem solving skills in students.
5. To developed ability and to acquire the knowledge of terms, facts, concepts, processes, techniques and principles of subjects.
6. To develop ability to apply the knowledge of contents of principles of chemistry.
7. To inquire of new knowledge of chemistry and developments therein.
8. To expose and to develop interest in the fields of chemistry
9. To develop proper aptitude towards the subjects
10. To develop the power of appreciations, the achievements in Chemistry and role in nature and society.
11. To develop skills required in chemistry such as the proper handling of appara tus and chemicals

Shivaji University, Kolhapur
B.O.S. in Chemistry
B.Sc. Part – III
Semester CBCS Syllabus
To be implemented from June – 2020

Equivalence

Sr. No.	Title of old paper (Syllabus implemented from June-2015)	Title of new paper (To be implemented from June-2020)
1	Paper – IX & XIII Physical Chemistry	Paper IX DSE-E5 and XIII DSE-F5 Inorganic Chemistry
2	Paper – X & XIV: Inorganic Chemistry	Paper- X DSE-E6 and XIV DSE-F6 Organic Chemistry
3	Paper-XI & XV: Organic Chemistry	Paper XI DSE-E7 and XV- DSE-F7 Physical Chemistry
4	Paper-XII & XVI: Analytical & Industrial Chemistry	Paper XII-DSE-E8 and XVI DSE-F8: Analytical & Industrial Chemistry

A repeater candidate, if any, will be allowed to appear for practical examination as per old course up to March / April 2021 examination.

List of Laboratory Equipments

Apparatus & Equipments

1. Digital balance with 1 mg accuracy
2. Conductometer
3. Potentiometer
4. pH Meter
5. Polarimeter
6. Colorimeter
7. Thermostat
8. Electric Oven
9. Suction Pump
10. Crucible Heater
11. IR Lamp
12. Magnetic stirrer
13. Buckner funnel
14. Water bath / Thermostat.
15. Platinum electrode
16. Glass electrode
17. Silver, Zinc, Copper electrodes
18. Conductivity cell
19. Distilled water plant.
20. Refractometer
21. Freeze
22. Deep Freeze
23. H_2S Apparatus
24. Muffle Furnace
25. Magnetic Stirrer

Glassware & Porcelain ware:

1. Burette (25/50 ml)
2. Micro burette (10 ml)
3. Pipette (5 ml,10 ml,25ml)
4. Graduated Pipette (1/2/5/10 ml)
5. Conical flask(100 ml, 250 ml)
6. Beakers (100 ml, 250 ml, 500 ml)
7. Volumetric flask (25ml,50 ml,100 ml, 250 ml)
8. Gooch Crucible / Sintered glass Crucible
9. Silica Crucible
10. Watch glass
11. Glass tubing
12. Glass Funnel (3")
13. Gas jar
14. Glass rod
15. Test Tubes (12 x100, 5x5x8)
16. Evaporating dish
17. TLC Unit
18. Measuring cylinder
19. Thile's tubes
20. Fusion Tube
21. Capillary tube
22. Stopper bottle
23. Thermometer ($1/10^{o}$, 360^{o})
24. Water condenser
25. Distillation flask (100 ml/ 250 ml)
26. Titration tiles.
27. Asbestos sheet.
28. Desiccators
29. Clay pipe triangle

Iron & Wooden ware:

1. Burners
2. Tripod stand
3. Iron stand
4. wire gauze
5. Burette stand
6. Test tube stand
7. Pair of tongs
8. Test tube holder
9. Spatula
10. Copper foil

Chemicals: All the chemicals required for experiments are mentioned in the syllabus.

Others:

1. Filter papers (Kalpi)
2. Whatman Filter paper No. 1, 40, 41 and 42.

Lab Safety Precautions / Measures in Chemistry Laboratory:

Part-I: Personal Precautions

1. All personnel must wear safety Goggles at all times.
2. Must wear the Lab. Aprons / Lab jacket and proper shoes.
3. Except in emergency, an over-hurried activity is forbidden.
4. Fume cupboard must be used whenever necessary.
5. Eating, Drinking and Smoking in the laboratories strictly forbidden.

Part-II: Use of safety and Emergency Equipments –

1. First aid kits.
2. Sand Bucket.
3. Fire extinguishers (dry chemical and carbon dioxide extinguisher).
4. Chemical storage cabinet with proper ventilation.
5. Material safety data sheets
6. Management of local exhaust system and fume hoods.
7. Sign in register if using instruments.

Nature of Theory Question Papers

N.B. The question paper should cover the entire syllabus. Marks allotted to questions should be in proportion to the lectures allotted to respective units.

Papers Semester V: IX-DSE-E5, X-DSE-E6, XI- DSE-E7, XII- DSE-E8,

Semester VI: XIII- DSE-F5, XIV-DSE-F6, XV-DSE-F7 and XVI- DSE-F8

Total Marks 40

Question No.	Details	Marks	Marks of Options
1.	Answer in one sentence (One mark for each question). Multiple choice questions (One mark for each question)	4 4	- -
2.	Long answer type questions (2 out of 3)	20	10
3.	Short answer type questions (3out of 5)	12	08
	Total	40	18

SHIVAJI UNIVERSITY, KOLHAPUR
B.O.S. in Chemistry
B.Sc. Part – III
Semester CBCS Syllabus
To be implemented from June – 2020

General Structure

Theory Examination:

There will be four theory papers of 40 marks each for each semester. Their titles and distribution of marks are as follows.

Semester V : Papers IX-DSE-E5, X-DSE-E6, XI- DSE-E7, XII- DSE-E8,

Semester VI: Papers XIII- DSE-F5, XIV-DSE-F6, XV-DSE-F7 and XVI- DSE-F8

Paper – **IX** DSE-E5, **& XIII** DSE-F5: Inorganic Chemistry – 40 marks

Paper – **X** DSE-E6 **& XIV** DSE-F6**:** Organic Chemistry – 40 marks

Paper – **XI** DSE-E7 **& XV** DSE-F7**:** Physical Chemistry – 40 marks

Paper – **XII** DSE-E8 **&XVI** DSE-F8**:** Analytical and Industrial Chemistry – 40 marks

The duration of each theory paper for examination will be of 2 hours

Internal examination (Oral/Seminar/test/home assignment) will be conducted for 10 marks for each paper.

Practical Examination:

Practical examination will be of 200 marks. The distribution of marks will be as follows:

1. Physical Section : 60 marks
2. Inorganic Section : 65 marks
3. Organic Section : 60 marks
4. Project : 15 marks

Total: 200 marks

The duration of practical examination will be of three days – six and half hours per day.

CHEMISTRY

Semester Syllabus for B.Sc.-III

Theory

1. N. B. Figures shown in bracket indicate the total lectures required for the respective topics.
2. The question paper should cover the entire syllabus. Marks allotted to questions should be in proportion to the lectures allotted to respective topics.
3. All topics should be dealt with S.I. units.
4. Study tour/industrial visit/visit to national institute or research laboratory is prescribed.
5. Use of recent editions of reference books is essential.
6. Use of scientific calculator is allowed.
7. **Values required for spectral problems should be provided in the question paper.**

B.Sc. Part III (CBCS) SEMESTER-V
Paper No. DSE-E5, Chemistry Paper No. –IX
(Inorganic Chemistry)
(Theory Credits: 02, 30 hours, 37 lectures)

Expected Learning Outcomes:

Name of the topic	Expected Learning Outcome
1. Acids bases and Non-aqueous solvents	Useful for the study of role of acids and bases in Chemistry. The study of non –aqueous solvents is important to learn all chemical properties of solutes and from the research point of view.
2. Metal ligand bonding in transition metal complexes	Useful to understand geometry, stability and nature of bonding between metal ion and ligand in complexes.
3. Metals, semiconductors and Superconductors	The topic deals with the synthesis and the applications of the semiconductors and Superconductors in electrical and electronic devices.
4. Organometalic compounds	The structure, method of preparation and the applications of organo metallic compound in various fields are explained.
5. Catalysis	The classification, types, mechanism and applications of catalyst in industrial fields is explained.

Unit 1. Acids, Bases and Non aqueous Solvents [8]

1.1 Introduction to theories of Acids and Bases-Arrhenius concept, Bronsted-Lowry concept, Lewis Concept, Lux-Flood Concept (definition and examples)

1.2 Hard and Soft Acids and Bases. (HSAB Concept)

1.2.1 Classification of acids and bases as hard, soft and borderline.

1.2.2 Pearson's HSAB concept.

1.2.3 Acid–Base strength and hardness-softness.

1.2.4 Applications and limitations of HSAB principle.

1.3 Chemistry of Non aqueous Solvents.

1.3.1 Introduction, definition and characteristics of solvents.

1.3.2 Classification of solvents.

1.3.3 Physical properties and Acid-Base reactions in Liquid Ammonia (NH_3) and Liquid Sulphur Dioxide (SO_2).

Unit 2. Metal Ligand bonding in Transition Metal Complexes [10]

2.1 Crystal field theory (CFT)

2.1.1 Introduction: Shapes of d-orbitals, Basic assumptions of CFT.

2.1.2 Crystal field splitting of d-orbitals of metal ion in octahedral, tetrahedral, square planar complexes and John-Teller distortion.

2.1.3 Factors affecting the Crystal field splitting.

2.1.4 High spin and low spin octahedral complexes w.r.t. Co (II).

2.1.5 Crystal Field stabilization energy (CFSE), Calculation with respect to octahedral complexes only.

2.1.6 Limitations of CFT.

2.2 Molecular orbital theory (MOT).

2.2.1 Introduction.

2.2.2 MOT of octahedral complexes with sigma bonding such as $[Ti(H_2O)_6]^{3+}$,$[CoF_6]^{3-}$, $[Co(NH_3)_6]^{3+}$.

2.2.3 Merits and demerits of MOT.

Unit 3. Metals, Semiconductors and Superconductors. [9]

3.1 Introduction.

3.2 Properties of metallic solids.

3.3 Theories of bonding in metal.

i. Free electron theory.

ii. Molecular orbital theory (Band theory).

3.4 Classification of solids as conductor, insulators and semiconductors on the basis of band theory**.**

3.5 Semiconductors- Types - intrinsic and extrinsic and applications of semiconductors.

3.6 Superconductors: Ceramic superconductors - Preparation and structures of mixed oxide $YBa_2Cu_3O_{7-x}$.

3.7 Applications of superconductors.

Unit.4. Organometallic Chemistry. **[4]**

4.1 Definition, Nomenclature of organometallic compounds.

4.2 Synthesis and structural study of alkyl and aryl compounds of Be and Al.

4.3 Mononuclear carbonyls -Nature of bonding in simple mononuclear carbonyls.:$[Ni(CO)_4]$, $[Fe(CO)_5]$, $[Cr(CO)_6]$.

Unit 5. Catalysis **[5]**

5.1 Introduction

5.2 Classification of catalytic reaction- Homogenous and Heterogeneous

5.3 Types of Catalysis.

5.4 Characteristics of catalytic reactions.

5.5 Mechanism of catalysis.

i. Intermediate compound formation theory.

ii. Adsorption theory.

5.6 Industrial applications of catalysis.

Reference Books:

1. Concise Inorganic Chemistry (ELBS, 5th Edition) – J. D. Lee.
2. Inorganic Chemistry (ELBS, 3rd Edition) D. F. Shriver, P. W. Atkins, C. H.Lang Ford, Oxford University Press, 2nd Edition.
3. Basic Inorganic Chemistry : Cotton and Wilkinson.
4. Advanced Inorganic Chemistry (4^{th} Edn.) Cotton and Wilkinson.
5. Concepts and Models of Inorganic Chemistry : Douglas and Mc. Daniel. 3^{rd} Edition. John Wiley publication.
6. Structural principles in inorganic compounds. W. E. Addison.
7. Theoretical principles of Inorganic Chemistry – G. S. Manku.
8. Theoretical Inorganic Chemistry by Day and Selbine.
9. Co-ordination compounds. SFA Kettle.
10. Essentials of Nuclear Chemistry by H. J. Arnikar.
11. Nuclear Chemistry by M. N. Sastri.
12. Organometallic Chemistry by R. C. Mahrotra, A. Sing, Wiley Eastern Ltd.New Delhi.
13. Inorganic Chemistry by A. G. Sharpe, Addision – Wisley Longman – Inc.

14. Principles of Inorganic Chemistry by Puri, Sharma and Kalia, Vallabh Publication. Pitampur Delhi.
15. Text book of Inorganic Chemistry by K. N. Upadhyaya Vikas Publishing House – New Delhi.
16. Inorganic Chemistry 3rd Edn G. L. Miessler and D.A. Tarr, pearson publication.
17. Co-ordination compounds by Baselo and Pearson.
18. UGC Inorganic chemistry by H.C. Khera, Pragati prakashan
19. UGC Advanced Inorganic Chemistry by Agarwal and Keemtilal, Pragati Prakashan

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B.Sc. Part III (CBCS) SEMESTER-V
Paper No. DSE-E6 Chemistry Paper No. X
(Organic Chemistry)
(Theory Credits: 02, 30 hours, 38 lectures)

Expected learning Outcomes:

Name of the topic	Expected Learning Outcome
1. Introduction to Spectroscopy	Understanding of energy associated with electromagnetic radiation and its use in analytical technique.
2.UV-Vis Spectroscopy	Knowledge of chromophore, auxochrome and calculation of $\lambda_{max.}$.
3. IR Spectroscopy	Knowledge of vibrational transitions, regions of IR spectrum, functional group recognition.
4.NMR Spectroscopy	Understanding of magnetic-non magnetic nuclei, shielding-deshielding, chemical shift, splitting pattern
5. Mass spectroscopy.	Knowledge of molecular ion, fragmentation pattern and different types of ions produced.
6. Combined Problems based on UV-Vis, IR, NMR and Mass Spectral data	Student will predict the structure of organic compound with the help of provided spectral data.

Unit 1. Introduction to Spectroscopy **[03]**

1.1 Meaning of spectroscopy.

1.2 Nature of electromagnetic radiation: wavelength, frequency, energy, amplitude, wave number and their relationship.

1.3 Different units of measurement of wavelength and frequency.

1.4 Different regions of electromagnetic radiations.

1.5 Interaction of radiation with matter: absorption, emission, fluorescence and scattering.

1.6 Types of spectroscopy and advantages of spectroscopic methods.

1.7 Energy types and energy levels of atoms and molecules.

Unit 2. UV-Vis Spectroscopy **[05]**

2.1 Introduction.

2.2 Beer-Lambert's law, absorption of UV radiation by organic molecules leading to different excitations.

2.3 Terms used in UV Spectroscopy: Chromophore, Auxochrome, Bathochromic shift, hypsochromic shift, hyperchromic and hypochromic effect.

2.4 Modes of electromagnetic transitions.

2.5 Effect of conjugation on position of UV band.

2.6 Calculation of λ_{max} by Woodward and Fischer rules for dienes and enones.

2.7 Colour and visible spectrum.

2.8 Applications of UV Spectroscopy.

Unit 3. IR Spectroscopy **[06]**

3.1 Introduction.

3.2 Principles of IR Spectroscopy.

3.3 Instrumentation, schematic diagram.

3.4 Fundamental modes of vibrations, types and calculation.

3.5 Conditions for absorption of IR radiations.

3.6 Regions of IR spectrum, fundamental group region, finger print region.

3.7 Hook's Law for Calculation of vibrational frequency.

3.8 Factors affecting IR absorption frequency.

3.9 Characteristic of IR absorption of following functional groups a) alkanes, alkenes, alkynes b) alcohol and phenols c) ethers d) carbonyl compounds e) amines f) nitro compounds and g) aromatic compounds.

Unit 4. NMR Spectroscopy **[09]**

4.1 Introduction.

4.2 Principles of PMR Spectroscopy.

4.3 NMR- Instrumentation, Schematic diagram.

4.4 Magnetic and nonmagnetic nuclei.

4.5 Chemical shift: definition, measurement, calculation, Factors affecting Chemical shift.

4.6 Shielding & deshielding.

4.7 Peak Integration.

4.8 Merits of TMS as PMR reference compound.

4.9 Coupling Constant.

4.10 Types of Coupling Constant.

4.11 Spin-spin splitting (n+1 rule).

4.12 Applications.

Unit 5. Mass Spectroscopy. **[08]**

5.1 Introduction.

5.2 Principles of mass spectroscopy.

5.3 Mass spectrometer - schematic diagram.

5.4 Types of ions produced during fragmentation.

5.5 Nitrogen rul

5.6 Fragmentation patterns of: alkanes, alkenes, aromatic hydrocarbons, alcohols, phenols, amines and carbonyl compounds.

5.7 McLaffrety rearrangement.

5.8 Applications.

Unit 6. Combined Problems based on UV, IR, NMR and Mass Spectral data. **[07]**

Reference Books: (Use recent editions)

1. Absorption Spectroscopy of Organic Molecules by V.M.Parikh.
2. Spectroscopy of Organic compounds by P. S. Kalsi.
3. Elementary Organic Absorption Spectroscopy by Y. R. Sharma.
4. Instrumental Methods of Analysis (7^{th} edition) by Willard, Merritt, Dean, Settle.
5. Spectroscopy by G. R. Chatwal and S. K. Anand
6. Spectroscopy by Pavia, lampman, Kriz,Vyvyan
7. Organic Spectroscopy (2^{nd} edition) by JagMohan
8. Organic Spectroscopy (3^{rd} edition) by William Kemp
9. Instrumental Methods of Chemical Analysis by H. Kaur

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B.Sc.-III (CBCS) SEMESTER V
Paper No. DSE- E7 Chemistry Paper No. XI
(Physical Chemistry)
(Theory Credits: 02, 30 hours, 38 lectures)

Expected learning Outcomes:

Name of the Topics	Expected Learning Outcome
1. Elementary quantum mechanics	Learning and understanding quantum Chemistry, Heisenberg's uncertainty principle, concept of energy operators (Hamiltonian), learning of Schrodinger wave equation. Physical interpretation of the ψ and ψ^2. Particle in a one dimensional box
2. Spectroscopy	Knowledge about spectroscopy, Electromagnetic spectrum, Energy level diagram, Study of rotational spectra of diatomic molecules: Rigid rotor model, Microwave oven, vibrational spectra of diatomic molecules, simple Harmonic oscillator model, Raman spectra: Concept of polarizability, pure rotational and pure Vibrational Raman spectra of diatomic molecules, related knowledge will be gained by the students.
3. Photochemistry	Learning and understanding photochemical laws, reactions and various photochemical phenomena.
4. Solution	Learning the various types of solutions, relations vapour pressure, temperature relations.
5. Electromotive force	Learning and understanding the knowledge of emf measurements, types of electrodes, different types of cells, various applications of emf measurements.

Unit 1. Elementary quantum mechanics **[08]**

1.1 Introduction.

1.2 Drawbacks of classical mechanics, Black body radiation, Photoelectric effect, Compton effect, Duel nature of matter and energy: De Broglie hypothesis.

1.3 The Heisenberg's uncertainty principle.

1.4 Concept of energy operators (Hamiltonian).

1.5 Derivation of Schrodinger wave equation, well behaved function.

1.6 Physical interpretation of the ψ and ψ^2.

1.7 Particle in a one dimensional box.

1.8 Numerical problems.

Unit 2. Spectroscopy **[08]**

2.1 Introduction.

2.2 Electromagnetic radiation.

2.3 Interaction of radiation with matter, Electromagnetic spectrum, Energy level diagram.

2.4 Rotational spectra of diatomic molecules: Rigid rotor model, moment of inertia, energy levels of rigid rotor, selection rules, Intensity of spectral lines, determination of bond length, isotope effect, Microwave oven

2.5 Vibrational spectra of diatomic molecules: Simple Harmonic oscillator model, Vibrational energies of diatomic molecules, Determination of force constant, overtones.

2.6 Raman spectra: Concept of polarizability, pure rotational and pure Vibrational Raman spectra of diatomic molecules, selection rules.

2.7 Comparative study of IR and Raman spectra, rule of mutual exclusion- CO_2 molecule.

2.8 Numerical problems.

Unit 3. Photochemistry **[06]**

3.1 Introduction, Difference between thermal and photochemical processes.

3.2 Laws of photochemistry: i) Grotthus - Draper law ii) Lambert law iii) Lambert – Beer's law (with derivation) iv) Stark-Einstein law.

3.3 Quantum yield, Reasons for high and low quantum yield.

3.4 Factors affecting Quantum yield.

3.5 Photosensitized reactions – Dissociation of H_2, Photosynthesis.

3.6 Photodimerisation of anthracene, decomposition of HI and HBr.

3.7 Jablonski diagram depicting various processes occurring in the excited state: Qualitative description of fluorescence and phosphorescence.

3.8 Chemiluminescence, Electroluminescence and Bioluminescence.

3.9 Numerical problems.

Unit 4. Solutions [06]

4.1 Introduction.

4.2 Ideal solutions, Raoult's law, Vapour pressure of ideal and non ideal solutions of miscible liquids.

4.3 Composition of liquid and vapour, vapour pressure and boiling point diagrams of miscible liquids. Distillation of miscible liquid pairs.

Type I : Systems with intermediate total vapour pressure (i.e. System in which b.p. increases regularly – Zeotropic).

Type II : Systems with a maximum in the total vapour pressure (i.e. System with a b.p. minimum – Azeotropic).

Type III : Systems with a minimum in the total vapour pressure (i.e. System with a b.p. Maximum – Azeotropic).

4.4 Solubility of partially miscible liquids.

i. Maximum solution temperature type: Phenol – water system.

ii. Minimum solution temperature type: Triethyl amine – water system.

iii. Maximum and minimum solution temperature type: Nicotine – water system.

Distillation of partially miscible liquid pairs.

4.5 Vapour pressure and distillation of immiscible liquids, steam distillation.

Unit 5. Electromotive force **[10]**

(Convention: Reduction potentials to be used)

5.1 Introduction

5.2 Thermodynamics of electrode potentials, Nernst equation for electrode and cell potentials in terms of activities.

5.3 E.M.F. series.

5.4 Types of electrodes: Description in terms of construction, representation, half cell reaction and emf equation for

i) Metal – metal ion electrode.

ii) Amalgam electrode.

iii) Metal – insoluble salt electrode.

iv) Gas – electrode.

v) Oxidation – Reduction electrode.

5.5 Reversible and Irreversible cells.

i. Chemical cells without transference.

ii. Concentration cells with and without transference.

iii. Liquid – Liquid junction potential: Origin, elimination and determination.

5.6 Equilibrium constant from cell emf, Determination of the thermodynamic parameters such as ΔG, ΔH and ΔS.

5.7 Applications of emf measurements :

i. Determination of pH of solution using Hydrogen electrode.

ii. Solubility and solubility product of sparingly soluble salts (based on concentration cells).

5.8 Numerical problems.

Reference Books:

1. Physical Chemistry by G. M. Barrow, International student Edition,Mc Graw Hill.
2. University General Chemistry by C.N.R. Rao, Macmillan.
3. Physical Chemistry by, R. A. Alberty, Wiley Eastern Ltd.
4. The Elements of Physical Chemistry by P. W. Atkins, Oxford.
5. Principles of Physical Chemistry by S. H. Maron, C. H. Prutton, 4thE dition.

6. Nuclear and Radiochemistry by Friedlander, Kennedy and Miller, John Wiley and Sons. Wiley International edition.
7. Essentials of Nuclear Chemistry by H. J. Arnikar, 4th edition. Wiley Eastern.
8. Principles of Physical Chemistry by Puri, Sharma, Pathania,Shobhanlal Naginchand and Company, Jalandar.
9. Instrumental methods of chemical analysis by Chatwal and Anand,5th Edition, Himalaya Publication.
10. Fundamentals of molecular spectroscopy by C. N. Banwell – Tata Mc Graw-Hill.
11. Quantum Chemistry including molecular spectroscopy by B. K. Sen,Tata Mc Graw -Hill.
12. Text Book of Physical Chemistry by S. Glasstone, Macmillan India Ltd.
13. Elements of Physical Chemistry by D. Lewis and S. Glasstone (Macmillan).
14. Principles of Physical Chemistry by Maron and Lando (Amerind).
15. Electrochemistry by S. Glasstone.
16. Physical Chemistry by W. J. Moore.
17. Basic Chemical Thermodynamics by V. V. Rao (Macmillan).
18. Essential of Physical Chemistry, Bahl and Tuli (S. Chand).
19. Text Book of Physical Chemistry, Soni and Dharmarha.
20. Advanced Physical Chemistry Gurdeep Raj GOEL Publishing House, 36th Edition

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B.Sc. Part III (CBCS) SEMESTER-V
Paper No. DSE-E8 Chemistry paper No. XII
(Analytical Chemistry)
(Theory Credits: 02, 30 hours, 38 lectures)

Expected learning Outcomes:

Name of the topic	Expected Learning Outcome
1.Theory of Gravimetric Analysis	Learning and understanding the techniques of gravimetric analysis.
2.Flame Photometry	Knowledge of instrumental analysis of alkali and alkaline earth elements.
3.Colorimetry and Spectrophotometry	Understanding, working and applications of optical methods as an analytical tool.
4.Potentiometric titrations	Understanding theory and applications of potentiometric titrations.
5.Chromatographic techniques and Quality control	Understanding the basics of ion exchange and column adsorption chromatography, Quality control practices in analytical industries / laboratories.

Unit 1. Theory of Gravimetric Analysis [08]

1.1 Introduction.

1.2 Gravimetric analysis by precipitation: nucleation, crystal growth, digestion/ageing, filtration, drying, ignition, weighing.

1.3 Optimum conditions for good precipitation.

1.4 Physical nature of precipitate.

1.5 Purity of precipitate: co-precipitation, post-precipitation.

1.6 Organic precipitants and their applications.

Unit 2. Flame Photometry [06]

2.1 Introduction.

2.2 General principles of flame photometry.

2.3 Instrumentation: Block diagram, Burners (Premix and Lundergraph burners), mirror, slits, filters, detector (Photomultiplier tube).

2.4 Effect of solvent in flame photometry.

2.5 Experimental procedure of analysis (Standard addition and internal standard).

2.6 Interferences and Factors that influence the intensity of emitted radiation in a flame photometer.

2.7 Applications of flame photometry in real sample analysis.

2.8 Limitations of flame photometry.

Unit 3. Colorimetry and Spectrophotometry [06]

3.1 Theory of colorimetry and spectrophotometry.

3.2 Lambert Beer's law, deviation from Beer's law.

3.3 Terms used in colorimetry and spectrophotometry.

3.4 Classification of methods of 'colour' measurement or comparison.

3.5 Photoelectric colorimeter method–Single beam photo-electric colorimeter.

3.6 Spectrophotometer method–Single beam direct reading spectrophotometer.

3.7 Determination of unknown concentration by using concentration-absorbance plot.

3.8 Applications of colorimetry and spectrophotometry.

Unit 4. Potentiometric titrations [07]

4.1 Introduction.

4.2 Determination of pH.

4.3 Study of Quinhydrone and Glass electrodes and their use in determination of pH.

4.4 Potentiometric titrations: Classical and analytical methods for locating end points.

4.5 Acids- Bases titration with suitable example.

4.6 Redox titration with suitable example.

4.7 Precipitation titration with suitable example.

4.8 Basic circuit of direct reading potentiometer.

4.9 Advantages of potentiometric titrations.

Unit 5. Chromatographic techniques and Quality control [10]

5.1 Introduction, classification.

5.2 **Column chromatography:** Introduction, types, Principle of adsorption column chromatography, solvent system, stationary phases, Methodology-Column packing, applications of sample, development, detection methods, recovery of components, Applications.

5.3 **Ion exchange chromatography:** Introduction, Principle, Types and properties of ion exchangers, Methodology-Column packing, application of sample, elution, detection/analysis, Applications.

5.4 **Concepts in Quality control**

i. Introduction and Concept of quality.
ii. Quality control.
iii. Quality assurance.
iv. ISO series.
v. Good laboratory practices.

References

1. Text Book of Quantitative inorganic analysis – A.I.Vogel.
2. Instrumental methods of chemical analysis –Willard, Merit & Dean.
3. Instrumentals methods of chemical analysis – Chatwal & Anand.
4. Vogel's textbook of qualitative inorganic analysis – Bassett, Denny etc.
5. Textbook of qualitative inorganic analysis – Kolthoff and Sandel.
6. Fundamentals of analytical chemistry – Skoog and West.
7. Basic concepts of analytical chemistry – S.M. Khopkar.
8. Text book of qualitative chemical analysis – Vogel.
9. Handbook of quality assurance for the analytical chemistry laboratory – James P.Dux,Van Nostrand Reinhold,New York 1986.
10. Instrumental methods of chemical analysis – H.Kaur.
11. A text book of Quantitative chemical analysis Vogel's by J.Mendham, R. C. Denney.
12. Quantitative Chemical Analysis – Daniel C. Harris.
13. Applying ISO 9000 Quality management system, International trade centre publishing genera, Indian edition printed by D. L. Shaha Trust.

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B.Sc. Part III (CBCS) SEMESTER -VI
Paper No. DSE-F5, Chemistry Paper No. –XIII
(Inorganic Chemistry)
(Theory Credits: 02, 30 hours, 38 lectures)

Expected Learning Outcome

Name of the topic	Expected Learning Outcome
1.Coordination Chemistry	The topic focused on the mechanism of the reactions involved in inorganic complexes of transition metals. The students can understand the thermodynamic and kinetic aspects of metal complexes.
2.Nuclear Chemistry	The generation of nuclear power with the help of nuclear reactions is highlighted. Role of radio isotopes in medicinal, industrial and Archaeology fields is explained.
3.Chemistry of f-block Elements	The characteristics, properties and separation of lanthanides and Actinides are discussed. Synthesis and IUPAC Nomenclature of trans uranic elements (TU) explained.
4.Iron and Steel	The techniques involve in ore dressing and extraction of cast iron from its ore are discussed.
5.Bio –inorganic Chemistry	Role of various metals and non metals in our health are discussed.

Unit 1. Coordination Chemistry [12]

A. Inorganic Reaction mechanism

1.1 Introduction.

1.2 Classification of Mechanism: Association, dissociation, interchange and the rate determining steps.

1.3 S_N^1 and S_N^2 reactions for inert and labile complexes.

1.4 Mechanism of substitution in cobalt (III) octahedral complexes.

1.5 Trans effect and its theories.

1.6 Applications of trans effect in synthesis of Pt (II) complexes.

B. Thermodynamic and Kinetic aspects of metal complexes.

1.7 Introduction.

1.8 Thermodynamic stability.

1.9 Kinetic Stability.

1.10 Relation between thermodynamic and kinetic stability.

1.11 Stepwise stability constant.

1.12 Factor affecting the stability of complexes.

1.13 Determination of Stability constant by Job variation, Mole ratio and Slope ratio method.

Unit 2. Nuclear Chemistry **[05]**

2.1 Nuclear reactions and energetic of nuclear reactions.

2.2 Types of nuclear reactions

i. Artificial transmutation.

ii. Artificial radioactivity.

iii. Nuclear fission and its application in heavy water nuclear reactor.

iv. Nuclear fusion.

2.3 Use of Thorium, Uranium and Plutonium in atomic energy

2.4 Applications of radio-isotopes as tracers.

i. Chemical investigation – Esterification.

ii. Structural determination – Phosphorus pentachloride.

iii. Analytical Chemistry – Isotopic dilution method for determination of volume of blood.

iv. Age determination – Dating by C^{14}.

Unit 3. Chemistry of f- Block Elements **[09]**

A] Lanthanides

3.1 Introduction.

3.2 Occurrence.

3.3 Electronic Configuration.

3.4 Oxidation State.

3.5 Lantahnide contraction.

3.6 Separation of Lanthanides by Ion exchange method.

B] Actinides

3.7 Position in periodic table.

3.8 Electronic configuration.

3.9 General methods of preparation of transuranic elements.

i. Neutron capture – followed by β decay.

ii. Accelerated projectile bombardment.

iii. Heavy ion bombardment.

3.10 IUPAC nomenclature of the super heavy elements with atomic number (Z) greater than 100.

Unit 4. Iron and Steel. **[07]**

4.1 Occurrence and ores of iron.

4.2 Definition of the Terms- Ore , Mineral, Slag, Flux, Gangue , Matrix, Calcinations, Reduction, Roasting, Smelting and Leaching.

4.3 Extraction of iron by Blast furnace.

4.4 Steel: Definition and types.

4.5 Conversion of cast iron into steel by

i. Bessemer process.

ii. L.D. process.

4.6 Heat treatment on steel.

Unit 5. Bio-inorganic Chemistry. **[05]**

5.1 Introduction.

5.2 Essential and trace elements in biological process.

5.3 Metalloporphyrins with special reference to hemoglobin and myoglobin.

5.4 Biological role of alkali and alkaline earth metal ions with special referenc to Na^+, K^+ and Ca^{2+}

Reference Books: (Use recent editions)

1. Concise Inorganic Chemistry (ELBS, 5th Edition) – J. D. Lee.

2. Inorganic Chemistry (ELBS, 3rd Edition) D. F. Shriver, P. W. Atkins, C. H.Lang Ford, Oxford University Press, 2nd Edition.
3. Basic Inorganic Chemistry : Cotton and Wilkinson.
4. Advanced Inorganic Chemistry (4^{th} Edn.) Cotton and Wilkinson.
5. Concepts and Models of Inorganic Chemistry : Douglas and Mc. Daniel. 3^{rd} Edition. John Wiley publication.
6. Structural principles in inorganic compounds. W. E. Addison.
7. Theoretical principles of Inorganic Chemistry – G. S. Manku.
8. Theoretical Inorganic Chemistry by Day and Selbine.
9. Co-ordination compounds. SFA Kettle.
10. Essentials of Nuclear Chemistry by H. J. Arnikar.
11. Nuclear Chemistry by M. N. Sastri
12. Organometallic Chemistry by R. C. Mahrotra A. Sing, Wiley Eastern Ltd.New Delhi.
13. Inorganic Chemistry by A. G. Sharpe, Addision – Wisley Longman – Inc.
14. Principles of Inorganic Chemistry by Puri, Sharma and Kalia, Vallabh Publication. Pitampur Delhi.
15. Text book of Inorganic Chemistry by K. N. Upadhyaya Vikas Publishing House – New Delhi.
16. Inorganic Chemistry 3rd edn G. L. Miessler and D.A. Tarr, pearson publication
17. Co-ordination compounds by Baselo and Pearson.
18. UGC Inorganic chemistry by H.C. Khera, Pragati prakashan
19. UGC Advance Inorganic Chemistry by Agarwal and Keemtilal, Pragati Prakashan

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B.Sc. Part III (CBCS) SEMESTER-VI
Paper No. DSE-F6 Chemistry Paper No. XIV
(Organic Chemistry)
(Theory Credits: 02, 30 hours, 38 Lectures)

Expected learning Outcomes:

Name of the topic	Expected Learning Outcome
1. Reagents and Reactions in Organic Synthesis	Knowledge of reagents used in organic transformations and various reactions used in organic synthesis.
2.Retrosynthesis	Knowing basic terms used in retrosynthetic analysis, retrosynthesis of some organic compounds.
3.Electrophilic addition to >C=C< and −C≡C− bond	Student will learn addition reaction across >C=C< bond w.r.t. hydrohalogenation, hydration hydroxylation, ozonolysis and addition of halogen, halogen acid, hydrogen,water, etc. across −C≡C−bond.
4.Natural Products	Knowledge of terpenoids and alkaloids w.r.t. occurrence, isolation, characteristics and classification. Analytical and synthetic evidences of Citral and Nicotine.
5.Pharmaceuticals	Understanding classification of drugs, Qualities of ideal drug. Synthesis and uses of some representative drugs and Drug action of sulpha drugs.

Unit 1. Reagents and Reactions in Organic Synthesis [10]

A] Reagents

Preparation and Applications of following reagents.

1. Lithium aluminium hydride $LiAlH_4$.
2. Raney Nickel.
3. Osmium tetraoxide.

4. Selenium dioxide (SeO_2).
5. Dicyclohexyl Carbodiimide (DCC).
6. Diazomethane.

B] Reactions

Statement, General Reaction, Mechanism and Synthetic applications

1. Diels -Alder reaction.
2. Meerwein –Pondorff-Verley reduction.
3. Hofmann rearrangement.
4. Wittig reaction.
5. Wagner- Meerwein rearrangement.
6. Baeyer Villiger oxidation.
7. Problem based on above reactions.

Unit 2. Retrosynthesis [06]

2.1 Introduction.

2.2 Recapitulation of basics of reaction mechanism and reagents.

2.3 Terms used- Target molecule (TM), Disconnection, Synthons, Synthetic equivalence, Functional group interconversion (FGI), one group disconnection (w. r. t. suitable examples).

2.4 Retrosynthetic analysis and synthesis of target molecules: Cinnamaldehyde, Cyclohexene, para methoxy acetophenone, Methyl-3-phenyl propionate, α,α-dimethyl benzyl alcohol, Paracetamol.

Unit 3. Electrophilic addition to >C=C< and −C≡C− bonds [08]

A. Addition to Carbon-Carbon double (>C=C<) bond:

3.1 Introduction.

3.2 Examples of addition reactions.

3.3 Mechanism of electrophilic addition to >C=C< bond, orientation & reactivity,

i. Hydrohalogenation.
ii. Anti-Markovnikoff's addition (peroxide effect).
iii. Rearrangements (support for formation of carbocation).

iv. Addition of halogens.
v. Addition of water.
vi. Addition of hypohalous acids (HO-X).
vii. Hydroxylation (formation of 1,2-diols).
viii. Hydroboration-oxidation (formation of alcohol).
ix. Hydrogenation (formation of alkane).
x. Ozonolysis (formation of aldehydes & ketones).

B. Addition to Carbon-Carbon triple (−C≡C−) bond:

3.4 Introduction.

3.5 Examples of addition reactions.

3.6 Mechanism of electrophilic addition to−C≡C−bond.

i. Addition of halogens.
ii. Addition of halogen acids.
iii. Addition of hydrogen.
iv. Addition of water.
v. Formation of metal acetylides.

Reference books:

1. Organic Reactions and Their Mechanisms P. S. Kalsi 3rd Revised edition.
2. Advanced organic Chemistry by B.S. Bahl & Arun Bhal (Reprint in 1997)
3. Organic Chemistry by Morrison and Boyd 6thedition.

Unit 4. Natural Products [08]

A] Terpenoids:

4.1 Introduction, Occurrence, Isolation, General Characteristic, Classification.

4.2 General Methods for structure determinations.

4.3 Isoprene rule.

4.4 Analytical evidences and synthesis of Citral.

B] Alkaloids:

4.5 Introduction, Occurrence, Isolation, Classification, Properties.

4.6 General Methods for structure determination.

4.7 Analytical evidences and synthesis of Nicotine.

Unit 5. Pharmaceuticals [06]

5.1 Introductio.

5.2 Classification.

5.3 Qualities of ideal drug.

5.4 Synthesis and uses of ethambutal, phenobarbitone, isoniazide, benzocaine, Chloramphenicol,paludrine.

5.5 Drug action of sulpha drugs.

Reference books:1

1. Advanced Organic Chemistry : Reactions, Mechanisms and structure by – Jerry March.
2. Reagents for Organic Synthesis by Louis F. Fieser , Mary Fieser -1967.
3. A Text book of Practical Organic Chemistry including Qualitative Organic Analysis by A. I.Vogel.
4. Mechanism and Structure in Organic Chemistry. April,1963 By Edwin S.Gould.
5. A text book of Organic Chemistry by Arun Bahl, B.S.Bhal Eighteenth Revised edition 2006.
6. A guidebook to mechanism in Organic Chemistry sixth Edition by Peter Syke.
7. Organic Synthesis: The Disconnection Approach by Stuart Warren.
8. Organic Synthesis Through Disconnection Approach by P. S. Kalsi
9. Fundamentals of Organic Synthesis the Retrosynthetic Analysis by Ratan Kumar Kar
10. Organic Reactions and Their Mechanisms P. S. Kalsi 3rd Revised edition.
11. Advanced organic Chemistry by B.S. Bahl & Arun Bhal (Reprint in 1997)
12. Organic Chemistry by Morrison and Boyd 6thedition.
13. Organic Chemistry Vol II Stereochemistry and the Chemistry of Natural Products (5th ed) by I. L.Finar.
14. Organic Chemistry Natural Products Vol I, by O. P.Agrawal
15. Industrial Chemistry-B.K. Sharma, Goyal publishing house,Mirut
16. Shreeves chemical process industries 5th Edition, G.T. Oustin, McGrawHill
17. Riegel`s hand book of Industrial chemistry, 9th Edition, Jems A.Kent
18. Industrial chemistry –R.K. Das, 2nd Edition,1976.

19. Synthetic drugs by M.S.Yadav,Campus book international.

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B.Sc. III (CBCS) SEMESTER-VI
Paper No. DSE-F 7 Chemistry Paper No. XV
(Physical Chemistry)
(Theory Credits: 02, 30 hours, 37 Lectures)

Expected Program Outcomes:

Name of the Topics	Expected Learning Outcome
1. Phase equilibria	Learning and understanding of phase rule, learning of One component, Two component and Three component systems phase diagrams with suitable examples.
2. Thermodynamics	Knowledge about basic concept of Thermodyanamics, free energy, Gibbs-Helmholtz equation and its applications, problem related with it.
3. Solid state chemistry	Learning and understanding Space lattice, lattice sites, Lattice planes, Unit cell. Laws of crystallography, Weiss indices and Miller indices, Cubic lattices and types of cubic lattice, planes or faces of a simple cubic system, Diffraction of X-rays, Derivation of Bragg's equation. Determination of crystal structure by Bragg's method. crystal structure of NaCl and KCl on the basis of Bragg's equation.
4. Chemical kinetics	Learning of kinetics, Simultaneous reactions such as i)opposing reaction ii)side reaction iii)consecutive reactions: iv) chain reaction v) explosive reaction
5. Distribution law	Learning and understanding the knowledge of distribution law, its modifications, applications of distribution laws, process of extraction, determination of solubility, distribution indicators, molecular weights.

Unit 1. Phase Equilibria **[07]**

1.1 Introduction.

1.2 Gibbs phase rule : Phase rule equation and explanation of terms involved in the equation.

1.3 Phase diagram, true and metastable equilibria.

1.4 One component systems:

i. Water system.

ii. Sulphur system with explanation for polymorphism.

1.5 Two component systems:

i. Eutectic system: (Ag – Pb system); Desilverisation of lead.

ii. Freezing mixture: (KI –H_2O system).

iii. Formation of compound with congruent melting point ($FeCl_3$ – H_2O).

1.6 Three component solid-liquid system:

i. Development of triangular phase diagram: (Acetic acid – Chloroform –water system).

Unit 2. Thermodynamics [09]

2.1 Introduction.

2.2 Free energy: Gibbs function (G) and Helmholtz function (A), Criteria for thermodynamic equilibrium and spontaneity.

2.3 Relation between ΔG and ΔH : Gibbs-Helmholtz equation.

2.4 Phase equilibria : Clapeyron – Clausius equation and its applications.

2.5 Thermodynamic derivation of law of mass action, Van't – Hoff isotherm and isochore.

2.6 Fugacity and activity concepts.

2.7 Partial molar quantities, Partial molar volume, Concept of chemical potential, Gibbs-Duhem equation.

2.8 Numerical problems.

Unit 3. The Solid State [09]

3.1 Introduction: Space lattice, lattice sites, lattice planes, unit cell.

3.2 Laws of crystallography:

i. Law of constancy of interfacial angles

ii. Law of rational indices

iii. Law of crystal symmetry.

3.3 Weiss indices and Miller indices.

3.4 Cubic lattice and types of cubic lattice, planes or faces of a simple cubic system, spacing of lattice planes.

3.5 Diffraction of X-rays, Derivation of Bragg's equation.

3.6 Determination of crystal structure by Bragg's method.

3.7 Determination of crystal structure of NaCl and KCl on the basis of Bragg's equation.

3.8 Numerical problems.

Unit 4. Chemical Kinetics [06]

4.1 Introduction.

4.2 Simultaneous reactions such as

i. Opposing reaction: (Derivation of rate equation for first order opposed by first order expected).

ii. Side reaction.

iii. Consecutive reactions.

iv. Chain reaction.

v. Explosive reaction (Derivation of rate equation and Numerical problems are not expected).

Unit 5. Distribution law [06]

5.1 Introduction, solute, solvent and solution, miscible and immiscible liquids.

5.2 Nernst distribution law and its limitations.

5.3 Modification of distribution law with respect to change in molecular state of solute (association and dissociation of solute in one of the solvent).

5.4 Applications of the distribution law

i. Process of extraction (derivation expected).

ii. Determination of solubility of solute in particular solvent.

iii. distribution indicators.

iv. determination of molecular weight of solute in different solvents.

5.5 Numerical problems.

Reference Books:

1. Physical Chemistry by G. M. Barrow, International student Edition,Mc Graw Hill.
2. University General Chemistry by C.N.R. Rao, Macmillan.
3. Physical Chemistry by, R. A. Alberty, Wiley Eastern Ltd.
4. The Elements of Physical Chemistry by P. W. Atkins, Oxford.
5. Principles of Physical Chemistry by S. H. Maron, C. H. Prutton, 4thE dition.
6. Nuclear and Radiochemistry by Friedlander, Kennedy and Miller, John Wiley and Sons. Wiley International edition.
7. Essentials of Nuclear Chemistry by H. J. Arnikar, 4th edition. Wiley Eastern.
8. Principles of Physical Chemistry by Puri, Sharma, Pathania,Shobhanlal Naginchand and Company, Jalandar.
9. Instrumental methods of chemical analysis by Chatwal and Anand,5th Edition, Himalaya Publication.
10. Fundamentals of molecular spectroscopy by C. N. Banwell – Tata Mc Graw-Hill.
11. Quantum Chemistry including molecular spectroscopy by B. K. Sen,Tata Mc Graw -Hill.
12. Text Book of Physical Chemistry by S. Glasstone, Macmillan India Ltd.
13. Elements of Physical Chemistry by D. Lewis and S. Glasstone (Macmillan).
14. Principles of Physical Chemistry by Maron and Lando (Amerind).
15. Electrochemistry by S. Glasstone.
16. Physical Chemistry by W. J. Moore.
17. Basic Chemical Thermodynamics by V. V. Rao (Macmillan).
18. Essential of Physical Chemistry, Bahl and Tuli (S. Chand).
19. Text Book of Physical Chemistry, Soni and Dharmarha.
20. Advanced Physical Chemistry Gurdeep Raj GOEL Publishing House, 36th Edition

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B. Sc. Part III (CBCS) SEMESTER-VI
Paper No. DSE-F8 Chemistry Paper No. XVI
(Industrial Chemistry)
(Theory Credits: 02, 30 hours, 38 lectures)

Expected learning Outcomes:

Name of the topic	Expected Learning Outcome
1.Sugar Industry	Learning and understanding the whole process of manufacture of sugar and byproducts of sugar industry.
2.Manufacture of industrial heavy chemicals	Learning and understanding of physico-chemical principles of production of ammonia, sulfuric acid, nitric acid and sodium carbonate along with its manufacturing plant.
3.Synthetic polymers	Understanding and learning the classification, synthesis and applications of various polymers.
4.Petroleum industry and eco-friendly fuels	Understanding the petroleum Industry, fuels and need of use of ecofriendly fuels.
5.Nanotechnology	Understanding and learning of nanotechnology including classification, optical properties, synthesis routes, characterization techniques and applications of nano-materials.

Unit 1. Sugar Industry **[07]**

1.1 Introduction.

1.2 Manufacture of cane sugar in India: Extraction of juice, Clarification, Concentration, crystallization, centrifugation and other details of industrial process.

1.3 Byproducts of sugar industry.

1.4 Manufacture of Ethyl Alcohol from Molasses: by Fermentation.

Unit 2. Manufacture of Industrial Heavy Chemicals **[08]**

2.1 Introduction

2.2 Manufacture of Ammonia (NH_3)

i. Physico-chemical principles.

ii. Manufacture by Haber's process.

2.3 Manufacture of Sulphuric acid (H_2SO_4)

i. Physico-chemical principles.

ii. Manufacture by Contact process.

2.4 Manufacture of Nitric acid (HNO_3)

i. Physico-chemical principles.

ii. Manufacture by Ostwald's process (Ammonia oxidation process).

2.5 Manufacture of Sodium carbonate (Na_2CO_3) (Washing soda).

i. Physico-chemical principles.

ii. Manufacture by Solvay process.

Unit 3. Synthetic Polymers [08]

3.1 Introduction.

3.2 Classification.

i. Based on origin.

ii. Based on composition-organic, inorganic polymers.

iii. Based on method of preparation.

iv. Based on general physical properties.

v. Based on structure.

3.3 Addition Polymerization: Free radical addition and ionic addition polymerization.

3.4 Zigler Nata polymerization.

3.5 Methods of preparation and applications of some organic polymers: Polyethylene, polystyrene, polyvinyl chloride, Phenol-formaldehyde resin.

3.6 Conducting organic polymers: Synthesis and properties of Polyaniline, polypyrrol.

3.7 Applications of conducting organic polymers.

Unit 4. Petroleum industry and eco-friendly fuels [07]

A] Petroleum industry

Introduction, occurrence, composition of petroleum, resources, processing of petroleum, calorific value of fuel, cracking, octane rating (octane number), cetane

number, flash point, petroleum refineries, applications of petrochemicals, synthetic petroleum, lubricating oils & additives.

B] Fuels

Fuels and eco-friendly fuels: liquid, gaseous fuel (LPG, CNG), fossil fuels, diesel, bio diesel, gasoline, aviation fuels. Use of solar energy for power generation.

Unit 5. Nanotechnology [08]

5.1 Introduction of nanotechnology, history, Classification of nanoparticles based on size.

5.2 Optical properties of Nanomaterial's

i. Semiconducting NPs.

ii. Metallic NPs.

5.3 Synthetic Routes of nanomaterials: Top-down and bottom-up approaches.

5.4 Synthesis methods: Sol-gel, precipitation, chemical reduction, chemical vapor deposition, hydrothermal, electrodeposition.

5.5 Characterization of nanomaterials: X-Ray diffractometer, Scanning Electron Microscope, Transmission electron microscope.

5.6 Applications of nanotechnology.

References:

1. Industrial Chemistry-B.K. Sharma
2. Chemical process industries – Shrieve & Brink
3. Industrial chemistry – Kent
4. Industrial chemistry – Rogers
5. Industrial chemistry – R. K. Das
6. Mechanical chemistry – Burger
7. Nanotechnology: Principles and Practices – Sulbha Kulkarni
8. The Petroleum chemicals industry by R. F. Goldstine, e &Fn London
9. Fundamentals of petroleum chemical technology by P Below.
10. Petro Chemicals Volume 1 and 2 ; A Chauvel and Lefevrev ; Gulf Publishing company

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Laboratory Course (Practicals)

N. B. (i) Use of Digital/Analytical/Chainometric/Single pan balance is allowed.

(ii) Use of Scientific calculator is allowed.

(iii) Use of Chart/Text book/Hand book of practical is allowed.

(iv) There will be a project having weightage of 15 marks.

Project should be in the following areas but focused on applications of Chemistry.

a) Society oriented

b) Daily use

c) Industry based

d) Analysis based

The project will be assessed by all the three examiners with equal weightage at the time of practical examinations.

The project may be completed individually or by a group of students not exceeding number three.

One copy of the project should be submitted at the time of examination. After assessment this copy will remain in the department.

INORGANIC CHEMISTRY

I) Gravimetric Estimations (G).

N. B. Any **two** experiments from G1 to G3 and any **two** experiment from G4 & G6.

G1. Gravimetric estimation of iron as ferric oxide (Fe_2O_3) from the given solution containing ferrous ammonium sulphate, copper sulphate and free sulphuric acid.

G2. Gravimetric estimation of zinc as zinc pyrophosphate from the given solution

containing zinc sulphate, ferrous ammonium sulphate and free sulphuric acid.

G3. Gravimetric estimation of barium as barium sulphate($BaSO_4$) from the given solution containing barium chloride, ferric chloride and free hydrochloric acid.

G4. Gravimetric estimation of barium as barium chromate($BaCrO_4$) from the given solution containing barium chloride, ferric chloride and free hydrochloric acid.

G5. Gravimetric estimation of nickel as bis (dimethylglyoximato) nickel (II) from the given solution containing nickel sulphate, ferrous ammonium sulphate and free Sulphuric acid.

G6. Gravimetric estimation of aluminium as aluminium oxinate potassium tris (8-hydroxy quinolato) aluminium (III) from the given solution containing potash alum ,copper sulphate and free sulphuric acid.

[For the gravimetric experiments, stock solution should be given in the range of 10 to 15 cm^3 and asked to dilute to 100 cm^3 (or the stock solution should be given in the range of 20 to 30 cm^3 and asked to dilute to 250 cm^3). Use 50 cm^3 of this diluted solution for estimation.]

II. Inorganic Preparations (P).

N. B. At least **six** preparations from the following with **percentage yield**:

P1. Preparation of potassium trioxalato aluminate (III).

P2. Preparation of Tetra ammine copper (II) chloride.

P3. Preparation of tris(thiourea) copper (I) sulphate.

P4. Preparation of potassium trioxalato ferrate (III).

P5. Preparation of chloropenta-ammine cobalt (III) chloride.

P6. Preparation of ammonium diamminetetrathiocynato chromate (III) (Reineck's salt).

P7. Preparation of Potassium hexa nitro coblatate (III).

P8. Preparation of ammonium trioxalato chromate (III).

P9. Preparation of hexathiourea plumbus (II) nitrate.

A) Percentage Purity

N. B. : Any **two** from the following.

V1. Determination of percentage purity of ferrous ammonium sulpahte.

V2. Determination of percentage purity of tetrammine copper (II) sulphate.

V3. Determination of percentage purity of potassium (trioxalato-aluminate) (III).

B) Analysis of Commercial Sample.

N. B. Any **Three** from the following:

V5. Determination of percentage of Calcium in the given sample of milk powder or lime.

V6. Determination of amount of aluminum in the given solution of potash alum.

V7. Determination of titrable acidity in the given sample of milk or lassi.

V8. Determination of percentage purity of boric acid using supplied sodium hydroxide. (Standard succinic or oxalic acid solution to be prepared to standardise the given sodium hydroxide solution.)

V9. To determine the amount of HCl in given of commercial samples.

C) Ion exchange method.

N. B. Any **two** from the following.

V10. Determination of amount of sodium present in the given solution of common salt using cation exchange resin (By Acid Base titration).

V11. Determination of amount of magnesium in the given solution containing(Mg^{2+} and Zn^{2+}) using anion exchange resin and standard solution of EDTA.

V12. Determination of amount of zinc in the given solution containing (Mg^{2+} andZn^{2+}) using anion exchange resin and standard solution of EDTA.

Reference Books:

1. A text book of quantitative Inorganic Analysis - A. I. Vogel.
2. Text book of Quantitative Inorganic Analysis - Kolthoff and Sandell.
3. Experimental Inorganic Chemistry - Palmer W. G.
4. Advanced Practical Inorganic Chemistry - Adams and Raynor.
5. Manual in Dairy Chemistry - I.C.A.R. Sub-Committee on Diary Education.
6. Chemical methods for environmental analysis - R. Ramesh and M. Anbu.

ORGANIC CHEMISTRY

I) Qualitative analysis

Separation of binary mixture and Identification of **one** component. (At least 08 mixtures)

Nature 1) Solid – Solid : 4 mixtures
2) Solid – Liquid : 2 mixtures
3) Liquid – Liquid : 2 mixtures

1) Solid – Solid Mixtures:

One mixture from each the following types should be given:

i) Acid+Phenol ii) Acid + Base
iii) Acid+Neutral iv) Phenol +Base
v) Phenol+Neutral vi) Base +Neutral

2) Solid – Liquid Mixtures

Mixture of type Neutral + Neutral or Acid + Neutral should be given.

3) Liquid – Liquid Mixtures

Mixture of type Neutral + Neutral or Base + Neutral should be Given. Following compounds should be used for preparation of mixtures

i) Acids: Benzoic acid, Phthalic acid, Salicylic acid, Cinnamic acid, Aspirin, Oxalic acid.

ii) Phenols: α-naphthol, β-naphthol.

iii) Bases:o-nitroaniline, m-nitroaniline, p-nitroaniline, aniline, o-toluidine and N, N-dimethylaniline.

iv) Neutrals: Anthracene, acetanilide, m-dintrobenzene, chloroform, carbon tetrachloride, acetone, nitrobenzene, ethyl acetate, ethyl benzoate, bromobenzene, urea and thiourea.

NB :

1. For Solid-Liquid and Liquid-Liquid mixtures avoid detection of type of mixture. Instead the weightage is given to detection of nature and separation ofmixture.
2. Separation and qualitative analysis of the binary Mixtures should be carried out on microscale using microscale kits.

II) Quantitative analysis: Organic Estimations:(Any four)

1. Estimation of sucrose
2. Saponification value of oil.
3. To determine the amount of acid and amide present in the given mixture of acid and amide.
4. Determination of Molecular weight of monobasic/dibasic acid by volumetric method.
5. Estimation of unsaturation –to estimate the percentage purity of given olefinic compound by brominationmethod.

Note: Double burette method should be used for titration.

III) Organic Preparations: (Any four)

1. Multicomponent reaction - Preparation of Dihydropyrimidone.
2. Radical coupling reaction - Preparation of 1,1,2 bis-2naphthol.
3. Base catalyzed Aldol condensation- Preparation of Dibenzal propanone.
4. Diels Alder reaction- Reaction between Furan and Maleic acid
5. Benzil- Benzilic acid rearrangement reaction
6. Oxidation reaction – Preparation of Methyl phenyl sulfone.

IV) Preparation of Derivatives:

1. Picrate derivative (naphathalene and α-naphthol).
2. Iodoform (Acetone).
3. Osazone of Carbohydrates (Glucose).
4. Oxalate derivative (ofUrea).
5. Nitrate derivative of Urea
6. 2,4-Dinitro phenyl hydrazone (carbonyl compounds)
7. Oxime derivatives (carbonyl compounds)

Or

Determination of structure of organic compound from given NMR spectra.

Ethanol, Ethyl acetate, Benzyl alcohol, Propanoic acid, Butaraldehyde, Ethyl benzoate, Isopropyl benzene, Propyl ether, n-pentane, Propene, Diethyl amine, 2-chloro butane.

NB: All preparations should be carried out by considering green Chemistry approach

1. Preparation of derivative should be carried out on small scale. The starting compound should not be given more than one gram.
2. Calculation of percentage practical yield in preparation is must.
3. Recrystallization of crude product and its melting point.
4. The product should be confirmed byTLC.
5. Assign reactions with mechanism.

Reference books:

1. Practical Organic Chemistry by – A.I.Vogel.
2. Practical Organic Chemistry by – O. P.Agarwal

PHYSICAL CHEMISTRY

I. Non instrumental Experiments:

A. Any one of the following

i) Partition Law.

To determine the partition coefficient of CH_3COOH between H_2O and CCl_4.

ii) Viscosity.

To determine the viscosity average molecular weight of a polymer.

iii) Adsorption.

To investigate the adsorption of oxalic acid by activated charcoal and test the validity of Freundlich & Langmuir isotherms.

iv) Solubility.

To study the effect of addition of electrolyte (NaCl or KCl) on the solubility of Benzoic acid at room temperature.

B. Chemical kinetics. (Any four)

1. The study of energy of activation of first order reaction i.e. hydrolysis of methyl acetate in presence of 0.5 N HCl / 0.5 N H_2SO_4.
2. The study of energy of activation of second order reaction i.e. reaction between $K_2S_2O_8$ and KI (Equal concentrations).
3. The study of energy of activation of second order reaction i.e. reaction between $K_2S_2O_8$ and KI (Unequal concentrations).
4. To study the hydrolysis of methyl acetate by using its two concentrations in presence of 0.5 N HCl and hence find velocity constant of the reaction.
5. To study the effect of addition of electrolyte (KCl) on the reaction between $K_2S_2O_8$ and KI (Equal concentrations).

C. Partial molar volume.

1. To determine the partial molar volume of ethyl alcohol in a mixture of ethyl alcohol and water (Any seven mixtures be given).

II. Instrumental experiments

A. Potentiometry (Any four)

1. Titration of strong acid with strong alkali.

   N.B. i) 8 to 10 ml of 1N acid solution to be given by examiner in 100 ml volumetric flask & student should dilute it to 100 ml and 10ml of this solution is taken for titration.

   ii) Experiment is carried out by taking pilot run from 1 to 10 ml and then final run taking 0.2 ml reading in the range of end point.

2. Preparation of buffer solution and determination of their pH (Any five buffer solutions), Theoretical calculation of pH values by using Henderson's equation.
3. Determination of standard electrode potential of Zn/Zn^{++}, Cu/Cu^{++}, Ag/Ag^{+} (Any two).
4. Estimate the amount of Cl^{-}, Br^{-} and I^{-} in given unknown halide mixture by titrating it against standard $AgNO_3$ solution.
5. Titration of ferrous ammonium sulphate using $K_2Cr_2O_7$ solution and to calculate redox potential of Fe^{++}, Fe^{+++} system.

B. Conductometry (Any three).

N.B. i) 8 to 10 ml of 1N acid solution to be given by examiner in 100 ml volumetric flask & student should dilute it to 100 ml and 10ml of this solution is taken for titration.

1. Titration of a mixture of weak acid and strong acid with strong alkali
2. To study the effect of substituent on dissociation constant of weak acid with respect to acetic acid and monochloroacetic acid (cell constant to be given).

   N.B. Calculate K by using formula $K= \alpha^2.C/1- \alpha$
3. To determine the velocity constant of hydrolysis of ethyl acetate by NaOH solution by conduct metric method.
4. To determine the normality of citric acid in lemon by titrating it against standard 0.2 N NaOH solution by conduct metric method.
5. To determine λ_∞ of strong electrolyte (NaCl or KCl) and to verify Onsager equation.

C. Refractometry. (Any One)

1. To determine the percentage composition of unknown mixture by (i) graphical method and (ii) by composition law (Densities of pure liquids A & B be given).
2. To determine the molar refractivity of methyl acetate, ethyl acetate, n-hexane and

carbon tetrachloride and calculate the refraction equivalents of C, H and Cl atoms.

D. Colorimetry (Any Two).

1. To verify Lambert – Beer's law using $CuSO_4$ solution.
2. To estimate of Fe^{+++} ions by thiocynate method.
3. To estimate Fe^{+++} ions using salicylic acid by colorimetric titration.
4. To determine the order of reaction for the oxidation of alcohol by potassium dichromate and potassium permanganate in acidic medium colorimetrically.

E. pH – metry (Any One).

1. To determine the dissociation constant of monobasic acid (Acetic acid).
2. To determine the dissociation constant of dibasic acid (Malonic acid).
3. To determine hydrolysis constant of aniline hydrochloride.

Reference Books:

1. Findlay's Practical Physical Chemistry (Longman)
2. Advanced Practical Physical Chemistry by J. B. Yadav, Goel publishing house.
3. Practical Physical Chemistry by B. D. Khosla, V. C. Garg (R. Chand and Co.)
4. Systematic experimental Physical Chemistry by Rajbhoj, Chandekar (Anjali Publicaiton) Aurangabad.
5. Practical Physical Chemistry: Nandkumari, Kothari and Lavande.
6. Practical Physical Chemistry by Gurtu (S. Chand).
7. Text Book of Qualitative Inorganic Analysis by A. I. Vogel (ELBS Longman).

Nature of Practical Examination

1) The practical examination will be of **200** marks.

2) The duration of practical examination will be of **three days - six and half hour per day.**

3) Questions related to the practical exercise/project report/industrial visit carried out by the student should be asked in viva.

4) Use of scientific calculator is allowed.

5) S.I. units should be used wherever possible.

6) Use of Chart / Hand book / Text book of practical is allowed.

7) A student is expected to submit a journal certified by the Head of the Department.

8) A student not be permitted to appear at the practical examination unless he/she produces a certified journal. If the journal is lost, the student should produce a certificate from the Head of the Department stating that he/she has satisfactory completed the practical work but his / her journal is lost.

9) Use of Digital / Analytical / Chainometric / Single pan balance is allowed.

10) A student should submit one copy of project at the time of examination.

Each examiner should asses the project work for Five marks and sign the same. If any student will not submit project work, he/she will be given Zero mark for the project.

11) The distribution of marks for practical examination will be as follows:

A) Physical Chemistry 60 marks

i) Non-instrumental experiment 25 marks

ii) Instrumental experiment 25 marks

iii) Viva 05 marks

iv) Journal 05 marks

B) Inorganic Chemistry 65 marks

i) Gravimetric analysis 25 marks

ii) Preparation 15 marks

iii) Volumetric estimation 15 marks

iv) Viva 05 marks

v) Journal 05 marks

C) Organic Chemistry 60 marks

i) Mixture separation and identification of compounds 25 marks

ii) Estimation/Preparation 20 marks

iii) Derivative 05 marks

iv) Viva 05 marks

v) Journal 05 marks

D) Project 15 marks

Total:- 200 marks

B.Sc. Programme structure (CBCS Pattern)

B.Sc. I, B. Sc. II, B. Sc. III Inorganic, Organic, Physical Analytical Chemistry

/ Industrial Chemistry)

B. Sc. I

Semester	Subject	Course Code	Paper No
I	Inorganic Chemistry	DSC-3A	I
	Organic Chemistry	DSC- 4A	II
II	Physical Chemistry	DSC- 3B	III
	Analytical Chemistry	DSC – 4B	IV

B. Sc. II

Semester	Subject	Course Code	Paper No
III	Physical Chemistry	DSC-C3	V
	Industrial Chemistry	DSC- C4	VI
IV	Inorganic Chemistry	DSC- D3	VII
	Organic Chemistry	DSC – D4	VIII

B. Sc III

Semester	Subject	Course Code	Paper No
V	Inorganic Chemistry	DSC-E5	IX
	Organic Chemistry	DSC- E6	X
	Physical Chemistry	DSC- E7	XI
	Analytical Chemistry	DSC – E8	XII
VI	Inorganic Chemistry	DSC-F5	XIII
	Organic Chemistry	DSC- F6	XIV
	Physical Chemistry	DSC- F7	XV
	Industrial Chemistry	DSC – F8	XVI

Estd. 1962
"A++" Accredited by NAAC(2021) With CGPA 3.52

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दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दुरध्वनी विभाग २३१–२६०९०९३/९४

SU/BOS/Science/ 45 **Date: 19/ 10/ 2022**

To,
The Principal,
All Affiliated Concerned Science Colleges/Institutions
Shivaji University, Kolhapur.

Subject :- Regarding syllabi of M. Sc. & B. Sc. Part- I (NEP-2020) degree programme under the Faculty of Science and Technology as per National Education Policy 2020.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi and Nature of question paper of **M. Sc. & B. Sc. Part- I** under the Faculty of Science and Technology **as per National Education Policy 2020 .**

Sr. No.	Faculty of Science and Technology	Programme/ Course
1	Chemistry and Chemical Engineering	**M.Sc. Part -I Chemistry**, Applied, industrial, Organic, Inorganic, Physical and Analytical , Chemistry,
		B. Sc. Part -I Chemistry

This syllabi and nature of question paper shall be implemented from the Academic Year **2022-2023** onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (students Online Syllabus)

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy Registrar

Copy to:

1	The Dean, Faculty of Science & Technology	7	Appointment Section
2	Director, Board of Examinations and Evaluation	8	P.G.Seminar Section
3	The Chairman, Respective Board of Studies	9	Computer Centre (I.T.)
4	B.Sc. Exam	10	Affiliation Section (U.G.)
5	Eligibility Section	11	Affiliation Section (P.G.)
6	O.E. I Section	12	P.G.Admission Section

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A++' Grade

Choice Based Credit System with Multiple Entry and Multiple Exit Option

(NEP-2020)

CHOICE BASED CREDIT SYSTEM

Syllabus for

B.Sc. Part – I

CHEMISTRY

Semester I & II

(Syllabus to be implemented from Academic Year 2022-23)

Choice Based Credit System with Multiple Entry and Multiple Exit Options

To be implemented from the Academic Year 2022-23

First Year Bachelor of Science (Level-5) Programme Structure (NEP-2020 PATTERN)

S E M E S T E R – I (Duration – 6 Months)

Courses	Sr. No.	Course Code	TEACHING SCHEME						EXAMINATION SCHEME						
			THEORY			PRACTICAL			THEORY				PRACTICAL		
			Credits	No. of lectures	Hours	Credits	No. of lectures	Hours	Hours	Max	Total Marks	Min	Hours	Max	Min
CGPA COURSES	1	DSC-A	2	5	4	2	4	3.2	2	50	100	35	PRACTICAL EXAMINATION IS ANNUAL		
	2	DSC-A	2						2	50					
	3	DSC-A	2		4	2	4	3.2	2	50	100	35			
	4	DSC-A	2						2	50					
	5	DSC-A	2		4	2	4	3.2	2	50	100	35			
	6	DSC-A	2						2	50					
	7	DSC-A	2	5	4	2	4	3.2	2	50	100	35			
	8	DSC-A	2						2	50					
	9	AECC- A	2	4	3.2	-	-	-	2	50	50	18			
		TOTAL (A)	18			8	16				450				
Non CGPA	10	SEC-1	-	-	-	2	4	4							
	11	VBC-1				1	2	2							

S E M E S T E R – II (Duration – 6 Months)

CGPA COURSES	1	DSC-B	2	5	4	2	4	3.2	2	50	100	35	As per BOS Guide-lines	50	18
	2	DSC-B	2						2	50					
	3	DSC-B	2	5	4	2	4	3.2	2	50	100	35		50	18
	4	DSC-B	2						2	50					
	5	DSC-B	2	5	4	2	4	3.2	2	50	100	35		50	18
	6	DSC-B	2						2	50					
	7	DSC-B	2	5	4	2	4	3.2	2	50	100	35		50	18
	8	DSC-B	2						2	50					
	9	AECC- B	2	4	3.2	--	--	--	2	50	50	18		200	18
		TOTAL (B)	18			8					450				
		TOTAL (A+B)	36			16					900				
Non CGPA	10	SEC-2	-	-	-	2	4	4							
	11	VBC-2				1	2	2							

- Student contact hours per week : 32 Hrs (Minimum)
- Theory and Practical Lecture Duration: 48 min each
- Total Marks for B.Sc.- I : 1100
- Total Credits for B.Sc.-I (Sem I & II) : 52
- Practical Examination will be conducted annually for 50 marks per course.
- **AECC:** Ability Enhancement Compulsory Course (A & B) : English for communication
- **SEC:** Skill Enhancement Course (Vocational Studies): Field Projects/ Internship/ Apprentiship/ Community Engagement and Service. Any one from pool of courses. For SEC courses there shall be onlypractical examination of 50 marks. **VBC:** Value Based Course (NSS/NCC/Sports/Cultural, etc.)
- Except English, there shall be combined passing for two theory courses of 50 marks each. i.e. minimum35 marks are required for passing out of 100. There shall be separate passing for theory and practical.

A] Ordinance and Regulations: (As applicable to Degree Course)

B] Shivaji University, Kolhapur

Revised Syllabus For **Bachelor of Science (B.Sc.)**

1. TITLE : Subject- Chemistry

Optional under the Faculty of Science and Technology

2. YEAR OF IMPLEMENTATION: -

Revised Syllabi implemented from August 2022 onwards.

3. PREAMBLE:-

[Note :-The Board of Studies should briefly mention foundation, core and applied components of the course / paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

4. GENERAL OBJECTIVES OF THE COURSE:

(as applicable to the Degree concerned)

Objectives:-

1. To impart knowledge of Science.
2. To develop scientific attitude, open Minded, critical, curious.
3. To develop skill in practical work, experiments and laboratory materials and equipments alongwith the collection and interpretation of scientific data to contribute the science.
4. To understand scientific terms, concepts, facts, phenomenon and their relationships.
5. To develop scientific ability to work in the field of research and other fields of their owninterest and to make them fit for society.
6. To develop ability for the application of the acquired knowledge to improve chemistry related fields to make the country self reliant and sufficient.

7. To create the interest of the society in the subject and scientific hobbies and other similar activities.

5. DURATION

The course shall be a full time course.

6. PATTERN:

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

1. Refer brochure and prospectus of concern affiliated college/institute toShivaji University, Kolhapur.
2. Other fee will be applicable as per rules and norms of Shivaji University,Kolhapur.

8. ELIGIBILITY FOR ADMISSION:

As per guidelines obtained from Shivaji University, Kolhapur by following rules and regarding reservations by Govt. of Maharashtra**.**

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English.

10. STRUCTURE OF COURSE- B. Sc. I Chemistry

FIRST YEAR (SEMESTER I and II) (Total Number of papers - 04)

Sr. No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Paper-I	**50**	-	50
2.	Paper-II	**50**	-	50
3.	Paper-III	**50**	-	50
4.	Paper-IV	**50**	-	50
	Practical			50
	Total			**250**

11. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

FIRST YEAR - SEMESTER – I/ II : Chemistry (Optional)

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
	Semester-I							
1	Paper-I	2.5	-	-	2.5	50		50
2	Paper-II	2.5	-	-	2.5	50		50
	Semester-II							
3	Paper-III	2.5	-	-	2.5	50		50
4	Paper-IV	2.5	-	-	2.5	50		50
	Practical- I (annual)	-	-	4	04	50	-	50
	Total	**05**	**-**	**04**	**09**	**-**	**-**	**250**

- Practical Examination will be conducted annually for 50 Marks.
- Except English, there shall be combined passing for two theory courses of 50 marks each.

  i.e. Minimum 35 marks are required for passing out of 100.
- There shall be separate passing for theory and practical courses.
- CGPA Ability Enhancement Compulsory Course(AECC) for (A and B) is English
- SEC- Skill Enhancement Course (Vocational Studies –I):

  Field Projects/ Internship/ Apprenticeships/ Community Engagement and Services, anyone Selected from Pool of Courses.

  Total Marks for B.Sc.-I Chemistry (Excluding English) : 250
- Theory and practical lectures : 48 minutes each

Exit at Level 5:

Those who are interested to exit after Level 5 shall have to complete the SEC-I and SEC-II courses with allotted credits of Shivaji University Guidelines

U.G. structure for Science

SEM	DSC	DSE/OEC/ GEC/IDS	AECC Languages	Skill Enhancement courses(SEC) Multidisciplinary	Total
I	4 x (4+2)=24		4	SEC-1(1)	30
				VBC (1)	
II	4 x (4+2)=24		4	SEC II (2)	30
III	3 x (4+4)=24			SEC III (2)	26
IV	3 x (4+4)=24		4(EVS)	SEC IV (2)	30
V		DSE[4x(2+2)= 16]	4	SEC V (2)	22
VI		DSE[4x(2+2)= 16]	4	SEC VI (2)	22
	Total credits				160

Programme Structure for Bachelor of Science with Chemistry as a Major subject With Multiple Entry Multiple Exit Options

SEM	Discipline Specific CoreCourses (DSC) (L+P) (Credits)	Discipline Specific Elective Courses (DSE) (L+P) (Credits)	Ability Enhancement Compulsory Courses (AECC) (L+P) (Credits)	Skill Enhancement Courses(SEC)		Total Credits
				Vocational Courses (L+P) (Credits)(Non	Value Based Courses (P)	
I	Chemistry- (Theory 4 + practical 2 = 6 credits). And any other three courses along with Chemistry, Physics / Botany / Zoology / Microbiology / Geology / Comp. Sc. / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / statistics (courses- 3 x credits- 6=18 credits) **Total credits 24**	--	AECC-1; (4) credits)- Englishfor communication.	SEC-1: (1 –credit) Multidisciplin ary (select From thePool of Courses)	VBC (1 credit)	30
II	Chemistry- Theory credits 4 practical credits 2 Total credits for each subject= 6 credits). And any other three courses along with Chemistry Physics / Botany / Zoology / Microbiology / Geology / Comp. Sc. / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / Statistics (courses- 3 x credits- 6=18 credits) **Total credits 24**	--	AECC- 2: (4 credits) Eng for communicat ion	SEC-2: (2- credit) Multidisciplin ary(select From thePool of Courses)		30
Level 5 : Exit with Certificate Course in Science with the completion minimum credits as per the Shivaji University Guidelines.						

III	**Chemistry (Theory 4 + practical 4) = 8 credits** Along with Chemistry select any two courses form Physics / Botany / Zoology / Microbiology / Geology / Comp. Sc./ Pollution / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / Statistics / Astrophysics/ Plant Protection. (2 courses x 8 credits = 16 credits) **Total credits 24**	--		SEC-3 (2 credits) Multidisciplinary(select from thePool of Courses)		26
IV	**Chemistry (Theory 4 + practical 4) = 8 credits** Along with Chemistry select any two courses form Physics / Botany / Zoology / Microbiology / Geology / Comp. Sc. / Pollution / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / statistics / Astrophysics/ Plant Protection. (2 courses x 8 credits = 16 credits) **Total credits 24**	--	AECC-3 : (4 credits) Environmental Studies (Project)	SEC- 4 (2 credits) Multidisciplinary(select From thePool of Courses)		30
Level 6 : Exit with Diploma in Science (with the completion of with the completion minimum creditsas per the Shivaji University Guidelines.						

V	--	Four DSE courses of Chemistry (Theory credits = 2 + practical credits = 2 Total credits for each course = 4 (4 courses x 4 credits each =16 credits) Total credits= 16	AECC-4 (4 credits) Professional Communication (Eng)	SEC- 5 (2 credits) Multidisciplinary(select From thePool of Courses)		22
VI	--	Four DSE courses of Chemistry (2+2) = 4 credits each (4 x 4 =16 credits) Total credits= 16	AECC-6 (4 credits) Professional Communication (Eng)	SEC- 6 Multidisciplinary (select From the Pool of Courses)		22
	Total credits					160

Level 7 : Exit with three years Bachelor of Science (with the completion minimum credits as per the Shivaji University Guidelines.) or continue studies for Bachelor with (Honours/Research) four year Degree Programme.

Note: 1. For first year Sem-I, students have to select any four DSC courses available at their respective colleges. Same four courses they have to continue for Sem-II.

2. For second year Sem-III, students have to select any three out of four DSC courses of first year. Same three courses they have to continue For Sem-IV.

3. For third year Sem –V, students have to select any one DSC course out of three DSC courses of second year. Same course they have to continue for Sem-VI.

4. For semesters V & VI there shall be four DSE courses (papers) for each semester

5. The DSC courses from C1 to C14 have two papers of 50 marks each with combined passing i.e. minimum 35 marks are required to pass out of 100 marks.

6. Students can exit after Level 5 with Certificate Course in Science (with the completion of courses equal to minimum allotted credits as per shivaji university guidelines)
7. Students can exit after Level 6 with Diploma in Science (with the completion of courses equal to minimum credits allotted by the Shivaji University, Kolhapur
8. Students can exit after Level 7 with Bachelor of Science (with the completion of courses equal to minimum credits allotted by the Shivaji University, Kolhapur
9. SBC: Skill Based Courses (2 credits). Students have to select one for each semester from the pool of courses available at their respective colleges or the pool of courses from Shivaji university .
10. VBC: Value Based Courses , Students have to select one for each semester from the pool of courses available at their respective colleges

13. STANDARD OF PASSING:-

As Prescribed under rules & regulation for each degree.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(MODULE wise weightage of marks should also be mentioned)

Q. 1.A. Multiple choices questions (5 Questions) --- 05 Marks
B. Answer in one sentence (5 Questions) --- 05 Marks

Q.2. Attempt **any two** of the following.

(Essay type/Broad answer questions) ---- 20 Marks

Q.3. Write short notes (**any four out of six**) --- 20 Marks

15. SPECIAL INSTRUCTIONS, IF ANY. --- Nil

B. Sc. I Semester I

DSC-3A- Chemistry paper I (Inorganic Chemistry)

(Theory Credits:04 Hours:30 Lectures:-37.5 of 48 minutes each)

Unit I: Atomic Structure and Periodicity of Elements (09)

1.1 Bohr's theory of hydrogen atom and its limitations

1.2 Wave particle duality

1.3 Heisenberg uncertainty principle

1.4 Quantum numbers and their significance

1.5 Shapes of *s*, *p and d* atomic orbitals

1.6 Electrons filling rules in various orbitals: a) Aufbau's principle b) Hunds rule of maximum multiplicity c) Pauli's exclusion principle

1.7 Electronic configuration of elements. Stability of empty, half-filled and completely filled orbitals

1.8 Periodicity of the elements: General discussion of the following properties of the elements with reference to s block elements: a) electronic configuration b) atomic radii c) ionic radii d) ionization energy e) electron affinity f) electronegativity g) metallic characters h) reactivity i) oxidation state j) melting and boiling points k) chemical properties

Unit II: Chemical Bonding and Molecular structure (A) Ionic Bonding (07)

2:1 Definition and formation of ionic bond. General characteristics of ionic bonding

2:2 Energetic in Ionic bond formation

2:3 Born-Haber cycle for NaCl and its applications

2:4 Fajan's Rule, Applications of Fajan's rule for,

- Polarizing power and polarizability
- Ionic character in covalent compounds
- Bond moment, dipole moment and percentage ionic character

Unit III: Chemical Bonding and Molecular structure (B) Valence bond theory (VBT). (07)

3.1 Concept of hybridization, different types of hybridization and geometry of following molecules,

- Linear geometry- $BeCl_2$ (sp hybridization)

- Planer trigonal geometry- BF_3 (sp^2 hybridization)
- Tetrahedral geometry- $SiCl_4$ (sp^3 hybridization)
- Trigonal bipyramidal geometry- PCl_5 (sp^3d hybridization)
- Octahedral geometry- SF_6 (sp^3d^2 hybridization)
- Pentagonal bipyramidal geometry -IF_7 (sp^3d^3 hybridization)

Unit IV: Chemical Bonding and Molecular structure (C) Molecular orbital theory (MOT) (07)

4.1 LCAO method, formation of bonding , anti bonding and nonbonding molecular orbitals.

4.2 Conditions for successful overlap, Types of overlaps - S-S ,S-px, Px-Px, Py-Py and Pz-Pz overlaps.

4.3 Bond order and its significance.

4.4 Energy level sequence for molecular orbital when n=1&2.

4.5MO diagrams for homonuclear diatomic molecule of 1st & 2nd period Elements (He_2, Li_2, B_2, N_2, O_2).

4.6 Molecular orbital diagrams for heteroatomic diatomic molecules. (CO, NO)

Reference Books:

1) Lee, J.D. *Concise Inorganic Chemistry* ELBS, 1991.
2) Cotton, F.A., Wilkinson, G. & Gaus, P.L. *Basic Inorganic Chemistry*, 3rd ed., Wiley.
3) Douglas, B.E., McDaniel, D.H. & Alexander, J.J. *Concepts and Models in Inorganic Chemistry*, John Wiley & Sons.
4) Huheey, J.E., Keiter, E.A., Keiter, R.L. & Medhi, O.K. *Inorganic Chemistry:*
5) Principles of Structure and Reactivity, Pearson Education India, 2006.
6) Puri, Sharma, Kalia. *Principles of Inorganic Chemistry*
7) Madan R. L.Chemistry for Degree Students(B. Sc. First year),S. Chand Publications

B. Sc. I Semester I

DSC-4A- Chemistry paper II (Organic Chemistry)

(Theory Credits:04 Hours:30 Lectures:-37.5 of 48 minutes each)

Unit I: Fundamentals of Organic Chemistry **(08)**

Introduction, Curved arrow notations, Cleavage of Bonds: Homolysis and Heterolysis. Organic molecular species: Nucleophiles and electrophiles. Electronic Displacements: Inductive Effect Electromeric Effect, Resonance and Hyperconjugation effect, Reactive Intermediates: Generation, Structure, Stability and Reactions of Carbocations,Carbanions and carbon free radicals.

Unit II: Stereochemistry **(09)**

Introduction, Types of Stereoisomerism, Optical Isomerism: Concept of Chirality, Elements of Symmetry, Optical Isomerism in tartaric acid, 2, 3 Dihydroxybutanoic acid, Enantiomerism, Diastereomerism and Meso compounds, Geometrical isomerism in C=C, C=N and alicyclic compounds. Nomenclature of stereoisomers: D and L, erythro and threo, R and S, E and Z.

Unit III: Aromaticity
(07)

Introduction, Characteristics properties of organic compounds, Meaning of terms: Aromatic, Non aromatic, Antiaromatic, Pseudoaromatic , Structure of Benzene: Kekule structure, Resonance structure, M.O. picture, Modern theory of Aromaticity, Mechanism of Electrophilic substitution reactions: Nitration, Sulphonation, Halogenation and Friedelcraft reaction.

Unit IV: Cycloalkanes, cycloalkenes and alkadienes **(06)**

Cycloalkanes: - Introduction. Method of formation - a) By addition of carbene to alkene b) Action of metallic sodium on dihaloalkane c) Diels - Alder reaction d) By reduction of aromatic compounds, Chemical properties- a) Photohalogenation b) Catalytic halogenations c) Catalytic hydrogenation d) Effect of heat e) Reaction with hydrogen halide

Cycloalkenes : Introduction, Method of formation from cyclic compounds, Chemical Properties - a) Hydrogenation b) Addition of Halogens and halogen acids,

c) Allylic halogenations Alkadienes : Introduction, Classification, Buta-1,3-diene - a) Structure b) Methods of formation - from cyclohexane, From Butane by dehydrogenation, From acetylene, From Butane-1,3 - diol, From ethanol and acetaldehyde (Industrial method), Chemical Properties - a) Reaction with hydrogen halide b) Reaction with halogens -With one molar equivalent of halogens (Cl_2 or Br_2) c) Diels- Alder reaction d) Reduction – hydrogenation

e) Oxidation – Ozonolysis f) Polymerization

Reference Books:

1) Graham Solomon, T.W., Fryhle, C.B. & Dnyder, S.A. *Organic Chemistry,* John Wiley& Sons (2014).
2) McMurry, J.E. *Fundamentals of Organic Chemistry*, 7th Ed. Cengage Learning India Edition, 2013.
3) Sykes, P. *A Guidebook to Mechanism in Organic Chemistry,* Orient Longman, New Delhi (1988).
4) Eliel, E.L. *Stereochemistry of Carbon Compounds*, Tata McGraw Hill education, 2000.
5) Finar, I.L. *Organic Chemistry* (Vol. I & II), E.L.B.S.
6) Morrison, R.T. & Boyd, R.N. *Organic Chemistry*, Pearson, 2010.
7) Bahl, A. & Bahl, B.S. *Advanced Organic Chemistry,* S. Chand, 2010.
8) D.Nasipuri :Stereochemistry of Organic compounds
9) R. L. Madan, Chemistry for Degree Students (B. Sc. First Year), S. Chand.Publication

B. Sc. I Semester II

CHEMISTRY-DSC 3B: Chemistry Paper-III (Physical Chemistry)(Theory Credits:04 Hours:30 Lectures:-37.5 of 48 minutes each)

Unit -I Chemical Energetics (06)

A) Thermodynamics

Introduction, Basic concepts of thermodynamics, First law of thermodynamics Spontaneous and non-spontaneous process with examples, Statements of second law of thermodynamics, Carnot's cycle and its efficiency. Entropy, Physical Significance of entropy, Statement of Third Law of thermodynamics and calculation of absolute entropies of substances

B) Thermochemistry (04)

Important principles and definitions of thermochemistry. Concept of standard state and standard enthalpies of formations, integral and differential enthalpies of solution and dilution. Calculation of bond energy, bond dissociation energy and resonance energy from thermochemical data. Variation of enthalpy of a reaction with temperature – Kirchhoff's equation.

Unit II . Chemical Equilibrium: (06)

Chemical Equilibrium: Free energy change in a chemical reaction. Thermodynamic derivation of the law of chemical equilibrium. Distinction between ΔG and ΔG^o , Le Chatelier's principle. Relationships between Kp, Kc and Kx for reactions involving ideal gases.

Unit- III. Kinetic Theory of Gases (07)

Postulates of Kinetic Theory of Gases and derivation of the kinetic gas equation. Ideal and Non ideal gases, Deviation of real gases from ideal behaviour, compressibility factor, causes of deviation. Van der Waals equation of state for real gases. Explanation of real gas behaviour by Van der Waal's equation, Boyle temperature (derivation not required). Critical Phenomena: PV-isotherms of real gases (Andrew's isotherms), Continuity of state, Critical constants and their calculation from vander Waals equation. Maxwell Boltzmann

distribution laws of molecular velocities and molecular energies (graphic representation – derivation not required) and their importance. Temperature dependence of these distributions. Most probable, average and root mean square velocities (no derivation). Numerical Problems.

Unit- IV. Chemical Kinetics (07)

Introduction, Rate of reaction, Definition and units of rate constant, Factors affecting rate of reaction. (Nature of reactant, Concentration, pressure, temperature and catalyst.) Order and Molecularity of reaction, Zero order reaction, First order reaction, Characteristics of first order reaction.examples, Pseudo-unimolecular reactions,examples. Second order reaction: Derivation of rate constant for equal and unequal concentration of the reactants. Characteristics of Second order reaction., Determination of order of reaction by i) integration method ii) graphical method

iii) Half life method, Effect of temperature on rate of reaction, Arrhenius equation, Concept of energy of activation.

Theories of Reaction Rates: Collision theory and Activated Complex theory of bimolecular reactions. Comparison of the two theories (qualitative treatment only). Numerical problems.

Reference Books:

1. Principles of Physical Chemistry Puri, Sharma and Pathania, Vishal PublishingHouse, 44th Edition
2. Advanced Physical Chemistry Gurdeep Raj GOEL Publishing House,36th Edition
3. Essentials of Physical Chemistry,Bahl , Tuli and Bahl
4. Text Book of Physical Chemistry, Soni and Dharmarha
5. Essentials of Nuclear Chemistry by H J Arnikar, New Age, 4th edition.
6. Mathematical preparation of Physical Chemistry : F. Daniel ,Mc-Graw HillBook Company Ltd.
7. Elements of Physical Chemistry : S. Glasstone and D.Lewis(D.Van Nostrand Co.Inc)
8. Physical Chemistry : W. J. Moore (Orient Longman)
9. Principles of Physical Chemistry : Maron Prutton
10. University Chemistry : B. H. Mahan (Addision - Weseley Publ. Co.)
11. Chemistry for Degree students(B. Sc. First Year): R L Madan (S. Chand and Company)

B.Sc. I Semester II

DSC-4B-Chemistry Paper IV (Analytical Chemistry)(Theory Credits:04 Hours:30 Lectures:-37.5 of 48 minutes each)

1. Introduction to analytical Chemistry (06)

1.1 Introduction
1.2 Importance of analysis
1.3 Analytical processes (Qualitative and Quantitative)
1.4 Methods of analysis (Only classification)
1.5 Sampling of solids, liquids and gases
1.6 Errors, types of errors (determinate and indeterminate), methods of expressing accuracy (Absolute and relative error)
1.7 Significant figures, mean, median, standard deviation (Numerical problems expected)

2. Chromatography (06)

2.1 Introduction, Basic Principle of Chromatography, Basic terms, Classification of Chromatography
2.2 Paper Chromatography- Principle, Methodology-types of papers and treatment, sample loading, choice of solvent, development-ascending, descending, circular, location of spots, determination of R_f value, Applications, advantages and disadvantages
2.3 Thin layer chromatography; Principle, Solvent system, stationary phases, preparation of TLC plate, Detecting reagents, methodology-sample loading, development, detection of spot, R_f value, Applications, advantages and disadvantages
2.4 Comparison of paper chromatography and TLC

3. Theory of titrimetric Analysis (06)

3.1 Introduction
3.2 Acid-base indicators
3.3 Theory of indicators w.r.t. Ostwald's ionization theory and quinoid theory
3.4 Neutralization curves and choice of indicators for
   a. Strong acid-strong base
   b. Strong acid-weak base
   c. Strong base-weak acid
3.5 Complexometric titrations
   a. Introduction
   b. Types EDTA titrations
   c. Metallochromic indicators-Eriochrome black- T
   d. Indicator Action of Eriochrome black- T

4. Water Analysis (06)

4.1 Physical analysis of water – pH, Conductance, Colour, odour, Turbidity and taste

4.2 Chemical Analysis – Total Dissolved solids , Hardness, Salinity, Alkalinity, Acidity, Sulphates, Nitrates, Dissolved Oxygen, Chemical Oxygen Demand, Biological Oxygen Demand

5. Analysis of Fertilizers (06)

5.1 Introduction

5.2 Types of fertilizers

5.3 Necessity and requirements of good fertilizers

5.4 Sampling and sample preparation

5.5 Analysis of Nitrogen by Kjeldahl's method

5.6 Analysis of Phosphorus by phosphomolybdate method

5.7 Analysis of Potassium by sodium tetraphenyl borate method

References:

1. Textbook of quantitative Inorganic analysis-A.I. Vogel
2. Instrumental methods of Chemical analysis-H. Kaur
3. Instrumental methods of Chemical analysis-B.K. Sharma
4. Instrumental methods of Chemical analysis-Chatwal Anand
5. Fundamental of analytical Chemistry-Skoog and West
6. Basic Concepts of analytical Chemistry-S.M. Khopkar
7. Analytical Chemistry-Alka Gupta (Pragati Prakashan)
8. Indian Pharmacopoeia
9. Chromatography-H. Kaur
10. Chemistry for Degree students(B.Sc. First Year): R. L. Madan (S. Chand and Company)

B.Sc. I Semester I and II

Practical Course

(Credits 02: Lectures-04per week)

A) Inorganic Chemistry (Any Six)

1. To prepare standard 0.1 N $KMnO_4$ solution and to determine the strength of given oxalic acid solution.
2. To determine quantity of Fe(II)ions from the given solutions by titrating it with 0.1 N $K_2Cr_2O_7$ solution by using internal indicator
3. To estimate amount of Cu (II) ions by iodometric titration by using $Na_2S_2O_3$ solution.
4. To standardize supplied EDTA solution by titrating with 0.01 M $ZnSO_4$ solution and to estimate amount of calcium from given solution by using Erio-T as an indicator.
5. Quality control-To determines percentage purity of the given sample of soda ash $Na_2CO_3$by titrimetric method.
6. Estimation of amount of Acetic acid from the given vinegar sample by titrimetric method
7. Chromatography : Separation and identification of cations by Paper Chromatographic technique from the following mixtures :
   a) Ni^{2+}+ Cu^{2+}
   b) Ni^{2+}+ Co^{2+}

B) Organic Chemistry

1. **Estimations** (any two) :
   1. Estimation of aniline. (by bromination method)
   2. Estimation of acetamide.
   3. Estimation of Aspirin.
2. Organic Qualitative Analysis: Detection of physical constant, type, functional group, elements, and Confirmatory test.
   Identification of Organic Compounds (at least eight) (four containing at least one extra element- N, S, Cl. Br, I)
   a) Acids: Oxalic acid, Benzoic acid, cinnamic acid
   b) Phenols: Beta-Naphthol, Resorcinol
   c) Base: Aniline, p-Nitroaniline

d) Neutral: Acetone, Acetanilide, Chloroform, m-Dinitrobenzene, Thiourea, Bromobenzene

3. Purification of organic compounds by crystallization (from water and alcohol) and distillation.

References:

1) Vogel's Text Book of Quantitative Chemical Analysis. (Longmann) ELBS Edition.
2) Vogel's Text Book of Qualitative Chemical Analysis. (Longmann) ELBS Edition.
3) Hand book of Organic Qualitative Analysis : Clarke.
4) Comprehensive Practical Organic Chemistry – Qualitative Analysis by V. K. Ahluwalia, Sunita Dhingra. University Press. Distributor – Orient Longman Ltd.
5) Comprehensive Practical Organic Chemistry preparation and Quantitative Analysis V. K. Ahluwalia, Renu Aggarwal. University Press. Distributor – OrientLongman Ltd.
6. A Laboratory Hand - Book of Organic Qualitative Analysis and Separation : V. S. Kulkarni. Dastane Ramchandra & Co. Pune

C) Physical Chemistry

Physical Chemistry (Any Six)

1. Determination of equivalent weight of Mg by Eudiometer.
2. Study of specific reaction rate of hydrolysis of methyl acetate in presence of HCl.
3. Determination of heat of ionization of weak acid by using polythene bottle.
4. Determination of heat capacity of calorimeter for different volumes.
5. Determination of enthalpy of neutralization of hydrochloric acid with sodiumhydroxide.
6. Determination of integral enthalpy of solution of salts (KNO_3, NH_4Cl).
7. Determination of enthalpy of hydration of copper sulphate.
8. Study of the solubility of benzoic acid in water and determination of ΔH.

References:

1) Practical book of Physical Chemistry: Nadkarni, Kothari & Lawande.

2) Experimental Physical Chemistry: A. Findlay.
3) Systematic Experimental Physical Chemistry: S. W. Rajbhoj, Chondhekar.(Anjali Publication.)
4) Experiments in Physical Chemistry: R. C. Das and B. Behra. (Tata Mc Graw Hill)
5) Advanced Practical Physical Chemistry: J. B. Yadav (Goel Publishing House.)
6) Practical Physical Chemistry: B. D. Khosala. (R. Chand & Sons)
7) Experiments in Chemistry: D. V. Jahagirdar.
8) A Text Book of Quantitative Inorganic Analysis Including Elementary InstrumentalAnalysis: A.I. Vogel (Third Ed.) (ELBS)

Course Outcomes

- Understand the principles of various fields of chemistry (organic, inorganic, physical, analytical, and biochemistry)
- Develop as independent thinkers who are responsible for their own learning.
- Develop transferrable quantitative skills.
- Be able to work with others demonstrating leadership and collaborative skills.
- To provide knowledge on theory and applications of different Analytical Techniques used in Chemistry.
- Students will able to develop a skill in the chromatography techniques.

(A) LABORATORY SAFETY EQUIPMENTS:

i)Fire extinguishers at least two sets in each laboratory of 600 sq.ft. Area.

ii) Leakage of gases be avoided.

iii) First aid kit be made available.

iv) Sugar / Glucose –500gm pack- a pinch of sugar and a cup of drinking water in hypoglycemic condition or in extreme weakness of student or a personconcerned

B) GENERAL SAFETY RULES FOR LABORATORY WORK

1) List of equipments needed for Laboratory Safety:-
   1. Fire extinguisher
   2. First Aid Kit

3. Good ear thing and insulated wirings for electrical supply.
4. Emergency exit
5. Apron and goggles wherever necessary
6. Fuming Chambers
7. Masks flows and shoes while handling hazardous chemicals & gases (Goodvalves, manometers and regulators for gas supply)
8. Operational manuals for instruments (handling to be made as suggested.)
9. Leakage of gases to be avoided.
10. Cylinders or flow pipes to handle Acids.
11. No weighing for NaOH and hygroscopic substances.
12. Stabilized supply in the laboratory.
13. Inorganic heavy chemicals like acids must be kept in separate acid room
14. Solvents like ether, acetone must be stored in separate cold solvent room.
15. Storage of gas cylinder must be done in separate and safe gas room.

2) There Is No Substitute for Safety

1. Any injury no matter how small, it must be reported to teacher immediately.
2. a) In case any chemical enters your eyes go immediately to eye- wash facilityand flush your eyes and face with large amount of water.

b) For acid or phenol split, do not use water instead put some bicarbonate.

3. In case of fire, immediately switch of all gas connections in the laboratory and pour sandon the source of fire or cover it with asbestos or cement sheet.
4. While leaving laboratory, make sure that gas, water taps and electricity are switched off.
5. Remove your lab coat. Gloves and clean your hands before leaving laboratory.
6. Make your workplace clean before leaving the laboratory.
7. Keep your hands away from your face, while working in laboratory.
8. Each laboratory must have a first aid box.

3) DO's

1. Always wear lab coat, shoes in the laboratory. Every student must have their weight box,a napkin etc.

2. Maintain separate record book for each subject.
3. Keep your belongings at the place allotted for the same.
4. Maintain silence, order, cleanliness and discipline in the laboratory.
5. Work at the place allotted to you or specially used for certain operations.
6. Keep the working table clean.
7. Handle the laboratory equipments, glassware and chemical with great care.
8. Use only required quantities of material and apparatus of essential size.
9. Perform the test in their proper order.
10. Know the location of eye wash fountain and water shower.
11. Minimize your exposure to organic solvents.
12. The Metal like sodium should be kept under kerosene or liquid paraffin layer in a vesselwith a cork stopper.
13. Sodium metal should be cut on dry filter paper. The cut off pieces of sodium should beimmediately collected in a vessel containing kerosene or liquid paraffin.
14. Always pour acid into water when diluting and stir slightly.
15. All operations involving poisonous flammable gases and vapours should be carried out inthe flame chamber (with exhaust facility)
16. Ladies should avoid wearing saree. If it is there, apron is essential.

4) DON'T

1. Don't work alone in the laboratory
2. Don't leave the glass wares unwashed.
3. Don't take apparatus, chemicals out of lab.
4. Don't leave any substance in a vessel or bottle without label.
5. Don't weigh the reagent directly on the balance pan.
6. Don't throw the cut off pieces of sodium metal in sink or water. Transfer it immediatelyin its container.
7. Don't take sodium metal with hands. Use forceps.
8. Don't panic and run in case of fire. Use the fire extinguishers or sand buckets.
9. Don't breathe the vapours of organic solvents.
10. Don't pour any unused reagent back in its stock bottle.
11. Don't eat or drink any food in laboratory.
12. Don't use inflammable solvents like benzene, ether, chloroform, acetone and alcoholaround flame.
13. Don't distill to dryness.

14. Don't exchange stoppers of flasks and bottles containing different reagents.
15. Don't leave reagent bottle lying on the table.
16. Don't disturb the order of reagent bottles in which they are placed.
17. Don't bring reagent on your working table from the general shelf.
18. Don't throw burning matchstick into dustbin.
19. Don't leave the laboratory without permission.

PROGRAM SPECIFIC OUTCOMES (PSO) OF CHEMISTRY:

In life science plant science is one of the most important basic and applied subject. Plants synthesized their own food material and provides the food and oxygen to all living organism. Most of the basic requirements fulfilled by the plants. This course has been designed to give the fruitful knowledge and to develop the commercial soft skills in the various aspects of plant science.

PSO 1: To understands the basic ideas of subject in all the discipline like configuration, structure, reaction mechanism

PSO 2: 1. To promote understanding of basic facts and concepts in Chemistry while retaining the excitement of Chemistry

2. To make students capable of studying Chemistry in academic and Industrial courses and to expose the students to different processes used in Industries and their applications.
3. To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.
4. To develop problem solving skills in students.
5. To developed ability and to acquire the knowledge of terms, facts, concepts, processes, techniques and principles of subjects.
6. To develop ability to apply the knowledge of contents of principles of chemistry.
7. To inquire of new knowledge of chemistry and developments therein.
8. To expose and to develop interest in the fields of chemistry
9. To develop proper aptitude towards the subjects
10. To develop the power of appreciations, the achievements in Chemistry and role in nature and society.
11. To develop skills required in chemistry such as the proper handling of apparatus and chemicals

Shivaji University

Kolhapur

Accredited By NAAC with 'A^{++}' Grade

Revised Syllabus for Bachelor of Science

Part-II

Chemistry

(As per NEP-2020)

To be implemented from

June, 2023 onwards

Structure of B. Sc. II Chemistry

Sr. No.	Semester	Title of Paper
1	III	DSC-3C Paper-V (Physical Chemistry) (2 credit: 30 Hours, 37 Lectures)
2		DSC-4C Paper -VI (Analytical Chemistry) (2 credit: 30 Hours, 38 Lectures)
4	IV	DSC-3D Paper -VII (Inorganic Chemistry) (2 credit: 30 Hours, 37 Lectures)
5		DSC-4D Paper -VIII (Organic Chemistry) (2 credit: 30 Hours, 38 Lectures)

B.Sc. Part II (NEP) Semester– III

DSC-3C: Paper V (PHYSICAL CHEMISTRY)

(Credits: 02, 30 hours, 37 Lectures)

Name of the Topics	**Expected Learning Outcome**
1. Electrolytic Conductivity	Learning and coherent understanding of conductivity and transport number of the aqueous solutions with different applications. Experimental determination of transport number and numerical problems
2. Thermodynamics	Knowledge and coherent understanding of basic concepts in thermodynamics and concept of Entropy will be gained by the student.
3. Chemical Kinetics	Learning and understanding the knowledge about basic concepts in kinetics and third order reaction with characteristics, suitable examples, and methods for determination of order of reactions and numerical problems.
4. States of Matter	Learning and coherent understanding of behavior of gases, ideal gas as model system and its extension to real gases. The dependence of physical state on P, V and T. Liquid crystals are essentials in all common and research devices, hence they are introduced with suitable examples.
5. Surface Chemistry	Learning and understanding of theoretical basis of adsorption phenomenon, dynamic nature of surface and its applications.

Unit 1: Electrolytic Conductivity (6 hours)

1.1 Introduction, Migration of ions.

1.2 Hittorf's rule, Transference number, determination of transport number using Hittorf's method and moving boundary method, factors affecting transport number: nature of electrolyte, concentration, temperature, complex formation and degree of hydration.

1.3 Kohlrausch law of independent migration of ions and its applications such as relations between ionic conductance, ionic mobility and transport number, determination of equivalent conductance at infinite dilution of weak electrolytes, determination of degree of ionization of weak electrolyte, solubility and solubility products of sparingly soluble salts.

1.4 Conductometric titrations (only acid -base titrations with mixture of strong and weak acid). Advantages of conductometric titrations.

1.5 Numerical problems.

Unit 2: Thermodynamics (6 hours)

2.1 Introduction, Concept of Entropy: Definition, mathematical expression, unit.

2.2 Physical significance of Entropy.

2.3 Entropy changes for reversible and irreversible processes in isolated systems.

2.4 Entropy changes for an ideal gas as a function of V & T and as function of P & T.

2.5 Entropy change in mixing of gases.

2.6 Entropy change in phase transformations.

2.7 Third law of thermodynamics, standard entropy, application of third law of thermodynamics in determination of absolute entropy, Entropy changes in chemical reactions

2.8 Numerical problems.

Unit 3: Chemical kinetics **(4 hours)**

3.1 Introduction.

3.2 Third order reactions: derivation of rate constant considering reaction with Equal initial concentration, characteristics, and examples of third order reaction.

3.3 Determination of order of reaction by: i) Integration method, ii) Graphical method and iii) Half-life method.

3.4 Effect of temperature on rate of reaction, Arrhenius equation. Concept of energy of activation.

3.5 Numerical problems.

Unit 4: States of Matter **(8 hours)**

4.1 Introduction, States of matter and their properties.

A) Gaseous state:

4.2 Postulates of Kinetic Theory of Gases and derivation of the kinetic gas equation.

4.3 Ideal and Non ideal gases, Deviation of real gases from ideal behavior, compressibility factor, causes of deviation.

4.4 Van der Waals equation of state for real gases. Explanation of real gas behavior by Van der Waal's equation, Boyle temperature (derivation not required).

4.5 Critical Phenomena: PV-isotherms of real gases (Andrew's isotherms), Continuity of state, Critical constants and their calculation from Vander Waals equation.

B) Liquid state:

4.6 Liquid crystals: Difference between liquid crystal, solid and liquid.

4.7 Classification, structure of nematic, smectic and cholestric liquid crystal.

4.8 Thermography and seven segment cell.

4.9 Numerical Problems.

Unit 5: Surface Chemistry **(6 hours)**

5.1 Introduction, Adsorption as a surface phenomenon, Definition of adsorption, adsorbent, adsorbate. Characteristics of adsorption.

5.2 Factors affecting adsorption, Types of adsorption, Distinction between physical and chemical adsorption,

5.3 Adsorption isotherms: Freundlich adsorption isotherm, Langmuir adsorption isotherm. BET equation.

5.4 Applications of adsorption.

Reference Books:

1) Barrow, G.M. Physical Chemistry Tata McGraw-Hill (2007).

2) Castellan G.W. Physical Chemistry 4 th Ed. Narosa (2004).

3) Kotz, J.C. Treichel, P.M.& Townsend,J.R.General Chemistry, Cengage Learning India Pvt Ltd: New Delhi (2009).

4) Mahan ,B.H. University Chemistry, 3rd Ed. Narosa (1998).

5) Petrucci, R.H. General Chemistry, 5th Ed., Macmillan Publishing Co,: New York (1985).

6) Elements of Physical Chemistry, S., Glasstone, D. Lewis.(2010)

7) Principles of physical Chemistry, Marron and Prutton. (2007).

8) Elements of Physical Chemistry, P.W.Atkins (2017-18)

9) Essentials of Physical Chemistry, Bahl and Tuli. S. Chand, 2010.

10) Physical Chemistry, Danials and Alberty (2016)

11) University General Chemistry C.N.R.Rao (2016)

12) Principals of Physical Chemistry Puri, Sharma and Pathania 47ThEdison,Vishal Publishing Co. Daryaganj Delhi. 110002 (2017-18)

13) Physical Chemistry A.J.Mee.(2015)

14) Advanced Physical Chemistry Gurudeep Raj (2017-18)

15) Physical Chemistry R.A.Aleberty. (2017-18)

16) Petrucci, R.H. General Chemistry 5th Ed. Macmillan Publishing Co.: New York (1985).

B.Sc. II Semester III

DSC 4C- Chemistry Paper VI (Analytical Chemistry)

(Theory- Credits: 02, 30 hours, 38 Lectures)

Name of the Topics	Expected Learning Outcome
1. Gravimetric Analysis	Learning and understanding of basic concepts in gravimetric analysis
2. Water Analysis	Students will learn the different water analysis techniques
3. Corrosion and electroplating	Learning and understanding the knowledge about basic concepts in corrosion and electroplating, mechanism of corrosion, principle of electroplating
4. Chromatographic techniques	Learning and coherent understanding of column and ion exchange chromatography
5. Petroleum industry, biofuels and IPR	Learning of working of petroleum industries, understanding of biofuels, copyrights and trademarks

Unit I Gravimetric Analysis [6 hours]

Introduction, Gravimetric analysis by precipitation: nucleation, crystal growth, digestion/ageing, filtration, drying, ignition, weighing, optimum condition for good precipitation, Physical nature of precipitate, Purity of precipitate: co-pecipitation, post-precipitation Organic precipitates and their applications.

Unit II Water Analysis [4 hours]

Physical analysis of water: pH, Conductance, Color, Odor, Turbidity and taste, Chemical Analysis Total dissolved solids, Hardness and its determination, Salinity, Alkalinity, Acidity Sulphates, Nitrates, Dissolved oxygen, Chemical oxygen demand, Biological oxygen demand.

Unit III Corrosion and electroplating [6 hours]

A) Corrosion -Introduction of corrosion, Electrochemical theory of corrosion, Factors affecting on corrosion -i. Position of metals in the electrochemical series on the basis of standard reduction potential ii. Purity of metal iii. Effect of moisture iv. Effect of oxygen (differential aeration principle) v. Hydrogen overvoltage, Methods of protections of metals from corrosion alloy formation, making metal cathodic, controlling external condition. Coating-galvanising, Tinning, electroplating, metal cladding, organic coating.,

B) Electroplating: Electrolysis, Faraday's laws, Cathode current Efficiency, Basic principles of electroplating, cleaning of articles, Electroplating of chromium, Anodising

Unit IV. Chromatographic techniques [7 hours]

Introduction, classification. Column chromatography: Introduction, types, Principle of adsorption column chromatography, solvent system, stationary phases, Methodology-Column packing, applications of sample, development, detection methods, recovery of components, Applications. Ion exchange chromatography: Introduction, Principle, Types and properties of ion exchangers, Methodology-Column packing, application of sample, elution, detection/analysis, Applications.

Unit V. Petroleum industry, biofuels and IPR [7 hours]

A] Petroleum industry Introduction, occurrence, composition of petroleum, resources, processing of petroleum, calorific value of fuel, cracking, octane rating (octane number), cetane number, flash point, petroleum refineries, applications of petrochemicals, synthetic petroleum, lubricating oils & additives.

B] Biofuels: Biodiesel, Bio-ethanol

C] IPR- Introduction to copyright and Trademark

Reference Books:

1) Principles of Physical Chemistry by Puri, Sharma and Pathania, VishalPublishing company Jalindhar

2) Essential of Physical Chemistry by Bahl B.S., Tuli G.D. and BahlArun, S.Chand and Company Ltd.New Delhi

3) Modern Analytical Chemistry By David Harvey, McGRAW-Hill International Edition, 2000

4) Industrial chemistry by B.K.Sharma, Goel Publishing Housing, 16th edition2011

5) Advanced Inorganic Chemistry, Vol.No.1, by Gurudeep Raj, Krishna Prakashan Media Ltd, Goel Publication, Meerut

6) Analytical chemistry by B.K. Sharma, Krishna Prakashan Media Ltd, Meerut, edition 3rd 2011

7) Principles of electroplating and electroforming by Blum and Hogaboom

8) Chemical Process Industries by Shreve and Brink

9) Industrial Chemistry by Loutfy Madkor and Helen Njenga

10) Elementary Principles of Chemical Processes by Richard Felder and Ronald Rousseau, John Wiley and Sons

B. Sc. Part II (CBCS) (NEP 2020) Sem IV

Paper No. DSC-D3- Chemistry paper No. VII (Inorganic Chemistry)

(Theory Credits: 02, 30 hours, 37 Lectures)

Expected learning Outcomes:

Name of the topic	Expected Learning Outcome
1. Co-ordination Chemistry	Learning and understanding basic concepts about coordination complexes.
2. Chelation	Gain knowledge about applications of chelates in Analytical chemistry.
3. Chemistry of elements of 3d series elements	Student will be capable of understanding the properties of 3d series elements.
4. Chemistry of 4f elements (Lanthanides).	Understanding the properties of 4f elements.
5. Inorganic Semi - micro Qualitative Analysis	Student will learn the basic knowledge about the qualitative analysis of inorganic compounds.

Unit 1: Co-ordination Chemistry (8 hours)

1.1 Introduction-Definition and formation of co-ordinate covalent bond in BF_3– NH3, $[NH_4]^+$ and H_2O

1.2 Terminology- Description of the terms- ligand, co-ordination number, co-ordination sphere

1.3 Effective atomic number rule.

1.4 Distinguish between double salt and complex salt.

1.5 Werner's theory

1.5.1 Postulates.

1.5.2 The theory as applied to cobalt amines viz. $CoCl_3.6NH_3$, $CoCl_3.5NH_3$, $CoCl_3.4NH_3$, $CoCl_3.3NH_3$

1.6 IUPAC nomenclature of coordination compounds.

1.7 Isomerism in complexes with C.N. 4 and 6

1.7.1 Geometrical Isomerism,

1.7.2 Optical Isomerism

1.7.3 Structural Isomerism-Ionization Isomerism, Hydrate Isomerism, Coordination Isomerism, Linkage Isomerism and Co-ordination position Isomerism

1.8 Valance bond theory of transition metal complexes with respect to, C.N. = 4, complexes of Cu and Ni, C.N. = 6 complexes of Fe and Co

Unit 2: Chelation (4 hours)

2.1 A brief introduction with respect to ligands, chelating agent, chelation and metal chelates.

2.2 Structural requirements of chelate formation

2.3 Difference between metal chelate and metal complex

2.4 Classification of chelating agents (with specific illustration of bidentate chelating agents)

2.5 Application of chelation with respect to chelating agents - EDTA and DMG

Unit 3: Chemistry of Elements of 3d Series Elements (6 hours)

3.1 Position of elements in periodic table

3.2 Characteristics of d-block elements with special reference to

i) Electronic structure

ii) Oxidation states, stability of oxidation states of Fe with respective to Latimer diagram

iii) Magnetic character

iv) Colored ions

v) Complex formation.

Unit-4. Chemistry of 4f Elements (Lanthanides) (5 hours)

4.1 Position of lanthanides in periodic table

4.2 Occurrence

4.3 Characteristics of 4f elements with special reference to

4.3.1 Electronic configuration

4.3.2 Oxidation states

4.3.3 Magnetic properties

4.3.4 Lanthanide contraction

4.4 Separation of lanthanides by ion exchange method.

Unit-5. Inorganic Semi-micro Qualitative Analysis (7 hours)

5.1 Theoretical principles involved in qualitative analysis.

5.2 Applications of solubility product and common ion effect in separation of cations into groups.

5.3 Applications of complex formation in

a) Separation of II group into IIA and IIB sub-groups.

b) Separation of Copper from Cadmium.

c) Separation of Cobalt from Nickel.

d) Separation of Cl^-, Br^-, I^-.

e) Detection of NO_2^-, NO_3^- (Brown ring test).

5.4 Application of oxidation and reduction in

a) Separation of Cl^-, Br^-, I^- in mixture

b) Separation of NO_2^- and NO_3^- in mixture.

5.5 Spot test analysis.

Reference Books:

1. Inorganic chemistry, Principles of structure and reactivity by J.E. Huheey and etal
2. Inorganic Chemistry by Shriver and Atkins 5th edition
3. Vogels text book of Qualitative Inorganic analysis by A. I. Vogel .3rd and 6th edition
4. Advanced Inorganic Chemistry by Agrawal Keemtilal (Pragati Prakashan)
5. Theoretical Inorganic chemistry by C.Day & J.Selbin IInd edition
6. Principles of inorganic chemistry by Puri Sharma & Kalia
7. Modern Inorganic chemistry by R.D.Madan (S.Chand)
8. Inorganic Chemistry by J.D.Lee
9. Basic Inorganic Chemistry by F.A.Cotton,G.Wilkilson & B.L.Gaus wiley
10. Chemistry for Degree students by R.L.Madan (S.Chand Publication
11. Concise Coordination Chemistry by Ramlingam, Ramgopalan

B. Sc. Part II Sem IV, NEP-2020

Paper No. DSC- D4 - Chemistry Paper No. VIII (Organic Chemistry)

(Theory Credits: 02, 30 hours, 38 Lectures)

Expected Learning Outcomes:

Name of the topic	**Expected Learning Outcomes**
1. Carboxylic acids and their derivatives.	To impart knowledge about the synthesis, reactivity and applications of carboxylic acids.
2. Amines and Diazonium Salts	Knowledge about classification, preparation and applications of amines and diazonium salts.
3. Carbohydrates	Understanding the classification, configuration and structure of carbohydrates.
4. Carbonyl Compounds - Aldehydes and Ketones	Student will be capable of understanding the nomenclature and reactivity of aldehydes and ketones.
5. Stereochemistry	Student will learn the basic knowledge of conformational analysis of some organic compounds.

Unit 1: Carboxylic Acids and Their Derivatives. [6 hours]

1.1 Monocarboxylic acid: Introduction, Methods of Formation from Alcohols, Aldehydes, Ketones, Nitriles and Alkyl benzenes.

1.2 Halo acids: a) Synthesis of halo acids-Mono, Di, Tri- chloro acetic acid by HVZ reaction b) Reactions - Substitution reaction of Monochloro acetic acid by Nucleophile OH^-, I^-, CN^- and NH3

1.3 Hydroxy acids: Citric acid

a) Methods of formation of Citric acid from glycerol.

b) Chemical Reactions: Reaction of citric acid: acetylation by acetic anhydride,

reduction by HI, action of heat.

1.4 Di carboxylic acids:

a) Introduction

b) Method of formation of succinic acid from ethylene dibromide, maleic acid

c) Chemical Reactions: Action of heat, Action of $NaHCO_3$, C_2H_5OH in presence of acid.

d) Method of formation Phthalic acid from o-xylene and Naphthalene

e) Chemical Reactions of Phthalic acid : Action of heat, reaction with sodalime, ammonia.

1.5 Carboxylic acid derivatives:

a) Introduction

b) Acid halide derivative: Acetyl chloride: i)Synthesis from acid, by action with PCl_3 and $SOCl_2$.

ii) Reaction with water, alcohol (Mechanism of esterification is expected) and ammonia.

c) Acid anhydride derivative:

i)Synthesis of acetic anhydride by dehydration of acetic acid.

ii) Reactions with water, alcohol and ammonia.

Unit 2: Amines and Diazonium Salts: [5 hours]

2.1 Amines

i) Introduction, Classification and Nomenclature

ii) Methods of preparation:

a) From alkyl halide by amonolysis

b) By reduction of nitriles or cyanides

c) From unsubstituted amides (Hoffmann degradation),

d) By Gabrial synthesis (From Phthalamide).

iii) Reactions: Carbylamine reaction, Schotten-Baumann reaction, Electrophilic

substitution (Aniline) - Nitration, Bromination, Sulphonation.

2.2 Diazonium salt:

i) Introduction

ii) Preparation of Benzene diazonium chloride.

iii) Reactions of Benzene diazonium chloride.

a) Replacement reaction -Sandmeyers reaction.

b) Coupling reactions: Synthesis of Congo red.

Unit 3: Carbohydrates [6 hours]

3.1 Introduction.

3.2 Classification of carbohydrates, reducing and non-reducing sugars.

3.3 Physical properties of glucose and fructose.

3.4 Killiani's synthesis of Glucose from D- Arabinose.

3.5 Determination of structure of D- Glucose.

a) Open chain structure of D- Glucose.

b) Configuration of D- Glucose from D- Arabinose.

c) Ring structure of D- Glucose.

d) Size of ring in D- Glucose by methylation Method.

e) Haworth projection for D- Glucose.

3.6 Cyclic structure of Fructose

3.7 Structures of Disachharides

a) Linkage between Monosachharides

b) Open chain and Haworth cyclic structures of Sucrose, Lactose and Maltose.

3.8 Structures of Polysachharides: a) Starch b) Cellulose

Unit 4: Carbonyl Compounds- Aldehydes and Ketones [6 hours]

4.1 Introduction, Nomenclature of aliphatic and aromatic aldehydes and ketones.

4.2 Structure and reactivity of Carbonyl group.

4.3 Reactions of Carbonyl Compounds- Mechanism and applications of -----

i) Aldol condensation, ii) Claisen and Benzoin Condensation, iii) Perkins reaction, iv) Cannizaros reaction, v) Knoevenagel condensation and vi) Reformatsky reaction.

Unit 5: Stereochemistry [7 hours]

5.1 Conformational isomerism – Introduction.

5.2 Representation of conformations of ethane by using Saw- Horse, Fischer (dotted line wedge) and Newmann's projection formulae.

5.3 Conformations and conformational analysis of ethane and n-butane by Newmann's Projection formula with the help of energy profile diagrams.

5.4 Relative stability cycloalkanes - Baeyer's strain theory and Theory of strainless rings.

5.5 Conformations and stability of cyclohexane

5.6 Conformation and stability of methyl cyclohexane.

5.7 Locking of conformation in t-butyl cyclohexane.

Reference Books:

1. Morrison, R. T. & Boyd, R. N. Organic Chemistry, Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).

2. Stereochemistry conformation & Mechanism, 9th Edition, By P.S.Kalasi, Publisher: New Age International, 2017

3. Stereochemistry of carbon compounds by Eliel..

4. Stereochemistry of Organic Compounds by D. Nasipuri.

5. Finar, I. L. Organic Chemistry (Volume 1), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).

6. Finar, I. L. Organic Chemistry (Volume 2), Dorling Kindersley (India) Pvt. Ltd.

7. Organic Chemistry. Volume I, II, III by S.M. Mukharjee, S.P. Singh and R.P. Kapoor. Wiley Eastern Limited (New Age International)
8. Advanced Organic Chemistry by, B.S. Bahl, ArunBahl. S.Chand& Company, Ltd.
9. Chemistry by R. L. Madan, S. Chand and Company Ltd.

B.Sc. II Practical Paper Course
(Credit: 04, 8 hours per week)

A] Physical chemistry:

1) To study the hydrolysis of methyl acetate in presence of HCl and H_2SO_4 and to determine the relative strength of acids.
2) To study the effect of acid strength on hydrolysis of an ester by using 0.5M HCl and 0.25M HCl.
3) To study the reaction rate of hydrolysis of an ethyl acetate by an alkali.
4) To study the reaction between potassium persulphate and Potassium iodide in Solution with unequal concentration of the reactants.
5) To determine the degree of dissociation and dissociation constant of acetic acid at various dilutions and to verify Ostwald's dilution law conductometrically.
6) To determine the normality of the given strong acid by titrating it against the strong alkali conduct metrically.
7) To determine the normality of the given weak acid by titrating it against the strong alkali conductometrically.
8) To determine the percentage composition of a given liquid mixture by viscosity method (Density data to be given).
9) To determine the specific and molar refractions of benzene, toluene and xylene by Abbe's refractometer and to determine the refraction of CH_2 Group (Methylene group) (Densities should be determined by students).
10) To determine the specific rotation and unknown concentration of sugar solution.

11) Determination of adsorption coefficient of acetic acid-charcoal system.

B) Inorganic Chemistry

1) Gravimetric Analysis (Any two)

i) Gravimetric estimation of iron as Fe_2O_3 from a solution containing Ferrous ammonium sulphate and free sulphuric acid.

ii) Gravimetric estimation of barium as $BaSO_4$ from a solution containing barium chloride and free hydrochloric acid.

iii) Gravimetric estimation of nickel as $Ni(DMG)_2$ from a solution containing $NiSO_4.7H_2O$ and free sulphuric acid.

iv)Gravimetric estimation of aluminium as Aluminium oxinate from a solution containing aluminium sulphate or potash alum and free sulphuric acid.

2) Inorganic Preparations (Any Two)

i) Preparations of sodium cuprous thiosulphate

ii) Preparation of tris (ethylene diamine) nickel (II) thiosulphate

iii) Preparation of hexammine nickel (II) chloride

iv) Preparation of tetrammine copper (II) sulphate.

3) Semi-micro Qualitative Analysis

Analysis of binary mixtures with non interfering cations and anions (at least 6 mixtures to be analyzed)

i) Following anions are to be given :

Cl^-, Br^-, I^-, NO_3^-, CO_3^{--}, SO_4^{--} , S^{--}, (insoluble CO_3^{--} may be given)

ii) Following cations are to be given :

Cu^{2+}, Cd^{2+}

Al^{+3}, Fe^{+3}, $Cr^{+3.}$

Zn^{+2}, Mn^{+2}, Ni^{+2}, Co^{+2}, Ca^{+2}, Ba^{+2}.

Mg^{+2}, NH^{4+}, K^+

Note:- Use of spot tests to be made whenever possible.

4) Titrimetric Analysis (Any Four):

i) Fertilizer analysis: To determine percentage of nitrogen in the given sample of a nitrogenous fertilizer (ammonium sulphate). Known weight of the sample to be taken by the student. For preparing its solution which is to be refluxed with known excess of alkali. Standard HCl solution to be supplied.

ii) Analysis of Synthetic /Commercial Sample: To estimate Magnesium from talcum powder.

iii) Determination of alkali content from antacid tablet using HCl solution .

iv) Estimation of Calcium from chalk: To estimate amount of calcium from the chalk by titrimetric method. (By redox titration using $KMnO_4$ solution)

v) Determination of total hardness of water using 0.01M EDTA solution.

(Students should standardize the given EDTA solution by preparing 0.01M $CaCl_2$ solution. using $CaCO_3$ salt.)

C) Organic Chemistry:

1) Organic Qualitative Analysis : Identification of at least Eight Organic compounds with reactions including two from acids, two from phenols, two from bases and two from neutrals.

Acids – Succinic acid, Phthalic acid, alicylic acid, Aspirin.

Phenols – Alpha-Naphthol, o-nitrophenol, p-nitrophenol.

Bases – o, m- and p-nitroanilines, Diphenyl amine.

Neutrals – Urea, Acetanilide, Carbon tetrachloride, Bromobenzene, Methyl acetate, Nitrobenzene, Naphthalene, Anthracene, Ethyl methyl ketone.

Note: A systematic study of an organic substance involves reactions in the determination of elements and functional group.

2) Organic Quantitative Analysis:

I) Estimations (Any Three)

i) Estimation of acetone.

ii) Estimation of vitamin C.

iii) Estimation of Phenol by Bromination method

iv) Estimation of formaldehyde by sodium sulphite method

v) Estimation of ester.

II) Organic preparations

i) p-nitro acetanilide from acetanilide.

ii) Acetanilide from aniline using anhydrous ZnCl2 and Zn dust.

iii) Phthalimide from phthalic anhydride.

iv) Benzoic acid from benzamide.

3) Demonstration of Thin layer chromatography. Separation, identification and determination of Rf values

Reference Books :

1) Mendham, J.Vogel's Quantitative Chemical Analysis, Pearson 2009.

2) Khosla, B. D.; Garg, V. C. &Gulati, A.Senior Practical Physical Chemistry, R. Chand & Co: New Delhi (2011).

3) Findlay' Practical Physiccal Chemistry (Longmann)2015.

4) Practical Physical Chemistry :Gurtu (S Chand) 2014.

5) Systematic Experimental Physical Chemistry :Rajbhoj, Chandekar(Anjali Publication) 2016.

6) Advanced Practical Physical Chemistry: J.B. Yadav (Goel Publishing House) 2015.

7) Vogel's text book of Qualitative Inorganic analysis by A. I. Vogel .3rd and 6th edition

8) Vogel's text book of Quantitative Inorganic Chemistry by A. I. Vogel.

9) Physical Chemistry of Inorganic qualitative analysis by Kuricose & Rajaram.

10) Practical manual in water Analysis by Goyal & Trivedi

11) Practical Organic Chemistry by A.I. Vogel.

12) Hand book of Organic qualitative analysis by H.T. Clarke.

13) A Laboratory Hand Book of Organic qualitative analysis and separation by V.S. Kulkarni. Dastane Ramchandra& Co.

14) Practical Organic Chemistry by F.G. Mann and B.C. Saunders. Low – priced Text Book. ELBS. Longman

15) Advanced Practical Organic Chemistry by N.K. Vishnoi. Vikas Publishing House Private Limited.

16) Advanced practical chemistry by J. Singh, L. D. S. Yadav, R. K. P. singh, I. R. Siddiqui et.al, Pragati prakashan.

Shivaji University, Kolhapur

B.Sc. II Chemistry Revised Syllabus (NEP-2020)

from June 2023 onwards

Semester III & IV Nature of Question paper

Total Marks 40

Q.1 Choose the correct alternative and rewrite the sentence again. 08 Marks

i)

ii)

iii)

iv)

v)

vi)

vii)

viii)

Q.2. Attempt any TWO of the following (Out of Three) 16 Marks

a)

b)

c)

Q.3. Answer any FOUR of the following (Out of SIX) 16 Marks

a)

b)

c)

d)

e)

f)

Shivaji University, Kolhapur

B.Sc. II Chemistry Revised Syllabus (NEP-2020)

From June 2023 onwards

Total Marks 100

Nature of Practical Examination

Q. 1 Physical Section Experiment	25 Marks
Q. 2 Organic Section Experiment	30 Marks
Q. 3 Inorganic Section Experiment	35 Marks
Q. 4 Journal	10 Marks

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA
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शिवाजी विद्यापीठ, कोल्हापूर – 416004.
दुरध्वनी (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग– २६०९०९४)
फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३.e-mail:bos@unishivaji.ac.in

Estd. 1962
NAAC 'A' Grade

SU/BOS/Sci & Tech/433 **Date: 17/06/2023**

To,
The Principal,
All affiliated college,
Shivaji University, Kolhapur.

Subject: Regarding minor change in Syllabus of **B.Sc. Part-I Chemistry Programme as NEP-2020** under Faculty of Science & Technology.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University have accepted and granted approval to minor change in Structure of **B.Sc. Part-I Chemistry Programme as NEP-2020** under Faculty of Science & Technology which is enclosed herewith.

This minor change in Syllabus of will be implemented from the academic year 2023-24 i.e.

You are therefore, requested to bring this to the notice, all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy. Registrar

Copy to :-

1	**The Dean, Faculty of Science & Technology**	8	**Appointment Section**
2	**The Chairman, Respective, BOS**	9	**Centre for Distance Education**
3	**Exam Section**	10	**Computer Centre**
4	**Eligibility Section**	11	**Affiliation Section (U.G.)**
5	**O.E. I Section**	12	**Affiliation Section (P.G.)**
6	**O.E. II Section**	13	**P.G.Admission Section**
7	**O.E. III Section**	14	**P.G.Seminar Section**

Shivaji University

Kolhapur

Accredited By NAAC with 'A^{++}' Grade

Revised Syllabus for Bachelor of Science

Part-I

Chemistry

(NEP-2020)

To be implemented from

June, 2022 onwards

	Minor Change in B.Sc. I NEP-2020 Chemistry Sem. I & II Syllabus	
	Sem. I Paper-I Inorganic Chemistry (Implemented from- 2023-24)	
	Present	**Corrected**
Unit IV	Unit-Chemical Bonding and Molecular structure (C) Molecular orbital theory (MOT)	The present unit is replaced by new unit- Acids and Bases
Unit V	No Unit	P-block elements unit is added
	Sem. I Paper II Organic Chemistry (Implemented from- 2023-24)	
Unit IV	Unit IV: Cycloalkanes, cycloalkenes and alkadienes	Present unit is replaced by Unit IV: Heterocyclic Compounds
	Sem. II, Paper III Physical Chemistry (Implemented from- 2023-24)	
Unit I	**---**	Additional Topic added- Mathematical Concepts as Unit-I
Unit I	Unit -I Chemical Energetics B) Thermochemistry	Part B is Removed and Unit I is now Unit II- Thermodynamics
Unit II	Chemical equilibrium	This Unit is removed.
Unit III	Kinetic Theory of Gases	This is removed and replaced by Physical Properties of liquids as Unit IV
Unit V	No unit	New Unit Electrochemistry is added.
	Sem. II, Paper IV (Implemented from- 2023-24)	
Unit IV	Water Analysis	It is replaced by Unit II- Fundamentals of Industrial Chemistry and IPR
Unit V	Fertilizer Analysis	It is replaced by Unit Soaps and Detergents.

Structure of B. Sc. I Chemistry

Sr. No.	Semester	Title of Paper
1	I	DSC-3A Paper-I, Inorganic Chemistry (2 credits, 30 Hours, 38 Lectures)
2		DSC-4A Paper -II, Organic Chemistry (2 credits, 30 Hours, 37 Lectures)
4	II	DSC-3B Paper -III, Physical Chemistry (2credits, 30 Hours, 38 Lectures)
5		DSC-4B Paper -IV, Analytical Chemistry (2credits, 30 Hours, 37 Lectures)

B. Sc. I (NEP-2020) Semester I DSC-3A Paper I

(Inorganic Chemistry)

(Theory Credits-02, 30 hours, 38 Lectures)

Name of the topic	Expected learning outcomes
1. Atomic structure and Periodicity of Elements	To learn and understand introductory inorganic chemistry. To understand size, shape and electron distribution in shells and sub- shells of an atom.
2. Ionic Bonding	To learn different types of bonds and nature of bonding in inorganic compounds. Calculations of different energies associated with ionic bonding.
3. Chemical Bonding - Valence bond theory (VBT)	Knowledge of nature of bonding, geometry, stability, and magnetic characters of covalent compounds by applying VBT.
4. Acids and Bases	Understanding of role of acids and bases in chemistry. The study is useful in all chemical areas.
5. P-block elements	To learn and understand the properties and uses of the compounds of p-block elements.

Unit I: Atomic Structure and Periodicity of Elements (8 hours)

1.1 Bohr's theory of hydrogen atom and its limitations

1.2 Wave particle duality

1.3 Heisenberg uncertainty principle

1.4 Quantum numbers and their significance

1.5 Shapes of s, p and d atomic orbitals

1.6 Electrons filling rules in various orbitals: a) Aufbau's principle b) Hunds rule of maximum multiplicity c) Pauli's exclusion principle.

1.7 Electronic configuration of elements. Stability of empty, half-filled and completely filled orbitals.

1.8 Periodicity of the elements: General discussion of the following properties of the elements with reference to s block elements: a) electronic configuration b) atomic radii c) ionic radii d) ionization energy e) electron affinity f) electronegativity g) metallic characters h) reactivity i) oxidation state j) melting and boiling points k) chemical properties.

Unit II: Chemical Bonding and Molecular Structure: Ionic Bonding (6 hours)

2.1 Types of Chemical Bonds: a) Ionic Bond b) Covalent Bond c) Co-ordinate bond d) metallic bond e) Hydrogen Bond f) Van-der walls force.

2.2 Definition and formation of ionic bond. General characteristics of ionic bonding

2.3 Energetic in Ionic bond formation.

2.4 Born-Haber cycle for NaCl and its applications.

2.5 Fajan's Rule, Applications of Fajan's rule for,

i) Polarizing power and polarizability

ii) Ionic character in covalent compounds

iii) Bond moment, dipole moment and percentage ionic character.

Unit III: Chemical Bonding and Molecular structure :Valence bond theory (VBT). (5 hours)

3.1 VSEPR Theory.

3.2 Concept of hybridization, different types of hybridization and geometry of following molecules,

i) Linear geometry- $BeCl_2$ (sp hybridization)

ii) Planer trigonal geometry- BF_3 (sp^2 hybridization)

iii) Tetrahedral geometry- $SiCl_4$ (sp^3 hybridization)

iv) Trigonal bipyramidal geometry- PCl5 (sp^3d hybridization)

v) Octahedral geometry- SF_6 (sp^3d^2 hybridization)

vi) Pentagonal bipyramidal geometry –IF_7 (sp^3d^3 hybridization)

Unit IV: Acids and Bases (4 hours)

4.1 Theories of Acids and Bases – Arrhenius concept, Bronsted –Lowry concept, Lewis concept, Lux-Flood concept. (Definition and examples only).

4.2 Hard and Soft Acids and Bases (HSAB concept).

4.2.1 Classification of Acids and Bases as hard soft and borderline.

4.2.2 Pearson's HSAB concept.

4.2.3 Acid –Base strength and hardness-softness.

4.2.4 Application and limitations of HSAB concept.

Unit V: P-Block Elements (Group 13, 14, 15) (07 hours)

5.1 Position of elements in periodic table.

5.2 Characteristics of group 13^{th}, 14^{th} and 15^{th} elements with special reference to electronic configuration and periodic properties.

5.3 Compounds of group13^{th}, 14^{th} and 15^{th} elements.

5.3.1 Boron –diborane (only structure).

5.3.2 Allotropes of carbon and phosphorus.

5.3.3 Oxyacids of Nitrogen (HNO_2, HNO_3).

Reference Books:

1) Lee, J. D. Concise Inorganic Chemistry ELBS, 1991.

2) Cotton, F.A., Wilkinson, G. & Gaus, P.L. Basic Inorganic Chemistry, 3rd ed., Wiley.

3) Douglas, B. E., McDaniel, D. H. & Alexander, J. J. Concepts and Models in Inorganic Chemistry, John Wiley & Sons.

4) Huheey, J. E., Keiter, E. A., Keiter, R. L. & Medhi, O. K. Inorganic Chemistry:

5) Principles of Structure and Reactivity, Pearson Education India, 2006.

6) Puri, Sharma, Kalia. Principles of Inorganic Chemistry

7) Madan R. L. Chemistry for Degree Students (B. Sc. First year), S. Chand

B.Sc. Part I (NEP-2020) SEMESTER-I

DSE-4A Paper II, Organic Chemistry

(Theory Credits: 02, 30 hours, 37 Lectures)

Name of the topic	**Expected learning outcomes**
1. Fundamentals of Organic Chemistry	The students are expected to understand the fundamentals and basic principles involved in organic chemistry.
2. Stereochemistry	Understanding the spatial arrangement of atoms of organic molecule and types of stereoisomers.
3. Aromaticity	Knowledge of general properties and fundamental reactions of aromatic compounds.
4. Heterocyclic Compounds	To understand the basic knowledge of heterocyclic compounds. To get knowledge of methods to preparation, physical and chemical properties of some heterocyclic compounds with five and six membered heterocycles containing N as the hetero atom(Pyrrole and Pyridine).

Unit I: Fundamentals of Organic Chemistry (9 hours)

Introduction, Curved arrow notations, Cleavage of Bonds: Homolysis and Heterolysis. Organic molecular species: Nucleophiles and electrophiles. Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyper conjugation effect, Reactive Intermediates: Generation, Structure, Stability and Reactions of Carbocations, Carbanions, Carbon free radicals, Carbene and Nitrene.

Unit II: Stereochemistry (9 hours)

Introduction, Types of Stereoisomerism, Representation of organic molecules using Wedge, Fischer, Sawhorse and Newman formula, Optical Isomerism: Concept of Chirality, Elements of Symmetry, Optical Isomerism in tartaric acid, 2, 3 Dihydroxybutanoic acid, Enantiomerism, Diastereomerism and Meso compounds, Geometrical isomerism in C=C, C=N and alicyclic compounds. Nomenclature of stereoisomers: D and L, Erythro and Threo, R and S, E and Z.

Unit III: Aromaticity (6 hours)

Introduction, Characteristics properties of aromatic compounds, Meaning of terms: Aromatic, Non aromatic, Antiaromatic, Pseudoaromatic , Classification of aromatic compounds, Structure of Benzene: Kekule structure, Resonance structure, M.O. picture, Modern theory of Aromaticity, Mechanism of Electrophilic substitution reactions: Nitration, Sulphonation, Halogenation and Friedel - Crafts reaction.

Unit IV: Heterocyclic Compounds (6 hours)

Introduction, Classification and Nomenclature of heterocyclic compounds.

Nitrogen Heterocycles:

a) Pyrrole:- Introduction, Synthesis, Physical and chemical properties.

b) Pyridine:- Introduction, Synthesis, Physical and chemical properties.

Reference Books:

1) Graham Solomon, T. W., Fryhle, C. B. & Snyder, S. A. Organic Chemistry, John Wiley & Sons (2014).

2) McMurry, J. E. Fundamentals of Organic Chemistry, 7th Ed. Cengage Learning India Pvt Ltd,Edition, 2013.

3) Sykes, P. A Guidebook to Mechanism in Organic Chemistry, Orient Longman, New Delhi (1988).

4) Eliel, E. L. Stereochemistry of Carbon Compounds, Tata McGraw Hill education, 2000.

5) Finar, I. L. Organic Chemistry (Vol. I & II), E.L.B.S.

6) Morrison, R. T. & Boyd, R. N. Organic Chemistry, Pearson, 2010.

7) Bahl, A. & Bahl, B. S. Advanced Organic Chemistry, S. Chand, 2010.

8) Nasipuri, D. Stereochemistry of Organic compounds: Principles and Applications.

9) Madan, R. L. Chemistry for Degree Students (B. Sc. First Year), S. Chand Publication.

10) Heterocyclic chemistry, J.A. Joule and K. Mills, 4th ed., Blackwell Publishing 2000

11) John A. Joule, Keith Mills.; Heterocyclic Chemistry, 5th Edition, April 2010, ©2010, Wiley Blackwell,

12) Gilchrist, T. L. Heterocyclic chemistry; 3rd ed.; Addison Wesley Longman: Edinburgh Gate, 1997.

13) Joule, J. A.; Mills, K.; Heterocyclic chemistry; 4th ed.; Blackwell Science: Oxford, 2000.

B. Sc. I (NEP-2020) Semester II

DSC-3B: Paper -III (Physical Chemistry)

(Credits: 02, 30 hours, 38 Lectures)

Name of the Topic	Expected Learning Outcome
1. Basic Mathematical Concepts	Learning and coherent understanding of basic concepts and rules of logarithms, graphs, derivative and integrations.
2. Thermodynamics	Knowledge and coherent understanding of basic concepts in thermodynamics will be gained by the student.
3. Chemical Kinetics	Learning and understanding the knowledge about basic concepts in kinetics and first order, second order reactions with characteristics and suitable examples.
4. Physical properties of liquids	Learning and coherent understanding of surface tension, viscosity and refractive index with suitable examples.
5. Electrochemistry	Learning and coherent understanding of basic concepts in electrochemistry, conductors and conductivity cells, measurement of conductance with suitable examples and numerical problems.

Unit 1: Basic Mathematical Concepts (3 hours)

1.1 Logarithm: Basic rules and calculations.

1.2 Graph - Quadrants, drawing of linear graph, Slopes and Intercept.

1.3 Derivative and Integration: Basic rules.

Unit 2: Thermodynamics (5 hours)

2.1 Introduction, Basic terms used in thermodynamics, Zeroth law of thermodynamics.

2.2 First law of thermodynamics: Mathematical equation, sign conventions, statements of first law and its limitations.

2.3 Spontaneous and non-spontaneous processes, Second law of thermodynamics.

2.4 Heat engine, Carnot's Cycle and efficiency of heat engine.

2.5 Numerical Problems.

Unit 3: Chemical Kinetics (8 hours)

3.1 Introduction, rate of reaction, definition, and units of rate constant.

3.2 Factors affecting rate of reaction.

3.3 Order and Molecularity of reaction.

3.4 First order reaction: Derivation of rate constant. Characteristics of the first order reaction.

3.5 Pseudo- first order reactions –i) Hydrolysis of methyl acetate in presence of acid, ii) Inversion of cane sugar.

3.6 Second order reaction: Derivation of rate constant for equal and unequal concentration of the reactants.

3.7 Examples of Second order reaction: i) Reaction between $K_2S_2O_8$ and KI and ii) Saponification of ethyl acetate.

3.8 Characteristics of Second order reactions.

3.9 Numerical problems.

Unit4: Physical properties of liquids (6 hours)

4.1 Introduction to states of matter, qualitative description of intermolecular forces in liquids, structure of liquids, classification of physical properties.

4.2 Surface tension and its determination using stalagmometer and differential rise method.

4.3 Viscosity and its determination using Ostwald's viscometer.

4.4 Refractive index (Snell's law) specific and molecular refractivities and its determination using Abbe's refractometer.

4.5 Numerical Problems.

Unit 5: Electrochemistry (8 hours)

5.1 Introduction, types of cell, phenomenon of electrolysis, Faradays Laws of electrolysis.

5.2 Types of conductors.

5.3 Explanations of Conductance, specific conductance, equivalence and molecular conductance.

5.4 Variation of specific conductance, equivalence and molecular conductance with dilution, equivalent conductance at infinite dilution.

5.5 Dipping type of conductivity cell, modifications in the technique used before measurement of conductance w.r.to use of alternating current, use of conductivity water, conductivity cell and temperature control.

5.6 Measurement of conductance by Wheatstone bridge.

5.7 Cell constant and its determination.

5.8 Numerical problems.

Reference Books:

1) Barrow, G.M. Physical Chemistry Tata McGraw-Hill(2007).

2) Castellan G.W. Physical Chemistry 4 th Ed. Narosa(2004).

3) Kotz, J.C. Treichel, P.M.&Townsend,J.R.General Chemistry, Cengage Learning India Pvt Ltd: New Delhi(2009).

4) Mahan ,B.H. University Chemistry, 3rd Ed. Narosa(1998).

5) Petrucci, R.H. General Chemistry, 5th Ed., Macmillan Publishing Co,: New York(1985).

6) Elements of Physical Chemistry S., Glasstone, D.Lewis.(2010)

7) Principles of physical Chemistry Marron and Prutton. (2007).
8) Elements of Physical Chemistry P.W.Atkins(2017-18)
9) Essentials of Physical Chemistry Bahl and Tuli. S. Chand,2010.
10) Physical Chemistry Danials and Alberty (2016)
11) University General Chemistry C. N. R.Rao(2016)
12) Priniples of Physical Chemistry, Puri, Sharma and Pathania 47th Edison, Vishal Publishing Co.
13) Physical Chemistry , A. J.Mee
14) Advanced Physical Chemistry, GurudeepRaj
15) Physical Chemistry , R. A.Alberty
16) General Chemistry, 5th Edition, Macmillan Publishing Co. , New York (1985)

B. Sc. I Semester II

DSC-4B-Chemistry Paper IV, Analytical Chemistry

(Theory Credits:02, Lectures-30 hours, 37 Lectures)

Name of the topic	Expected learning Outcomes
1. Introduction to analytical Chemistry	Learning various analytical procedures and importance also sampling ,accuracy and precision
2. Fundamentals of Industrial Chemistry and IPR	a. Distinguish between classical and industrial chemistry b. Learning and Understanding basic concepts and concentration terms c. Knowledge of IPR
3. Chromatography	Knowledge of chromatographic separation technique and terms involved in it. Learning paper chromatography and thin layer chromatography
4. Theory of titrimetric Analysis	Knowledge of various type of titrations, neutralization curves, indicators used in various titrations
5. Soaps and Detergents	Knowledge about the chemical nature and cleansing action of soap

1. Introduction to analytical Chemistry (6 hours)

1.1 Introduction

1.2 Importance of analysis

1.3 Analytical processes (Qualitative and Quantitative)

1.4 Methods of analysis (Only classification)

1.5 Sampling of solids, liquids and gases

1.6 Errors, types of errors (determinate and indeterminate), methods of expressing accuracy (Absolute and relative error)

1.7 Significant figures, mean, median, standard deviation (Numerical problems expected)

2. Fundamentals of Industrial Chemistry and IPR (7 hours)

2.1 Difference between classical and industrial chemistry, Raw materials for chemical industry, Material safety data sheets (MSDS)

2.2 Definition and Explanation of terms - Molecular weight, Equivalent weight, Molarity, Normality, Molality, Molarity of mixed solution, Acidity of base, Basicity of acid, ppt, ppm, ppb solutions, Mole Fraction, Weight fraction, Percentage composition by W/W, W/V, V/V, Problems based on Normality, Molarity, mole fraction, mixed solution, etc.

2.3 IPR- Introduction to IPR and its significance in presence scenario

3. Chromatography (6 hours)

3.1 Introduction, Basic Principle of Chromatography, Basic terms, Classification of Chromatography

3.2 Paper Chromatography- Principle, Methodology-types of papers and treatment, sample loading, choice of solvent, development-ascending, descending, circular, location of spots, determination of Rf value, Applications, advantages and disadvantages

3.3 Thin layer chromatography- Principle, Solvent system, stationary phases, preparation of TLC plate, Detecting reagents, methodology-sample loading, development, detection of spot, Rf value, Applications, advantages and disadvantages

3.4 Comparison of paper chromatography and TLC

4. Theory of titrimetric Analysis (6 hours)

4.1 Introduction

4.2 Acid-base indicators

4.3 Theory of indicators w.r.t. Ostwald's ionization theory and quinoid theory

4.4 Neutralization curves and choice of indicators for

a. Strong acid-strong base

b. Strong acid-weak base

c. Strong base-weak acid

4.5 Complexometric titrations

a. Introduction

b. Types EDTA titrations

c. Metallochromic indicators-Eriochrome black- T

d. Indicator Action of Eriochrome black- T

5. Soaps and Detergents (6 hours)

5.1 Introduction

5.2 Soaps - Raw materials, Types of soaps, Cleansing action of soap, Manufacture of soap - Boiled or Hot Process, Cold process.

5.3 Detergents - Types of Detergents: Anionic, cationic and amphoteric (with example), Preparation of Teepol and Deriphat

5.4 Preparation of Shampoos

5.5 Comparisons between soaps and detergents.

Reference Books:

1) Principles of Physical Chemistry by Puri, Sharma and Pathania, Vishal Publishing company Jalindhar

2) Essential of Physical Chemistry by Bahl B.S., Tuli G.D. and BahlArun, S.Chand and Company Ltd.New Delhi

3) Modern Analytical Chemistry by David Harvey, McGRAW-Hill International Edition, 2000

4) Industrial chemistry by B. K. Sharma, Goel Publishing Housing, 16th edition2011

5) Advanced Inorganic Chemistry, Vol.No.1, by Gurudeep Raj, Krishna Prakashan Media Ltd, Goel Publication, Meerut

6) Analytical chemistry by B.K. Sharma, Krishna Prakashan Media Ltd, Meerut, edition 3rd 2011

7)Principles of electroplating and electroforming by Blum and Hogaboom

8)Chemical Process Industries by Shreve and Brink

9) Industrial Chemistry by Loutfy Madkor and Helen Njenga

10) Elementary Principles of Chemical Processes by Richard Felder and Ronald Rousseau, John Wiley and Sons

B. Sc. I Practical Course

(2 Credit, 04 hours per week)

Practicals:

(A) Inorganic Chemistry

1) To determine quantity of Fe (II) ions from the given solutions by titrating it with 0.1N $K_2Cr_2O_7$ solution by using internal indicator

2) To estimate amount of Cu (II) ions by Iodometric titration by using $Na_2S_2O_3$ solution.

3) To prepare standard 0.1 N $KMnO_4$ solution and to determine the strength of given oxalic acid solution.

4) Estimation of amount of Acetic acid from the given vinegar sample by titrimetric method

5) To standardize supplied EDTA solution by titrating with 0.01 M $ZnSO_4$ solution and to estimate amount of calcium from given solution by using Erio- T as an indicator.

6) Quality control-To determine percentage purity of the given sample of soda ash (Na_2CO_3) by titrimetric method.

7) Chromatography: Separation and identification of cations by Paper Chromatography technique from the following mixtures :

a) Ni^{2+} + Cu^{2+} b) Ni^{2+} + Co^{2+}

8) Spot Test: Identify the following metal ions by spot test method.

Cu^{2+}, Ni^{2+}, Co^{2+}, Fe^{3+}, Al^{3+},Pb^{2+}, Zn^{2+}, Hg^{+2}, Mg^{+2}, Mn^{+2}

B) Organic Chemistry

1) Estimations :

i) Estimation of Aniline. (by Bromination method)

ii) Estimation of Acetamide.

iii) Estimation of Aspirin tablet.

2) Organic Qualitative Analysis: Detection of physical constant, type, elements, functional group, and Confirmatory test. Identification of Organic Compounds (at least eight) (four containing at least one extra element- N, S, Cl)

a) Acids: Oxalic acid, Benzoic acid, Cinnamic acid

b) Phenols: Beta-Naphthol, p-Nitrophenol

c) Base: Aniline, p-Nitroaniline

d) Neutral: Acetone, Acetanilide, Chloroform, m-Dinitrobenzene, Thiourea, Bromobenzene

3) Purification of organic compounds by crystallization (from water and alcohol) and distillation.

C) Physical Chemistry:

1) Determination of viscosity of given liquids A and B (Density data of liquids, viscosity of water to be given) [Any two liquids from Acetone, Carbon tetra chloride, Chloroform, Ethyl alcohol, Benzyl alcohol, Ethylene glycol and n- propyl alcohol]

2) To study the velocity constant of hydrolysis of methyl acetate in presence HCl/ H_2SO_4.

3) To study the reaction between Potassium persulphate and Potassium iodide kinetically (equal concentration).

4) Determination of heat of ionization of weak acid by using polythene bottle.

5) Determination of Surface tension of the given liquids by Stalagmometer.

6) Determination of equivalent weight of Mg by eudiometer.

7) Determination of Cell constant of given conductivity cell using KCl solution.
(N/10 and N/50 KCl) (Solutions should be prepared by the students).

8) Preparation and standardization of HCl/H_2SO_4 solution from the bulk.

References:

1) Svehla, G. Vogel's Qualitative Inorganic Analysis, Pearson Education, 2012.

2) Mendham, J. Vogel's Quantitative Chemical Analysis, Pearson, 2009

3) Vogel's Text Book of Quantitative Chemical Analysis. (Longmann) ELBS Edition.

4) Vogel's Text Book of Qualitative Chemical Analysis. (Longmann) ELBS Edition.

5) Hand book of Organic Qualitative Analysis: Clarke.

6) Comprehensive Practical Organic Chemistry – Qualitative Analysis by V. K. Ahluwalia, Sunita Dhingra. University Press. Distributor – Orient Longman Ltd.

7) Comprehensive Practical Organic Chemistry preparation and Quantitative Analysis: V. K. Ahluwalia, Renu Aggarwal. University Press. Distributor – Orient Longman Ltd.

8) A Laboratory Hand - Book of Organic Qualitative Analysis and Separation: V. S. Kulkarni. Dastane Ramchandra & Co. Pune

9) Practical book of Physical Chemistry: Nadkarni, Kothari &Lawande.

10) Experimental Physical Chemistry: A.Findlay.

11) Systematic Experimental Physical Chemistry: S. W. Rajbhoj, Chondhekar. (Anjali Publication.)

12) Experiments in Physical Chemistry: R. C. Das and B. Behra. (Tata McGrawHill)

13) Advanced Practical Physical Chemistry: J. B. Yadav (Goel PublishingHouse.)

14) Practical Physical Chemistry: B. D. Khosala. (R. Chand &Sons)

15) Experiments in Chemistry: D. V. Jahagirdar.

16) A Text Book of Quantitative Inorganic Analysis Including Elementary Instrumental Analysis: A.I. Vogel (Third Ed.)(ELBS)

B.Sc. I Syllabus (NEP-2020)

To be implemented from June 2023 onwards Semester I & II

Nature of Question paper

Total Marks 40

Q.1 Choose the correct alternative and rewrite the sentence again. 8 Marks

a)

b)

c)

d)

e)

f)

g)

h)

Q.2. Attempt any TWO of the following (Out of Three) 16 Marks

a)

b)

c)

Q.3. Answer any FOUR of the following (Out of SIX) 16 Marks

a)

b)

c)

d)

e)

f)

B.Sc. I Syllabus (NEP-2020)

To be implemented from June 2023 onwards

Nature of Practical Examination

Total Marks 50

Q.1 Physical Section Experiment	15 Marks
Q. 2 Organic Section Experiment	15 Marks
Q. 3 Inorganic Section Experiments	15 Marks
Q. 4 Journal	05 Marks

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

Bachelor of Science

Part-II

Botany

CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.

A] **Ordinance and Regulations: (As applicable to Degree Course)**

B] **Shivaji University, Kolhapur**
Revised Syllabus For
Bachelor of Science

1. **TITLE : Subject- Botany**
Optional under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**:- Revised Syllabi (As per CBCS) will be implemented from June 2019 onwards.

3. PREAMBLE:-

[Note :-The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

4. GENERAL OBJECTIVES OF THE COURSE:
(as applicable to the Degree concerned)
Objectives:-

1)To impart knowledge of Science is the basic objective of education.

2) To develop scientific attitude is the major objective to make the students open minded, critical, curious.

3) To develop skill in practical work, experiments and laboratorymaterials and equipments along with the collection and interpretation of scientific data to contribute the science.

4) To understand scientific terms, concepts, facts, phenomenon andtheir relationships.

5) To make the students aware of natural resources and environment.

6) To provide practical experience to the students as a part of thecourse to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.

7) To The students are expected to acquire knowledge of plant and related subjects so as to understand natural phenomenon, manipulation of nature and environment in the benefit of humanbeings.

8) To develop ability for the application of the acquired knowledge toimproveagriculture and other related fields to make the country selfreliant and sufficient.

9) To create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.

5. DURATION

The course shall be a full time course.

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

1. **Refer brochure and prospectus of concern affiliated college/institute to Shivaji University, Kolhapur.**
2. **Other fee will be applicable as per rules and norms of Shivaji University, Kolhapur.**

8. ELIGIBILITY FOR ADMISSION:

As per guidelines obtained from Shivaji University, Kolhapur by following rules and regarding reservations by Govt. of Maharashtra.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English.

10. STRUCTURE OF COURSE- B. Sc. II Botany

SECOND YEAR (SEMESTER III/IV) (NO.OF PAPERS IV)

Sr. No.	**Subjects/Papers**	**Theory**	**Internal**	**Total Marks**
1.	Paper-V	50	--	50
2.	Paper-VI	50	--	50
3.	Paper-VII	50	--	50
4.	Paper-VIII	50	--	50
	Practical -I			50
	Practical -II			50
	Total			**300**

11. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

SECOND YEAR - SEMESTER – III/ IV : Botany (Optional)

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				ExaminationScheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
	Semester-III							
1	Paper-V	3	-	-	03	50	--	50
2	Paper-VI	3	-	-	03	50	--	50
	Semester-IV							
3	Paper-VII	3	-	-	03	50	--	50
4	Paper-VIII	3	-	-	03	50	--	50
	Practical- I (annual)	-	-	4	04	-	-	50
	Practical- II (annual)	-	-	4	04	-	-	50
	Total	06	-	08	14	-	-	300

12. SCHEME OF EXAMINATION :-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:-

As Prescribed under rules & regulation for each degree.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Q. 1. Multiple choices questions (10-questions) --- 10 Marks

Q.2. Attempt **any two** of the following.

(Essay type/Broad answer questions) ---- 20 Marks

Q.3. Write short notes (**any four**) --- 20 Marks

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

(Introduced from June 2019 onwards)

Old Syllabus (Semester pattern)		Revised Syllabus (Semester pattern)		
Paper No.	**Title of Old Paper**	**Semester No**	**Paper No.**	**Title of New Paper**
V	**Algae, Fungi, Bryophytes and Industrial applications**	**Semester- III**	**V**	**Embryology of Angiosperms**
VI	**Plant Physiology, Ecology and Horticulture**		**VI**	**Plant Physiology**
VII	**Pteridophytes, Gymnosperm, Angiosperm and Anatomy**	**Semester- IV**	**VII**	**Plant Anatomy**
VIII	**Cytogenetics and Utilization of Plant Resources**		**VIII**	**Plant Metabolism**

16. SPECIAL INSTRUCTIONS, IF ANY.

SEMESTER- III
Botany Paper V: DSC C13: EMBRYOLOGY OF ANGIOSPERMS
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK- LECTURE HOURS: 2.4 PER WEEK, MARKS: 50

UNIT	SUB-UNIT	TOPICS	LECTURE PERIOD
1	**STRUCTURAL ORGANIZATION OF FLOWER, POLLINATION AND FERTILIZATION**		**22**
	1.a: Organization of flower	1.1: Concept of flower as a modified Shoot, structure of typical flower. 1.2:Structure of typical androecium, Structure of tetrasporangiate anther andpollen grain. 1.3:Structure of typical gynoecium: Structure of a typical ovule, Types of ovules.	10
	1.b: Pollination and Fertilization	1.4: Definition, Types and mechanism in Anemophily (*Zea mays*), Entomophily (*Calotropis*) and Hydrophily (*Vallisneria*) 1.5:Microsporogensis, pollen germination and male gametophyte 1.6:Megasporogenesis,structure of embryo sac: Monosporic (*Polygonum*) and Bisporic (*Allium*), female gametophyte. 1.7: Fertilization: Entry of pollen tube, double fertilization and triple fusion. Significance of double fertilization.	12
2	**Embryo and Endosperm Development; Polyembryony and Apomixis**		**23**
	2.a: Embryo and Endosperm Development	2.1:Structure and development of embryo in Monocotyledons. 2.2:Structure and development of embryo in Dicotyledons. 2.3 Development of endosperm, Types of endosperm- Nuclear, Helobial and Cellular	12
	2.b:Polyembryony and Apomixis	2.4:Polyembryony: Introduction, Types of polyembryony- True polyembryony (Cleavage and Adventive), False polyembryony.Causes of polyembryony, Significance of polyembryony. 2.5: Apomixis: Introduction, Causes of apomixes and Types: Gametophytic and Sporophytic, Significance of apomixis.	11
	TOTAL		**45**

SEMESTER- III
Botany Paper VI: DSC C14: PLANT PHYSIOLOGY
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK- LECTURE HOURS: 2.4 PER WEEK, MARKS: 50

UNIT	SUB-UNIT	TOPICS	LECTURE PERIOD
1	**PLANT WATER RELATIONSHIP AND MINEARAL NUTRITION**		**22**
	1.a: Plant water relationship	1.1: Introduction, Physiological importance of water. 1.2: Water transport process: Mechanism of water absorption: active and passive absorption theories, water transport through xylem and tracheids. 1.3: Transpiration: Definition, Types of transpiration, Mechanism of stomatal movement, Starch-sugar hypothesis, Factors affecting transpiration, Significance of transpiration.	12
	1.b: Mineral nutrition	1.4: Introduction, Macro and Micronutrients 1.5: Criteria of essentiality 1.6: Mineral nutrient uptake- Passive uptake (Diffusion), Activeuptake (Carrier Concept) 1.7:Role and Deficiency Disorders of Macronutrients(P, K, Ca, Mg) and Micronutrients (Fe, Mn) in plants and its recovery.	10
2	**PHOTOSYNTHESIS, GROWTH AND DEVELOPMENT**		**23**
	2.a: Photosynthesis	2.1: Introduction 2.2: Photosynthetic pigments- (Chlorophylls, Carotenoids and Phycobilins) 2.3: Mechanism of Photosynthesis: a) Light reaction- Photolysis of water, Photosystem I and Photosystem II, Electron transport and Photophosphorylation- Cyclic and Non-cyclic. b) Dark reaction: C_3, C_4 and CAM pathways of carbon fixation. 2.4: Significance of photosynthesis	11
	2.b: Growth and Development	2.6: Definition, Region of growth, Phases of growth, growth curve, Grand period of growth. 2.7: Plant growth regulators: Discovery, site of synthesis,Physiological (Practical applications) roles of growth regulators –	12

		Auxins, Gibberellins and Abscisic acid. 2.8: Plant responses to light and temperature – a) Photoperiodism: Concept, Definition, Photoperiodic classification of plants- LDP, SDP, DNP. b) Mechanism of photoperiodism: Photoperiodic induction, perception of stimulus, role of Phytochrome, flowering hormone-Floregin concept, significance of photoperiodism. 2.9: Vernalization: Concept, mechanism, site of vernalization and its significance.	
	TOTAL		**45**

SEMESTER- IV
Botany Paper VII: DSC D13: PLANT ANATOMY
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK- LECTURE HOURS: 2.4 PER WEEK, MARKS: 50

UNIT	SUB-UNIT	TOPICS	LECTURE PERIOD
1	**ORGANIZATION OF HIGHER PLANT BODY AND TISSUES**		**22**
	1.a:Organization of higher plant body	1.1: The Plant organs 1.2: Development of plant body 1.3: Internal organization	10
	1.b: Meristematic and Permanent Tissue	1.4: Meristem: a) Introduction, Characteristics and Classification of meristems based on position b) Theories of structural development- i) Apical cell theory ii) Histogen theory iii) Tunica Corpus theory. 1.5: Permanent tissue: i) Simple tissue- Parenchyma, Collenchyma and Sclerenchyma ii) Complex tissue: Xylem and Phloem 1.6: Types of Vascular bundles	12
2	**PRIMARY AND SECONDARY STRUCTURE OF PLANT BODY AND TISSUE SYSTEMS**		**23**
	2.a: Primary and secondary structure of plant body	2.1: Primary structure of Monocotyledon andDicotyledon root, stem and leaf. 2.2: Normal secondary growth in Dicotyledon root and stem. 2.3: Anomalous secondary growth in *Bignonia* (Dicot.) and *Dracaena* (Monocot.) stem. 2.4 : Periderm and Lenticel	12
	2.b: Tissue systems	2.5 : Epidermal tissue system 2.6: Secretary tissue system 2.7:Mechanical tissue system	11
	TOTAL		**45**

SEMESTER- IV
Botany Paper VIII: DSC D14: PLANT METABOLISM
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK- LECTURE HOURS: 2.4 PER WEEK, MARKS: 50

UNIT	SUB-UNIT	TOPICS	LECTURE PERIOD
1	**ENZYMES AND NITROGEN METABOLISM**		**22**
	1.a: Enzymes	1.1 : Introduction 1.2 : Classification and Nomenclature of enzymes 1.3 : Structure and properties of enzymes 1.4 : Mechanism of enzyme action- Lock and Key hypothesis and Induced fit hypothesis. 1.5: Factors affecting enzyme activity- temperature and pH. 1.6: Enzyme inhibition	12
	1.b: Nitrogen Metabolism	1.7: Introduction 1.8: Biological Nitrogen Fixation- Asymbiotic and Symbiotic 1.9: Mechanism of Nitrogen Fixation 1.10: Nitrate reduction 1.11: Ammonia assimilation 1.12: nif genes	10
2	**RESPIRATION, SEED DORMANCY AND GERMINATION**		**23**
	2.a: Respiration	2.1: Introduction 2.2:Types of respiration 2.3:Glycolysis 2.4: Formation of Acetyl Co A 2.5: TCA cycle 2.6: ETS in mitochondria 2.7: Fermentation	12
	2.b: Seed Dormancy and Germination	2.8: Concept of dormancy 2.9: Causes of dormancy 2.10: Methods of breaking of seed dormancy. 2.11: Seed germination- Introduction and types (Epigeal, Hypogeal and Viviparous). 2.12: Factors affecting seed germination 2.13: Biochemical changes during seed germination.	11
	TOTAL		**45**

PRACTICALS IN BOTANY
B.Sc. Part – II
(To be implemented from June 2019)

Botanical excursions –

One teacher along with a batch not more than 20 students is taken for Botanical excursions to places of botanical interest, one in each term. If there are female students in a batch of sixteen, one additional lady teacher is permissible for excursion. Each excursion will not be more than 3 days during college working days. T.A. and D.A. for teachers and non teaching staff participating in the excursions should be paid as per the rules. The tour report duly certified by the concerned teacher and the head of the department should be submitted at the time of practical examination.

Details of Practical Examination

B. Sc. II Botany Practical – I and II are to be covered in 25 practicals each. These practicals are to be performed by the students. Each practical is to be supplemented by permanent slides, preserved / fresh specimens / materials, charts, herbarium sheets, wherever necessary.

Every candidate must produce a certificate from Head of the Department in his / her college stating that he / she has completed practical course in a satisfactory manner as per the lines laid down by academic council on the recommendations of Board of Studies in Botany. The student should record his / her observations and report of each experiment should be written in the Journal.

The Journal is to be signed periodically by teacher in charge and certified by Head of the Department at the end of the year. Candidates have to produce their certified journal and tour reports at the time of practical examination. A candidate will not be "**allowed to appear**" for the practical examination without a certified journal, otherwise a candidate must produce a separate certificate of his / her regular attendance for practical course and completion of the same signed by the concerned teacher and Head of the Department.

Total Marks for practical 100 Marks

a) Practical – I - 50 Marks
b) Practical – II - 50 Marks

The practical course is to be covered in 50 practicals .The practical course should be divided into practical no. I which will comprise 25 practicals based on Paper No. V & Paper No.VI where as the practical No. II will comprise 25 practicals based on Paper No.VII & VIII. The practical No I will carry 50 marks & practical II will also carry 50 marks. The practical examination will be conducted at the end of semester IV on two successive days.

Each practical examination (Practical I and II) should be of maximum 5 hours duration and shall test a candidate in respect of following –

i. Identification and preparation of temporary and permanent slides.
ii. Practical study of external and internal structures of different plants as per the syllabus.
iii. Understanding of principles of the experiments.
iv.Identification and setting of Physiological experiments.
v. Recording of observations and conclusions.
vi. Identification and understanding of the practicals conducted with respect to development of plants.
vii. Spotting of the specimens as per the syllabus.
viii. Submission of the tour report.

Practical- I

1) Study of structure of stomata and determination of stomatal density.
2) Study of stomatal and cuticular transpiration by cobalt chloride paper method.
3) Study of role and deficiency symptoms of P, K, Ca, Mg.
4) Estimation ofChlorophylls by Colourometric / Spectrophotometric method.
5) Separationof photosynthetic pigments by ascending paper chromatography.
6) Study of Kranz leaf anatomy in C_4 plants.
7) Estimation of TAN value in CAM plants.
8) Analysis of vegetative growth (any suitable method).
9) Effect of different concentrations of Auxins (IAA) on seed germination (any suitable dicot seeds).
10) Effect of different concentrations of Gibberellic acid (GA) on seed germination (any suitable monocot seeds).
11) Study of evolution of oxygen during photosynthesis.
12) Study of effect of light intensity on photosynthesis.
13) Demonstration of ascent of sap in plants (*Impatiens* sp. and *Polyanthus tuberosa*).
14) Detection of Calcium, Phosphate, Potassium and Iron in the plant tissue by biochemical tests.
15) Demonstration of Endo-osmosis and Exo-osmosis.
16) Determination of sugar percentage by hand refractometer.
17) Study of permeability of plasma membrane by using different concentrations of organic solvent.
18) Study of typical flower and its parts (floral whorls with their functions).
19) Study of young / mature anther by permanent slide.
20) Study of germination of pollen grains.
21) Detection of pollen fertility by staining technique.
22) Study of types of ovules (by permanent slide or photograph).
23) Study of dicotyledon and monocotyledon embryo (by permanent slide or photograph).
24) Dissection of embryo / endosperm from developing seeds (*Grevellia* /*Cucumis*).

Practical- II

1) Study of shoot and root apex by permanent slides.
2) Study of simple tissues.
3) Study of complex tissues.
4) Study of primary structure of dicot and monocot root
5) Study of primary structure of dicot and monocot stem
6) Study of normal secondary growth in dicot stem (*Annona* / *Moringa* / Sunflower) by temporary double stained preparation.
7) Study of anomalous/abnormal secondary growth in *Bignonia* (Dicot stem).
8) Study of anomalous/abnormal secondary growth in *Dracaena* (Monocot stem).
9) Study of periderm and lenticels (by permanent slides)
10) Double stained permanent micro preparation of any suitable material.
11) Study of anatomy of porous (ring porous & diffused porous) and non porous wood.
12) Maceration technique.
13) Study of Epidermal tissue system.
14) Study of Mechanical tissue system.
15) Study of Secretary tissue system.
16) Study of following anatomical peculiarities viz., arenchyma, sunken stomata, multiple epidermis, stellate hairs, glandular hairs, nectories, I-girdles.
17) Study of excretory products viz., Cystolith, Sphaeroraphides, Raphides in plants.
18) Determination of rate of respiration during seed germination by Ganong's respirometer.
19) Breaking of seed dormancy by mechanical and chemical scarification.
20) Study of effect of pH on Catalase enzyme activity.
21) Study of effect of temperature on Malate dehydrogenase enzyme activity.
22) Janus green B staining technique for mitochondria.
23) Demonstration of fermentation.
24) Study of biofertilizers.
25) Separation of Amino acids by Thin Layer chromatography.

Plant Physiology and Metabolism

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2. Moore, T. C. 1989. Biochemistry and Physiology of Plant Hormones. (2nd edition). Springer – Verlag, New York, USA.
3. Salisburry, F.B. and Ross, C. W. 1992. Plant Physiology. (4th edition). Wadsworth Publishing Co., California, USA. 19
4. Taiz, L. and Zeiger, E. 1998. Plant Physiology. (2nd edition) SinauerAssociates, Inc., Publishers, Massachusetts, USA.
5. R.C. Grewal – Plant Physiology. Campus Books International 483/24, Prahiad street Ansari Road, Darya ganj, New Delhi – 110002.
6. V.K. Jain – Fundamentals of Plant Physiology. S. Chand & Company Ltd. Ramnagar, New Delhi – 110055.
7. Salisbury Ross – Plant Physiology. CBS, Publishers & Distributions 485/ Jain Bhawan, Bhole Nath Nagar, Shahdara, New Delhi – 110032.
8. Devlin & Witham – Plant Physiology. CBS Publishers & Distributors 485, Jain Bhavan, Bhole Nath Nagar, Shahdara, New Delhi – 110032.
9. G. Ray Noggle / G. Fritz- Introductory Plant Physiology. Prentice Hall of India Ltd. New Delhi – 110001.
10. V.Verma. Text Book of Plant Physiology. Emkay Publications., B-19, East KrishnaNagar, Delhi-1100051.
11. V.I. Paladin. Plant Physiology. Arihant Publishers. Jaypur, (India)
12. Dr. S. Sundara rajan- Physiology of Transport in Plants. Anmol Publications, Pvt. LTD. New Delhi.110002.
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18. Pandey, S.N. (1991): Plant Physiology, Vikas Publishing House (P) Ltd., New Delhi, India.
19. Verma, V. (2007): Text Book of Plant Physiology. Ane Books India, New Delhi.
20. Nobel, P.S. 2009. Physicochemical and Environmental Plant Physiology.4th edition Academic Press, UK
21. Taiz, L. and Zeiger, E. 2006. Plant Physiology. 4th Edition. Sinnauers Associates, Saunders land, Massachusetts, USA
22. Helgi OPik, Stephen A. Rolfe, Arthur J. Willis. 2005. The Physiology of Flowering Plants, Cambridge University Press, UK
23. Kirkham, M.B. 2004. Principles of Soil and Plant Water Relations. Elsevier, Amsterdam, Netherlands.
24. Dennis, D.T., Turpin, D.H., Lefebvre, D.D. and Layzell, D.B. 1997. Plant Metabolism. 2nd Edition. Longman Group, U.K.
25. Fitter, A. and Hay, R.K.M. 2001. Environmental Physiology of Plants. Academic Press, UK.
26. Emil Tmog, Mineral Nutrition of Plants. Oxford and IBH Publishing House, Bombay/ New Delhi.
27.S. Sundara rajan- Plants Physiology. Anmol Publications, Pvt. LTD.New Delhi.110002.

Angiosperm Anatomy and Embryology

1. P.C. Vashista. - Plant Anatomy. Pradip Publications, Opposite Sitla mandir, Jalandhar-144008.
2. B.P.Pandey - Plant Anatomy. S.Chand & Company,LTD. Ram Nagar, New Delhi.110055.
3. A.C.Datta. - Botany For Degree Students. Press-Delhi, Bombay, Madrass
4. Carlquist, S. 1998.- Comparative Wood Anatomy: Systematic, Ecological and Evolutionary Aspects of dicotyledonous Wood.Springer – Verlag, Berlin.
5. Culter, E.G. 1969. Part I.- Cells and Tissues. Edward Arnold, London.
6. Culter, E.G. 1971. Part II- Organs.- Plant Anatomy: Experiment and Interpretation. Edward Arnold, London.
7. Esau, K. 1977. - Anatomy of Seed Plants. 2nd edition, John Wifey and Sons, New York.
8. Fahn, A. 1974. - Plant Anatomy. 2nd edition. Pergamon Press, Oxford.
9. Lyndon, R.F. 1990. - Plant Development: The Cellular Basis. Unwin Hyman, London.
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11. Nair, M.N.B. 1998. - Wood Anatomy and Major Uses of Wood. Faculty of Forestry, Universiti Putra Malaysia, 43400 Serdang, Selangor D.E., Malaysia.
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23. Maheshwari P. An introduction to Embryology of Angiosperms.
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25. S. C. Datta. Systematic Botany. New Age International Publishers, New Delhi. (2015).

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

Bachelor of Science (B.Sc.) Part III

Botany

CBCS PATTERN

Syllabus to be implemented from

June, 2020 onwards

Paper –IX, X, XI, XII - (Semester- V)

and

Paper –XIII, XIV, XV, XVI - (Semester-VI)

A] **Ordinance and Regulations: (As applicable to Degree Course)**

B] **Shivaji University, Kolhapur**
Revised Syllabus For Bachelor of Science

1. **TITLE : Subject- Botany**
Optional under the Faculty of Science

2. **YEAR OF IMPLEMENTATION**: - **Implemented from June 2020 onwards.**

3. PREAMBLE:-

[Note:-The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

4. GENERAL OBJECTIVES OF THE COURSE:
(As applicable to the Degree concerned)

Objectives:-

1) To impart knowledge of Science is the basic objective of education.
2) To develop scientific attitude is the major objective to make the students open minded, critical, curious.
3) To develop skill in practical work, experiments and laboratory materials and equipments along with the collection and interpretation of scientific data to contribute the science.
4) To understand scientific terms, concepts, facts, phenomenon and their relationships.
5) To make the students aware of natural resources and environment.
6) To provide practical experience to the students as a part of the course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.
7) To The students are expected to acquire knowledge of plant and related subjects so as to understand natural phenomenon, manipulation of nature and environment in the benefit of human beings.
8) To develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country self reliant and sufficient.
9) To create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.

5. DURATION

The course shall be a full time course.

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

1. **Refer brochure and prospectus of concern affiliated college/institute to Shivaji University, Kolhapur.**
2. **Other fee will be applicable as per rules and norms of Shivaji University, Kolhapur.**

8. ELIGIBILITY FOR ADMISSION:

As per guidelines obtained from Shivaji University, Kolhapur by following rules and regarding reservations by Govt. of Maharashtra.

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English.

10. STRUCTURE OF COURSE- B. Sc. III Botany (Optional)

THIRD YEAR (SEMESTER V/VI) (NUMBER OF PAPERS VIII)

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	**Paper-IX**	40	10	50
2.	**Paper- X**	40	10	50
3.	**Paper -XI**	40	10	50
4.	**Paper- XII**	40	10	50
5.	**Paper- XIII**	40	10	50
6.	**Paper-XIV**	40	10	50
7.	**Paper-XV**	40	10	50
8.	**Paper-XVI**	40	10	50
	Practical -I			**50**
	Practical- II			**50**
	Practical- III			**50**
	Practical -IV			**50**
	Total			**600**

11. Structure of B. Sc. III P Semester V and VI

SEMESTER V							
Sr. No.	Subject Title	TEACHING SCHEME			PRACTICAL		
		Credits	No. of Lectures	Hours	Credits	No. of Lectures	Hours
1	**DSE-E**	2	3	2.4	8	20	16
2	**DSE-E**	2	3	2.4			
3	**DSE-E**	2	3	2.4			
4	**DSE-E**	2	3	2.4			
	TOTAL	**10**	**16**	**12.8**	**8**	**20**	**16**
SEMESTER VI							
1	**DSE-F**	2	3	2.4	8	20	16
2	**DSE-F**	2	3	2.4			
3	**DSE-F**	2	3	2.4			
4	**DSE-F**	2	3	2.4			
	TOTAL	**10**	**16**	**12.8**	**8**	**20**	**16**
GRAND TOTAL		**20**	**32**	**25.6**	**16**	**40**	**32**

12. SCHEME OF EXAMINATION :-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 **+ 10** marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

13. STANDARD OF PASSING:-

As Prescribed under rules & regulation for each degree.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(Unit wise weightage of marks should also be mentioned)

Q. 1. Multiple choices questions (8-questions) --- 08 Marks

Q.2. Attempt **any two** of the following.

(Essay type/Broad answer questions) ---- 16 Marks

Q.3. Write short notes (**any four**) --- 16 Marks

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

(Introduced from June 2020 onwards)

Old Syllabus (Semester pattern)		Revised Syllabus (Semester pattern)		
Paper No.	**Title of Old Paper**	**Sem. No**	**Paper No.**	**Title of New Paper**
IX	Biology of Non Vascular Plants and Paleobotany	**V**	**DSE –E25**	Genetics and Plant Breeding
X	Genetics and Analytical Techniques in Plant Science		**DSE –E26**	Microbiology, Plant Pathology and Mushroom Culture Technology
XI	Fundamentals of Plant Physiology and Ecology		**DSE –E27**	Cytology and Research Techniques in Biology
XII	Plant Biochemistry		**DSE –E28**	Horticulture and Gardening
XIII	Biology of Vascular Plants	**VI**	**DSE –F25**	Plant Biochemistry and Molecular Biology
XIV	Microbiology and Plant Pathology		**DSE –F26**	Bioinformatics, Biostatistics and Economic Botany
XV	Plant Breeding, Biostatistics, Ethnobotany and Horticulture		**DSE –F27**	Plant Biotechnology and Paleobotany
XVI	Molecular Biology and Biotechnology		**DSE –F28**	Bio fertilizers and Herbal Drug Technology

SEMESTER V
B.Sc. Part- III Botany
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10
Paper- IX DSE –E25
Genetics and Plant Breeding

Unit 1: Mendelism: 10

1.1 Introduction, Definition and Basic terminologies in genetics.

1.2 Principles of inheritance a) Law of Dominance b) Law of Segregation c) Law of independent assortment.

1.3 Gene Interaction-a) Complementary gene interaction b) Supplementary gene interaction.

Unit 2 : Linkage and Recombination 10

2.1 Linkage: Definition, Linkage group, Types, Coupling and Repulsion phase, Significance.

2.2 Recombination (Crossing over): Definition, Types , Mechanism of crossing over, Significance

2.3 Mutation – Definition, Spontaneous and Induced mutation. Types of mutagen Physical and Chemical, Significance.

Unit 3: Chromosomes structure and Variation

3.1 Chromosome structure - Introduction, types (based on position of centromere) **13**

3.2 Multiple allelism: Introduction, Definition, Self-incompatibility in plants

3.3 Quantitative inheritance: a) Polygene inheritance- Concept, examples- Kernel colour in wheat,

b) Population genetics- Hardy-Weinberg's law.

3.4 Maternal inheritance- Mendelian versus cytoplasmic inheritance, Plastid inheritance in *Mirabilis jalappa.*

3.5 Alternation in genetic make-up and its significance-

a) Change in chromosome structure- Deletion, Duplication, Inversion and Translocation.

b) Change in chromosome number- Euploidy and Aneuploidy.

Unit 4: Plant Breeding 12

4.1 Introduction, Definition of plant breeding.

4.2 Aims and objectives of plant breeding

4.3 Methods of plant breeding-

a) Introduction and acclimatization

b) Selection- i) Mass selection ii) Pure line selection iii) Clonal selection

c) Hybridization techniques in self and cross pollinated crops.

d) Male sterility and its significance

e) Mutation breeding- Gamma garden

B.Sc. Part- III Botany

CREDITS: 2, LECTURE PERIOD: 3 PER WEEK , MARKS: 40+10

Paper- XDSE –E26

Microbiology, Plant Pathology and Mushroom Culture Technology

Unit 1: Microbiology **10**

1.1 Micro organisms in biological world, characteristic features of different groups: Phytoplasma and Actinomycetes

1.2 Methods in Microbiology**:** Staining for microbes**:** Bacteria**,** Sterilization Methods, Culture Media, Pure Culture Techniques

1.3 Recombination in Bacteria: Transformation and Transduction

Unit 2: Industrial Microbiology **10**

2.1 Applications of micro-organisms with reference to Synthesis of Antibiotics (Penicillin), Organic Acids (Lactic Acid), Alcohol (Ethyl Alcohol)

2.2 Bio-pesticides- Concept, Types and Significance

Unit 3: Plant Pathology **15**

3.1 Classification of Plant Diseases: on the basis of Pathogens and Symptoms

3.2 Transmission of Pathogen- Air borne, Seed borne and Soil borne

3.3 Prevention and Control: Physical, Chemical and Biological Control, Role of Quarantine

3.4 Study of Plant Diseases-

- **i)** Grassy Shoot of Sugarcane (Phytoplasma),
- **ii)** Citrus Canker (Bacterial),
- **iii)** Yellow Vein Mosaic of Bhendi (Viral),
- **iv)** White Rust of Crucifers and Tikka Disease of ground nut (Fungal)

Unit 4: Mushroom Technology **10**

4.1. History, Types of Mushrooms: Edible (Non poisonous) and inedible (Poisonous).

4.2 Cultivation Technology:

Pure culture: Medium, Sterilization, Preparation of spawn, Multiplication, Mushroom bed preparation, factors affecting the mushroom bed preparation and composting technology in mushroom production.

4.3 Storage: Short Term (Refrigeration), Long Term Storage (Canning, Pickles, Papads), Drying in Salt Solutions

4.4 Values of Mushroom: Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.

B.Sc. Part- III Botany

CREDITS: 2, LECTURE PERIOD: 3 PER WEEK , MARKS: 40+10

Paper- XI DSE –E27

Cytology and Research Techniques in Biology

Unit 1: Cell as a unit of life **10**

I.1 Introduction, The Cell Theory, Prokaryotic and Eukaryotic cells,

1.2 Cell cycle and Apoptosis.

1.3 Cell division: Mitosis and Meiosis with their significance.

Unit 2: Cell Organelles **12**

2.1 Nucleus: Ultra structure, Nuclear envelope, Nuclear pore complex, DNA packaging in Eukaryotes.

2.2 Mitochondria: Ultrastructure, semiautonomous body and Role.

2.3 Chloroplasts: Ultrastructure, semiautonomous body and Role.

2.4 Ribosomes: Structure and Functions of Prokaryotic and Eukaryotic ribosome.

Unit 3: Sub Cellular Structures and Cell Membrane **10**

3.1. ER, Golgi body and Lysosomes: Structure and Role,

3.2 Peroxisomes and Glyoxysomes: Structure and Role.

3.3 Cell membrane: Structure, Fluid Mosaic Model, Role.

3.4Types of membranes as per permeability.

Unit 4: Research Techniques in Biology **13**

4.1 Principles of microscopy, Light, Fluorescence and Electron microscopy (EM)- Scanning EM.

4.2 Colorimetry, Spectrophotometry, Micrometry, Photomicrography,

4.3 Intellectual property right (IPR) – Concept and Importance.

4.4 Patents – Objectives, Procedure and Working

B.Sc. Part- III Botany
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10
Paper- XII DSE–E28
Horticulture and Gardening

Unit 1: Importance and divisions of Horticulture **5**

1.1: Introduction and importance of horticulture

1.2: Divisions of Horticulture – Pomology, Olericulture, Floriculture, Landscape gardening,

Unit 2: Horticultural Produce and Management of Pest and diseases **10**

2.1: Floriculture: a) Introduction, Cultivation of important cut flowers and management of important pests and diseases: Rose, Gerbera and Marigold.

b) Flower arrangements, Packing and Marketing of cut flowers.

2.2: Fruit preservation technology:

a) Physical - Drying, freezing, heat,

b) Chemical - sugar, salt, chemical preservatives.

Unit 3: Nursery **15**

3.1: Definition, objectives and scope, Infrastructure for nursery

3.2: Propagation Practices: Sexual and Asexual

a) Sexual: Seed: Sowing of seed, Transplanting of seedling, Advantages and Disadvantages.

b) Vegetative: i) Cutting – Definition, Stem cutting (Hard wood stem and soft wood stem),Use of PGR's for rooting

ii) Layering –Definition, Simple layering, Air layering

iii) Grafting – Definition, Whip grafting, Approach grafting

iv) Budding: Definition, T-budding, Patch budding

c) By specialized vegetative structure – Bulbs, Corms, Tubers, Rhizomes

Unit 4: Landscape Gardening **15**

4.1 Definition, scope and objectives

4.2 Indoor Garden – Indoor plants, bottle garden, dish garden, hanging basket, Bonsai, Vertical Garden

3.3 Outdoor Garden – Lawns, Preparation of lawn, lawn types, Rockery, Terrace garden, Water garden, green house and polyhouse

3.4 Important aesthetic Gardens of India: i) Mughal garden, Delhi

ii) Brindavan garden, Mysore.

SEMESTER- VI
B.Sc. Part- III Botany
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10
Paper- XIII DSE –F25
Plant Biochemistry and Molecular Biology

Unit 1: Carbohydrates **12**

1.1 Introduction and Classification of carbohydrates.

1.2 Structure and Properties of- a) Monosaccharides (Pentose: Ribose, Hexose: Glucose),
b) Oligosaccharides (Sucrose), c) Polysaccharides (starch).

1.3 Isomerism: Types of Isomers (Structural and Stereoisomer)

1.4 Significance of carbohydrates

Unit 2 : Lipids **12**

2.1 Introduction, General Structure, properties and classification of Lipids

2.2 Structure and properties of Saturated Fatty Acids (Stearic and Palmitic acid) and Unsaturated Fatty Acids (Oleic acid, Linoleic and)

2.3 Significance of Lipids

Unit 3: Proteins **11**

3.1. Introduction, ructure**,** Properties, Characteristics and classification of Amino acids

3.2. Brief Outline of biosynthesis of Amino acid: Proline

3.3. General Structure, Classification of Protein

3.4. Protein Biosynthesis in Eukaryotes: Transcription and translation

Unit 4: Nucleic Acids **10**

4.1 Introduction, Composition and Structure

4.2 DNA: Watson and Crick Model, Forms of DNA (A, B and Z)

4.3 DNA Replication in Eukaryotes

4.4 RNA: Types, structure and role of RNA's

4.5 Regulation of Gene expression**-** Lac Operon, Tryptophan Operon

B.Sc. Part- III Botany
CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10

Paper- XIV DSE –F26
Bioinformatics, Biostatistics and Economic Botany

Unit 1: Bioinformatics 14

1.1 Introduction, Aim, Scope and Branches of Bioinformatics

1.2 Biological Databases: Classification Format and Retrieval system of Biological Database, National Center for Biotechnological Information (NCBI), Basic Local Alignment Search Tool (BLAST)

1.3Protein Information Resource (PIR) - Concept, Resources, Databases and Data Retrieval

1.5 Applications of Bioinformatics- Molecular Phylogeny (Concept, Methods, Analysis and Consistency)

Unit 2: Biostatistics 11

2.1 Introduction, definition, terminology.

2.2 Collection and presentation of data: Types of data, techniques of data collection- Census method, sampling method- simple random, stratified and systematic sampling.

Classification, tabulation, graphical representation- Histogram and polygon.

2.3 Measures of central tendency and Dispersion: Arithmetic mean, Mode, Median, Range, Deviation, Mean deviation, Standard Deviation, Coefficient of Variation.

2.4 Statistical methods for testing the hypothesis') Students' T-test ii) Chi-square test.

Unit 3: Economic Botany: Cereals, Legumes and Oils 10

3.1 Origin of Cultivated Plants - Concept of centers of origin, their importance with reference to Vavilov's work.

3.2 Cereals: Origin, Botanical Name, Morphology, Sources and Economic importance of Wheat.

3.3 Legumes: Origin, Botanical Name, Morphology, Sources and Economic importance of Gram and Soybean.

3.4 Oils and Fats: Origin, Botanical Name, Morphology, Parts used and uses of Ground nut.

Unit 4: Economic Botany: Spices, Beverages and Fibers 10

4.1 Spices and Condiments - Origin, Botanical Name, Morphology, Parts used and Uses of Clove and Black pepper.

4.2 Beverages – Origin, Botanical Name, Morphology, Parts used and uses of Tea.

4.3 Fibre yielding Plants - Origin, Botanical Name, Morphology, Parts used and uses of Cotton.

B.Sc. Part- III Botany

CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10

Paper- XV DSE –F27

Plant Biotechnology and Paleobotany

Unit 1: Plant Biotechnology **03**

1.1 History, Definition, Scope and Importance (Areas of application)

1.2 Biotechnology in India

Unit 2: Recombinant DNA Technology **15**

2.1. Introduction, Principles and enzymes involved in DNA technology..

2.2. Cloning Vectors: a) Prokaryotic- Plasmid, Lambda phage and Cosmid.
(Brief idea) b) Eukaryotic-YAC (Yeast Artificial Chromosomes).

2.3Southern blotting and Northern blotting techniques and its applications, Molecular Probes

2.4. DNA Fingerprinting, Molecular DNA Markers (RAPD, RFLP)

2.5 PCR, DNA sequencing and Concept of Gene bank.

Unit 3: Plant Tissue Culture **15**

3.1 Principles and Terminologies, Laboratory Requirement (Conditions and Instruments), Culture Media, Totipotency and Cellular Differentiation,

3.2 Micro propagation: Stages of Micro propagation- Callus formation, Root Initiation, Shoot Initiation, Primary and Secondary Hardening, Advantages and disadvantages

3.3 Embryogenesis: Protoplast culture, Cybrid

3.4 Somaclonal Variations

Unit 4: Paleobotany **12**

4.1 General account, Geological time scale, process of fossilization, Types of fossils.

4.2 Study of following form genera with reference to systematic position, external morphology and affinities: a) *Lyginopteris* b) *Enigmocarpon*.

4.3 Application of paleobotany: Role of microfossil in oil and coal exploration.

B.Sc. Part- III Botany

CREDITS: 2, LECTURE PERIOD: 3 PER WEEK, MARKS: 40+10

Paper- XVI DSE –F28

Bio fertilizers and Herbal Drug Technology

Unit 1: Biofertilizers **11**

1.1 Introduction, Importance, types and study of –

a) Bacterial fertilizers: *Rhizobium*, *Azotobacter*, *Azospirillum*

b) Blue green Algal:, Cyanobacteria (BGA): *Nostoc*, *Anabaena*.

c) Mycorrhizal association: VAM

d) Fungal: *Trichoderma*

1.2 Organic manures –

a) Farm Yard Manure, Green manure, Compost

b) Vermicomposting and Vermi-wash

Unit 2: Herbal Medicines **11**

2.1 Definition, Importance of herbal medicines

2.2 Classification of crude drugs: Taxonomical, Morphological and Chemical

2.3 Identification, authentication, collection, processing and storage of medicinal plants.

2.4 Introduction to general methods of extraction, isolation and purification of Phyto constituents.

Unit 3: Herbal cosmetology **11**

3.1 Applications of herbs in cosmetics: Shampoo (*Sapindus laurifolius, Acacia concinna*), hair dye (*Lawsonia inermis*)

3.2 Facemask (*Santalum album*), bath oil (*Rosa indica*), perfume (*Jasminum sambac*).

Unit 4: Pharmacognosy **12**

4.1 Pharmacognosy: Introduction And, Definition

4.2 Medicinal uses of Tulsi, Ginger, Methi, Avala.

4.3 Adulteration of drugs of natural origin: Evaluation by morphological, Microscopic, Chemical, Physical, Chromatographical, Spectrophotometric.

4.4 Plant antioxidants: Properties of Antioxidants, Vitamins (C and E)

Shivaji University, Kolhapur

B.Sc. III Botany (CBCS Syllabus)

Practical-I (Based on Paper No. X and XV)

1	Preparation of culture media –PDA (slants and Plates) and sterilization.
2	Methods of inoculation- on slants and plates
3	Isolation of soil fungi by serial dilution method.
4	Study of different types of stains in biological studies.
5	Method of control of seed borne diseases (Dipping/Seed dressing)
6 and 7	Plant diseases as per theory
8 and 9	Demonstration of Mushroom Cultivation and Harvesting
10	Isolation of plant genomic DNA and its spooling.
11	Calorimetric estimation of DNA using di-phenyl amine.
12	Preparation of plant tissue culture medium (M.S.).
13	Demonstration of techniques of *In Vitro* culture using suitable ex-plant.
14	Demonstration of inoculation of explants on suitable medium (M.S.)
15	Isolation of Protoplast.
16	Study of steps in genetic engineering for the production of Golden rice **w**ith the help of photographs.
17	Identification of types of fossils – i) Impression ii) Compression iii) Petrification IV) Coal.
18	Identification of – i) *Lyginopteris*
19	Identification of *Enigmocarpon*
20	Submission of plant diseases

Shivaji University, Kolhapur
B.Sc. III Botany (CBCS Syllabus)
Practical-II (Based on Paper No. IX and XIV)

1. Genetic examples on Linkage.

2 Genetic examples on Crossing over

3 Genetic examples on Polygene inheritance

4 Determination of chromosome count in PMCs in ***Allium / Cynoetis*.**

5 Detection of meiotic anomalies in chromosomes in ***Rhoeo.***

6 Preparation of karyotypes – idiograms by using photographs.

7 Methods of emasculation

8 Breeding techniques in a) Malvaceae b) Fabaceae c) Poaceae

9 Mounting of floral parts.

10 Study of World map to show Vavilov's centers of origin of cultivated plants.

11 Study of Botanical Name. Morphology, Parts used and Economic importance of Wheat.

12 Study of Botanical Name. Morphology, Parts used and Economic importance of Gram and Soybean.

13 Study of Botanical Name. Morphology, Parts used and Economic importance of Clove and Black pepper.

14 Study of Botanical Name. Morphology, Parts used and Economic importance of Ground nut.

15 Study of Botanical Name. Morphology, Parts used and Economic importance of Cotton.

16 Measures of central tendency of given data.

17 Study of frequency distribution and its graphical representation

18 Determination of Standard deviation of the given data.

19 Submission of PPT on the basis gene transfer method.

Shivaji University, Kolhapur
B.Sc. III Botany (CBCS Syllabus)
Practical-III (Based on Paper No. XI and XVI)

1. To study prokaryotic cells (bacteria), eukaryotic cells with the help of electron micrograł / photographs.

2 and 3 Study of the photomicrography technique.

4 Study of cell structure in Onion, *Hydrilla* leaf and *Spirogyra* filament.

5 Study of mitosis.

6 Study of meiosis.

7. Use of dialysis to separate smaller molecules from larger molecules.

8 Micrometry technique.

9 Study of DNA packaging by micrographs.

10 Study of Beer and Lambert's Law.

11 Preparation of permanent cytological slides.

12 Submission of photomicrograph.

13 Application of Biofertilizers - i) *Nostoc* ii) *Azotobacter iii*) *Rhizobium iv) Trichoderma*

14 Identification of organic manure – i) Green manure (*Crotolaria juncea*),
ii) Vermicompost iii) Vermiwash

15 and Herbal Preparations of

16 i) Churn (Triphalachurna) ii) Kadha /Decoction (Adulsa)
iii) Hair oil (Maka)iv) Shampoo (Ritha, Shikakai).

17 Biochemical test for drug adulteration of
i) Haladi (*Curcuma longa*) ii) Hing (*Ferulaassa-foetida*)
iii) Camphor (*Cinnamomum camphora*) iv) Saffron (*Crocus sativus)*

18 Macroscopic (Organoleptic) study of – i) Tulsi ii) Ginger iii) Methii v) Avala.

19 Determination of Vein-islet Number by Camera Lucida.

20. Phytochemical analysis- Qualitative tests for Tannins, Alkaloids, Saponins, Steroids, Terpenoids, Flavonoids, reducing sugars, carbohydrates. (Any four).

21 Visit to Herbal cosmetics industry/Pharma industry (Separate handwritten report to be submitted by student).

Shivaji University, Kolhapur
B.Sc. III Botany (CBCS Syllabus)
Practical-IV (Based on Paper No. XII and XIII)

1. Study of budding technique – Patch and T-budding
2. Study of Layering technique – Air layering
3. Study of Grafting technique – Whip and Approach
4. Technique of Potting and Repotting
5. Demonstration of Bonsai
6. Demonstration of Bottle garden and hanging baskets.
7. Floral arrangement – Flower pot, Floral bouquet, Floral Rangoli
8. Garden implements (Any five) – Garden shear, sickle, cutter, shovel, budding knife, secateur, water can, pruning scissors, sprayer, spade
9. Study of ornamental plants – Rose, Gerbera, Marigold
10. Study of hedge and edge plants.
11. Study of indoor plants.
12. Qualitative test for sugar in plant material
13. Qualitative tests for starch and cellulose in plant material
14. Qualitative test for proteins.
15. Qualitative test for lipids.
16. Identification of sugars by ascending paper chromatography.
17. Determination of fatty acid value of oil sample.
18. Separation and identification of amino acids by TLC (Thin Layer Chromatography).
19. Determination of iso-eletric point of plant protein.
20. Visit to nursery/ Aesthetic garden / Exhibition / Food industry (Separate handwritten report to be submitted by student)

List of Books Recommended for B. Sc. III Botany

Cytology and Genetics ---

1. Cell Biology - S. C. Rastogi (1992)
2. Cell Biology - C. B. Powar (2000)
3. Cell Biology, Genetics, Evolution and Ecology – P S. Verma, V K. Agarwal (2001)
4. Cell Biology - R. Dowben (1971)
5. Cell and Molecular Biology – P. K. Gupta (1999)
6. Cell and Molecular Biology (2001) – E. D. P De Robertis& E. M. F De Robertis (Jr.)
7. Cell Physiology - A C. Giese (1979)
8. Cellular Energy Metabolism and Its Regulation - Atkinson, D. E. (1977)
9. Genetics - P. K Gupta (1997)Rastogi Publications. Shivaji Road, Meerut.
10. Gene Action - Hartman alldSuskind (1968)
11. Cytology and Genetics.--Dnyansagar(T. Magrewith& Co.)
12. Plant Chromosomes: Laboratory Methods--Fukui. K. and Nakayama S. 1996. CRC Press, Boca Raton, Florida.
13. Plant Chromosomes: AnalysisManipulation and Engineering. Sharma A.K. and Sharma A. 1999. Hawood Academic Publishing, Australia.
14. Fundamentals of Cytology --L. W. Sharp.
15. Principles of Genetics -Snustad. D. P. and Simmons. M.J. 2000. (2nd Edition).John Wiley & Sons Inc., USA.
16. Cytogenetics and Plant Breeding-- S N. Chandrashekharan and S. V. ParthaSarathy.
17. The Science of Genetics.-Atherly. A.G., Girton. J.R. and McDonald. 1999. Saunders College Publishing Co., Fort Worth USA.
18. Principles of Genetics- Gardener. J., Simmons. H.J. and Snustad. D.P. 1991. (8^{th} Edition). John Wiley & Sons, New York.
19. Genetics: Principles and Analysis--Hartl.D.L.andJones.E.W. 1998. (4^{th}Edition) Jones & Barlett Publishers. Massachusetts. USA.
20. Genetics (5th Edition).-Russel. P.J. 1998. The Benjamin/Cummings Publishing Co., Inc., USA.
21. MolecularBiology of Cell. Alberts B., Bray D., Lewis, J., Raff, M. Roberts, K. and Wastson, J.D. 1999.Garland Publishing Co., Inc., New York USA.
22. Karp, G. 2010. Cell and Molecular Biology: Concepts and Experiments. 6th Edition. John Wiley & Sons. Inc.
23. De Robertis, E.D.P. and De Robertis, E.M.F. 2006. Cell and Molecular Biology. 8th edition. Lippincott Williams and Wilkins, Philadelphia.
24. Becker, W.M., Kleinsmith, L.J., Hardin. J. and Bertoni, G. P. 2009. The World of the Cell. 7th edition. Pearson Benjamin Cummings Publishing, San Francisco.
25. Molecular biology (principles and practices) Dr. priyanka Siwach and Dr. Namita singh laxmi publication. ISBN 9788131807476.
26. Molecular biology , N Arumugam , Saras Publication . ISBN 9789382459835
27. Molecular biology , Dr. P.S. Verma , Dr. V.K. Agrawal, P.Chand Publication
28. Molecular biology Concepts for Inquiry Jenifer A Hackett.
29. Esential cell biology 4^{th} edition Bruce alberts, Dennis bray,Karen Hopkin, AlexanderD, Jahnson.

Economic Botany:

1. Kocchar, S. L. 1998. Economic Botany in Tropics, 2nd edition. MacmillanIndia Ltd., New Delhi.
2. A Textbook ofEconomic Botany--Sambamurthy, A. V. S. S. and Subramanyam, N. S. 1989. Wiley Eastern Ltd., New Delhi.
3. Hill's Economic Botany. -- Sharma, O. P. 1996. Tata McGraw Hill PublishingCompany Ltd., New Delhi.
4. Economic Botany - Plants inOur World. Simpson, B. B. and Conner-Ogorzaly, M. 1986. McGraw Hill, New York.

Horticulture and Gardening:

I. Gardening in India. -- Perey Lancaster (1997) Oxford & I B H Publishing Co.Pvt.Ltd,New Delhi.
2. Floriculture: Fundamentals & Practices. - Alex Laurie and Ries V.C. (2003)
3. Percy Lancaster's Gardening in India.- Bose, T.K. and Mukherjee, D. (1997) (Ed.)Oxford and IBH Publ. (P.) Ltd,, New Delhi, India.
4. A Art of Miniature Plant Culture. - Day, S.C. (2003)Agrobias. Jodhpur, India.
5. Complete Home Gardening. -Dej, S.C. (2003) Agrobias, Jodhpur, India.
6. Principles and Techniques for Plant Scientists. -Dhopte, A.M. (2003) Agrobios,Jodhpur, India.
7. Horticulture and Gardening.- Khan, M.R. (1995) NiraliPrakashan, Pune. India.
8. Gardening for every one- PramilaMehra. Hind pocket book private limited, NewDehli.
9. Kumarsen V. Horticulture ,Saras Publication
10.Bose T.K. & Mukherjee, D., 1972, Gardening in India, Oxford & IBH PublishingCo., New Delhi.
11. Sandhu, M.K., 1989, Plant Propagation, Wile Eastern Ltd., Bangalore, Madras.
12.Kumar, N., 1997, Introduction to Horticulture, Rajalakshmi Publications, Nagercoil.
13.Edmond Musser & Andres, Fundamentals of Horticulture, McGraw Hill Book Co.,New Delhi.
14.Agrawal, P.K. 1993, Hand Book of Seed Technology, Dept. of Agriculture andCooperation, National _Seed Corporation Ltd., New Delhi.
15.Janick Jules. 1979. Horticultural Science. (3rd Ed.), W.H. Freeman and Co., SanFrancisco, USA.
16.Randhawa, G.S. and Mukhopadhyay, A. 1986. Floriculture in India. Allied Publishers.

Microbiology and Plant Pathology

1) Microbiology- P.D.Sharma; Rastogi Publications
2) Plant Pathology- Mehrotra
3) Plant Diseases- R.S. Singh
4) Plant Diseases- Rangaswamy

Biochemistry

1) Fundamentals of Biochemistry- J.L.Jain, Sunjay Jain, Nitin Jain; S. Chand & Company Ltd.
2) Cell Biology, Genetics, Molecular Biology, Evolution and Ecology- P. S. Verma, V. K. Agarwal; S. Chand & Company Ltd.

Bioinformatics

1) Introduction to Bioinformatics – S. Sundara Rajan, R. Balaji; Himalaya Publishing House.

Plant Biotechnology

1. Elements Of Biotechnology- P. K. Gupta (Second Edition); Rastogi Publications

2. Plant Tissue Culture - Kalyan Kumar De; New Central Book Agency (P) Ltd.

3. Introduction to Plant Tissue Culture - M. K. Razdan (Second Edition); Oxford & IBH Publishing Co. Pvt. Ltd.

4. Practical Biotechnology and Plant Tissue Culture - Prof. Santosh Nagar, Dr. Madhuri Adhav; S. Chand & Co. Ltd.

5. Arnold C.A.1972. An Introduction to PalaeobotanyTata McGraw-Hill,

6. Andrews H.N. Studies in Palaeobotany 1961. John Wiley & Sons Canada, Limited,

7. Shukla A.C. and S.P . Mishra. Essentials of Palaeobotany.

8. Wilson, N. S. and Rothwell,G.W.1983. Palaeobotany and the Evolution of Plants (2ndEdition).Cambridge University Press U.K.

9. Dubey, R.C., 2005 A Text book of Biotechnology S.Chand& Co, New Delhi.

10. Kumaresan, V. 2005, Biotechnology, Saras Publications, New Delhi.

11. John JothiPrakash, E. 2004. Outlines of Plant Biotechnology. Emkay ¬Publication, NewDelhi.

Biofertilizers and Herbal Technology

1. Sathe, T.V. 2004 Vermiculture and Organic Farming. Daya publishers.

2. SubhaRao, N.S. 2000, Soil Microbiology, Oxford & IBH Publishers, New ¬Delhi.

3. Vayas,S.C, Vayas, S. and Modi, H.A. 1998 Bio-fertilizers and organic ¬Farming Akta Prakashan, Nadiad

4. Chopra R.N., S.L.Nayar and I.C.Chopra, 1956.Glossary of Indian medicinal plants C.S.I.R, New Delhi.

5. Dey and Raj Bahadur,1984. The indigenous drugs of India, Kanny, Lall,. International Book Distributors.

Details of Practical Examination

A) Every candidate must produce a certificate from Head of the Dept. in his /her college, stating that he / she has completed practical course in satisfactory manner as per guidelines laid down by Academic Council on the recommendations of Board of Studies in Botany. The student should record his / her observations and report of each experiment should be written in the journal. The journal is to be signed periodically by teacher in charge and certified by the Head of the Department at the end of year. Candidates have to produce their certificated journal and tour report at the time of practical examination. Candidate is not "allowed to appear" for the practical examination without a certified journal / a certificate from Head of the Botany Dept. regarding the same.

B) Practical Examination shall be of Five hours duration and shall test a candidate in respect of the following.

1. Practical study of external and internal structures of different plant types and their classification. Making temporary stained preparations and identification.
2. Identification and setting of experiments as per syllabus.
4. Spotting of the specimens as per syllabus.

Botanical Excursions

One teacher along with a batch not more than 20 students be taken for botanical excursion to places of Botanical interest, one in each term. If there are female students in a batch of 20 students, one additional lady teacher is permissible for excursion. Each excursion will not be more than SEVEN days during college working days. T.A. and D.A. for teachers and non-teaching staff participating in excursions should be paid as per rules. Tour report duly certified by tour in charge teacher and Head of the Department should be submitted at the time of practical examination. For every study tour take the prior permission of the head of the department and Principal.

Practical Course

B. Sc. III Botany Practical course covered in four practical numbers (Practical no.1 , Practical no.2, practical no.3 and practical no. 4 with total 80 practicals). These practicals are to be performed by the students. Each practical is to be supplemented by permanent slides, preserved / fresh specimens / materials, charts, herbarium sheets, etc. wherever necessary.

C] OTHER FEATURES:

1. INTAKE CAPACITY / NUMBER OF STUDENTS:-

As per university rules.

2. TEACHERS QUALIFICATIONS:-

- As prescribed by norms.
- However required number of core faculty should be given for particular course along with paper wise and Specialization wise work load allocation.
- Work load details should be as per Apex body/UGC/State Govt./University norms.

2 The Board of studies should clearly mention the required Books, Journals and specific Equipments necessary for the Course.

(A) LIBRARY: Library be equipped with the required Reference and Text Books, Journals and Periodicals for higher and advanced studies as per stated in revised syllabus and approved by BOS.

(B) SPECIFIC EQUIPMENTS:

T.V., V.C.R. V.C.P., L.C.D., Overhead Projector, Computers and necessary software and operating systems etc. are necessary to run the course.

(C) LABORATORY SAFETY EQUIPMENTS

i)Fire extinguishers at least two sets in each laboratory of 600 sq.ft. Area.

ii) Leakage of gases be avoided.

iii) First aid kit be made available.

iv) Sugar / Glucose –500gm pack- a pinch of sugar and a cup of drinking

water in hypoglycemic condition or in extreme weakness of student or

a person concerned

B) GENERAL SAFETY RULES FOR LABORATORY WORK

1) List of equipments needed for Laboratory Safety:-

1. Fire extinguisher
2. First Aid Kit
3. Good earthing and insulated wirings for electrical supply.
4. Emergency exit
5. Apron and goggles wherever necessary
6. Fuming Chambers
7. Masks flows and shoes while handling hazardous chemicals & gases (Good valves, manometers and regulators for gas supply)
8. Operational manuals for instruments (handling to be made as suggested.)
9. Rules of animals and blanks ethics.
10. Leakage of gases to be avoided.
11. Cylinders or flow pipes to handle Acids.
12. No weighings for NaOH and hygroscopic substances.
13. Stabilized supply in the laboratory.

2) There Is No Substitute for Safety

1. Any injury no matter how small, it must be reported to teacher immediately.
2. a) In case any chemical enters your eyes go immediately to eye- wash facility and flush your eyes and face with large amount of water.

   b) For acid or phenol split, do not use water instead put some bicarbonate.
3. In case of fire, immediately switch of all gas connections in the laboratory and pour sand on the source of fire or cover it with asbestos or cement sheet.
4. While leaving laboratory, make sure that gas, water taps and electricity are switched off.
5. Remove your lab coat. Gloves and clean your hands before leaving laboratory.
6. Make your workplace clean before leaving the laboratory.
7. Keep your hands away from your face, while working in laboratory.
8. Each laboratory must have a first aid box.

9. Know what to do in case of emergency - e.g.

   (a) Know the place of fire extinguisher and first aid box.

10. Don't use cell phones in the laboratory.

    (a) Remember important phone numbers

3) DO's

1. Always wear lab coat, shoes in the laboratory. Every student must have their weight box, a napkin etc.
2. Maintain separate record book for each subject.
3. Keep your belongings at the place allotted for the same.
4. Maintain silence, order, cleanliness and discipline in the laboratory.
5. Work at the place allotted to you or specially used for certain operations.
6. Keep the working table clean.
7. Handle the laboratory equipments, glassware and chemical with great care.
8. Use only required quantities of material and apparatus of essential size.
9. Perform the test in their proper order.
10. Know the location of eye wash fountain and water shower.
11. Minimize your exposure to organic solvents.
12. The Metal like sodium should be kept under kerosene or liquid paraffin layer in a vessel with a cork stopper.
13. Sodium metal should be cut on dry filter paper. The cut off pieces of sodium should be immediately collected in a vessel containing kerosene or liquid paraffin.
14. Always pour acid into water when diluting and stir slightly.
15. All operations involving poisonous flammable gases and vapours should be carried out in the flame chamber (with exhaust facility)
16. Ladies should avoid wearing saree. If it is there, apron is essential.

4) DON'T

1. Don't work alone in the laboratory
2. Don't leave the glass wares unwashed.
3. Don't take apparatus, chemicals out of lab.
4. Don't leave any substance in a vessel or bottle without label.
5. Don't weigh the reagent directly on the balance pan.
6. Don't throw the cut off pieces of sodium metal in sink or water. Transfer it immediately in its container.
7. Don't take sodium metal with hands. Use forceps.
8. Don't panic and run in case of fire. Use the fire extinguishers or sand buckets.

9. Don’t breathe the vapours of organic solvents.
10. Don’t pour any unused reagent back in its stock bottle.
11. Don’t eat or drink any food in laboratory.
12. Don’t use inflammable solvents like benzene, ether, chloroform, acetone and alcohol around flame.
13. Don’t distill to dryness.
14. Don’t exchange stoppers of flasks and bottles containing different reagents.
15. Don’t leave reagent bottle lying on the table.
16. Don’t disturb the order of reagent bottles in which they are placed.
17. Don’t bring reagent on your working table from the general shelf.
18. Don’t throw burning matchstick into dustbin.
19. Don’t leave the laboratory without permission.

5) LABORATORY / FIELD WORK CARE AND SAFTY FOR BOTANY STUDENTS

1. Unnecessary wastage of plant material during practical should be avoided.
2. During study tour / personal collection, more emphasis be given on study of plants in nature and collection of wild plants should not be carried out.
3. If at all the collection of the plant material in needed, it should be carried out under supervision of concerned teacher. Collection of poisonous plants / poisonous mushrooms should be avoided.
4. Oral intake of unknown plant material, out of curiosity, during practical or collection tour is strictly prohibited.
5. If there is any allergic reaction while handling the plants / plant parts / pollen grains / fungal specimens it should be immediately brought to the notice of the concerned teacher and reported to the registered medical purloiner.
6. Wearing of hand gloves (and mask) is essential while handling poisonous plants / herbarium sheets / toxic and hazardous chemicals / reagents / strong acids / strong alkalis during the experiment should be made with vacuum pipette / auto pipette / burette under the supervision of concerned teacher / lab assistant.
7. Highly inflammable organic solvents (alcohol, acetone etc.) should not be kept in vicinity of spirit lamp.
8. The laboratory safety measures adopted for handling of hazardous chemicals in chemistry practicals should be followed for conducting practicals in plant biochemistry / microbiology.
9. Operational manuals for equipments such or centrifuge, autoclave, spectrophotometer should be followed.

10. In case of minor injuries, preliminary treatment should be undertaken with the help of first aid kit available in the laboratory. In case of serious injury, concerned teacher should be immediately contacted for consultation to the physician.

11. The instruction report for breeding, experimentation will be submitted in a week period. (Which are laid down by Ministry of Social Justice & Empowerment and Ministry of Environment and Forests, Govt. of India).

Course outcomes

1. Students are acquainted with basic as well as recent knowledge in the field of molecular biology, biotechnology and bioinformatics

2. Acquiring the basic procedure in the field of microbiology and plant pathology.

3. To develop skills in of horticulture including nursery, landscaping, gardening, floriculture and polomology

4. Students will be able to demonstrate their knowledge, skills and attributes to be successful contributing members o the horticulture profession.

5. Acquaint the student with the comprehensive knowledge in the bio fertilizers, herbal drug technology and paleobotany

6. Students will able to demonstrate their understanding of relevant course theories and concepts

Students able to Mendelian and Neo-mendelian genetics

7. Students become familiar with the Organic manures, Herbal Medicines, Herbal cosmetology and Pharmacognosy.

8. Understand the methods of Plant Biotechnology, Protoplast culture and Recombinant DNA Technology.

9. Acquainted the scope of paleobotany in the present scenario and understand the fossil genera

10. Aware about the Spices, Beverages and Fibers, Cereals, Legumes and Oils.

11. Understand the of carbohydrates, lipids, proteins

12. Understand the techniques of plant breeding

13. Understand the techniques of mushroom cultivation.

14. Acquainted the techniques of micrometry, chromatography and other laboratory techniques used in the field of life science.

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC

(2021)

Revised Syllabus For

B. Sc. I Botany

(Faculty of Science & Technology)

Paper –I, II - (Semester- I)

and

Paper -III, IV - (Semester-II)

(NEP-2020) Syllabus to be implemented from August 2022 onwards.

A] **Ordinance and Regulations: (As applicable to Degree Course)**

B] **Shivaji University, Kolhapur**

Revised Syllabus For

Bachelor of Science

1. **TITLE : Subject- Botany**

   Optional under the Faculty of Science and Technology

2. **YEAR OF IMPLEMENTATION**:- Revised Syllabi implemented from August 2022 onwards.

3. PREAMBLE:-

[Note :-The Board of Studies should briefly mention foundation, core and applied components of the course / paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.**]**

4. GENERAL OBJECTIVES OF THE COURSE:
(as applicable to the Degree concerned)

Objectives:-

1) To impart knowledge of Science.

2) To develop scientific attitude, open Minded, critical, curious.

3) To develop skill in practical work, experiments and laboratory materials and equipments along with the collection and interpretation of scientific data to contribute the science.

4) To understand scientific terms, concepts, facts, phenomenon and their relationships.

5) To make the students aware of natural resources and environment.

6) To provide practical experience to the students as a part of the course

7) To develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.

8) To acquire knowledge of plant and related subjects so as to understand natural phenomenon, manipulation of nature and environment in the benefit of humanbeings.

9) To develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country selfreliant and sufficient.

10) To create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.

5. DURATION

The course shall be a full time course.

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules.

1. Refer brochure and prospectus of concern affiliated college/institute to Shivaji University, Kolhapur.
2. Other fee will be applicable as per rules and norms of Shivaji University, Kolhapur.

8. ELIGIBILITY FOR ADMISSION:

As per guidelines obtained from Shivaji University, Kolhapur by following rules and regarding reservations by Govt. of Maharashtra**.**

9. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English.

10. STRUCTURE OF COURSE- B. Sc. I Botany

FIRST YEAR (SEMESTER I and II) (Total Number of papers - IV)

Sr. No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Paper-I	**50**	-	50
2.	Paper-II	**50**	-	50
3.	Paper-III	**50**	-	50
4.	Paper-IV	**50**	-	50
	Practical			50
	Total			**250**

11. SCHEME OF TEACHING AND EXAMINATION:-

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

FIRST YEAR - SEMESTER – I/ II : Botany (Optional)

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				ExaminationScheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
	Semester-I							
1	Paper-I	2.5	-	-	2.5	50		50
2	Paper-II	2.5	-	-	2.5	50		50
	Semester-II							
3	Paper-III	2.5	-	-	2.5	50		50
4	Paper-IV	2.5	-	-	2.5	50		50
	Practical- I (annual)	-	-	4	04	50	-	50
	Total	**05**	**-**	**04**	**09**	**-**	**-**	**250**

- Practical Examination will be conducted annually for 50 Marks.
- Except English, there shall be combined passing for two theory courses of 50 marks each. i.e. Minimum 35 marks are required for passing out of 100.
- There shall be separate passing for theory and practical courses.
- CGPA Ability Enhancement Compulsory Course(AECC) for (A and B) is English
- SEC- Skill Enhancement Course (Vocational Studies –I):

  Field Projects/ Internship/ Apprenticeships/ Community Engagement and Services, any one Selected From Pool of Courses .

  Total Marks for B.Sc.-I Botany (Excluding English) : 250
- Theory and practical lectures : 48 minutes each

  Exit at Level 5:

Those who are interested to exit after Level 5 shall have to complete the SEC-I and SEC-II courses with allotted credits of Shivaji University Guidelines

U.G. structure for Science

SEM	DSC	DSE/OEC/ GEC/IDS	AECC Languages	Skill Enhancement courses(SEC) Multidisciplinary	Total
I	4 x (4+2)=24		4	SEC-1(1)	30
				VBC (1)	
II	4 x (4+2)=24		4	SEC II (2)	30
III	3 x 8=24		4(EVS)	SEC III (2)	30
IV	3 x 8=24			SEC IV (2)	26
V		DSE[4x(2+2)= 16]	4	SEC V (2)	22
VI		DSE[4x(2+2)= 16]	4	SEC VI (2)	22
	Total credits				160

Programme Structure for Bachelor of Science with Botany as a Major subject
With Multiple Entry Multiple Exit Options

SEM	Discipline Specific Core Courses (DSC) (L+P) (Credits)	Discipline Specific Elective Courses (DSE) (L+P) (Credits)	Ability Enhancement Compulsory Courses (AECC) (L+P) (Credits)	Skill Enhancement Courses (SEC)		Total Credits
				Vocational Courses (L+P) (Credits) (Non	Value Based Courses (P)	
I	Botany- (Theory 4 + practical 2 = 6 credits). And any other three courses along with botany Physics / Chemistry / Zoology / Microbiology / Geology / Comp. Sc. / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / statistics (courses- 3 x credits- 6=18 credits) **Total credits 24**	--	AECC-1; (4) credits)- English for communication.	SEC-1: (1 –credit) Multidisciplinary (select From the Pool of Courses)	VBC (1 credit)	30
II	Botany- Theory credits 4 practical credits 2 Total credits for each subject= 6 credits). And any other three courses along with botany Physics / Chemistry / Zoology / Microbiology / Geology / Comp. Sc. / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / statistics (courses- 3 x credits- 6=18 credits) **Total credits 24**	--	AECC- 2: (4 credits) Eng for communication	SEC-2: (2- credit) Multidisciplinary (select From the Pool of Courses)		30
Level 5 : Exit with Certificate Course in Science with the completion minimum credits as per the Shivaji						

University Guidelines.						
III	**Botany (Theory 4 + practical 4) = 8 credits** Along with botany select any two courses form Physics / Chemistry / Zoology / Microbiology / Geology / Comp. Sc./ Pollution / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / Statistics / Astrophysics/ Plant Protection. (2 courses x 8 credits = 16 credits) **Total credits 24**	--		SEC-3 (2 credits) Multidisciplinary (select From the Pool of Courses)		26
IV	**Botany (Theory 4 + practical 4) = 8 credits** Along with botany select any two courses form Physics / Chemistry / Zoology / Microbiology / Geology / Comp. Sc. / Pollution / Biotech ./Electronics / Geography / Industrial Microbiology / Maths / statistics / Astrophysics/ Plant Protection. (2 courses x 8 credits = 16 credits) **Total credits 24**	--	AECC-3 : (4 credits) Environmental Studies (Project)	SEC- 4 (2 credits) Multidisciplinary (select From the Pool of Courses)		30
Level 6 : Exit with Diploma in Science (with the completion of with the completion minimum credits as per the Shivaji University Guidelines.						

V	--	Four DSE courses of Botany (Theory credits = 2 + practical credits = 2 Total credits for each course = 4 (4 courses x 4 credits each =16 credits) Total credits= 16	AECC-4 (4 credits) Professional Communication (Eng)	SEC- 5 (2 credits) Multidisciplinary (select From the Pool of Courses)		22
VI	--	Four DSE courses of Botany (2+2) = 4 credits each (4 x 4 =16 credits) Total credits= 16	AECC-6 (4 credits) Professional Communication (Eng)	SEC- 6 Multidisciplinary (select From the Pool of Courses)		22
	Total credits					160

Level 7 : Exit with three years Bachelor of Science (with the completion minimum credits as per the Shivaji University Guidelines.
) or continue studies for Bachelor with (Honours/Research) four year Degree Programme

Note: 1. For first year Sem-I, students have to select any four DSC courses available at their respective colleges. Same four courses they have to continue for Sem-II.

2. For second year Sem-III, students have to select any three out of four DSC courses of first year. Same three courses they have to continue For Sem-IV.

3. For third year Sem –V, students have to select any one DSC course out of three DSC courses of second year. Same course they have to continue for Sem-VI.

4. For semesters V & VI there shall be four DSE courses (papers) for each semester

5. The DSC courses from C1 to C14 have two papers of 50 marks each with combined passing i.e. minimum 35 marks are required to pass out of 100 marks.

6. Students can exit after Level 5 with Certificate Course in Science (with the completion of courses equal to minimum allotted credits as per shivaji university guidelines)
7. Students can exit after Level 6 with Diploma in Science (with the completion of courses equal to minimum credits allotted by the Shivaji University, Kolhapur
8. Students can exit after Level 7 with Bachelor of Science (with the completion of courses equal to minimum credits allotted by the Shivaji University, Kolhapur
9. SBC: Skill Based Courses (2 credits). Students have to select one for each semester from the pool of courses available at their respective colleges or the pool of courses from Shivaji university .
10. VBC: Value Based Courses , Students have to select one for each semester from the pool of courses available at their respective colleges

13. STANDARD OF PASSING:-

As Prescribed under rules & regulation for each degree.

14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

(MODULE wise weightage of marks should also be mentioned)

Q. 1. Multiple choices questions (10-Questions) --- 10 Marks

Q.2. Attempt **any two** of the following.

(Essay type/Broad answer questions) ---- 20 Marks

Q.3. Write short notes (**any four**) --- 20 Marks

15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

(Introduced from August 2022 onwards)

Old Syllabus (Semester pattern)			**Revised Syllabus (Semester pattern)**	
Paper No.	**Title of Old Paper**	**Semester No**	**Paper No.**	**Title of New Paper**
I	Biodiversity of Microbes, Algae and Fungi	**I**	**I**	Microbes, Algae and Bio fertilizers
II	Biodiversity of Archegoniate	**I**	**II**	Cell biology and Analytical Techniques
III	Plant Ecology	**II**	**III**	Mycology, Phyto pathology and Mushroom Cultivation
IV	Plant Taxonomy	**II**	**IV**	Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)

16. SPECIAL INSTRUCTIONS, IF ANY. --- Nil

Semester- I

Botany Paper I: DSC-13 A: Microbes, Algae and Biofertilizers

CREDIT: 2. LECTURE PERIODS: 2.5 PER WEEK- LECTURE HOURS; 2 PER WEEK
MARKS: 50

MODULE	SUB-MODULE	TOPICS	LECTURE PERIOD
1	**Microbes**		
	1.1 Viruses	i) Discovery, General characteristics, ii) Structure of viruses iii) Types of viruses- DNA viruses (T- Phage), RNA viruses (TMV) iv) Economic importance	06
	1.2 Bacteria	i) Discovery, General characteristics ii) Cell structure iii) Forms of bacteria iv) Nutrition, v) Reproduction- vegetative, asexual and sexual (Conjugation) vi) Economic importance	06
2	**Algae and Biofertilizers**		
	2.1 Algae	i) General outline of plant kingdom (Cryptogams and Phanerogams), ii) General characteristics of algae Classification (as per G. M. Smith, 1955) up to classes iii) Economic importance iv) Life cycle (excluding developmental stages of sex organs) of the following types- **a) Cyanophyceae**: *Nostoc* **b) Chlorophyceae**: *Spirogyra*	09
	2.2 Biofertilizers	i) Introduction, Microbes used as Biofertilizers, ii) Study of following Biofertilizers with respect to characters, association and uses of **a)Bacteria:***Rhizobium* **b) Blue-green algae:** *Nostoc* **c) Fungi:** *Trichoderma* **c) Pteridophytes:** *Azolla* iii) Procedure for preparation of Biofertilizers- Bacteria and Blue green algae	09
Total Lectures			**30**

SEMESTER –I

Botany Paper II: DSC-14 A: Cell biology and Analytical techniques

CREDIT: 2. LECTURE PERIODS: 2.5 PER WEEK- LECTURE HOURS; 2 PER WEEK
MARKS: 50

MODULE	SUB-MODULE	TOPICS	LECTURE PERIOD
1.	**Cell biology**		
	1.1 Cell as a structural and functional unit of life	i) Introduction, Definition ii) Cell as biochemical entity iii)Structure and difference between Prokaryotic and Eukaryotic cell iv) Plant cell wall- structure and functions	**04**
	1.2 Cell organelles and cell membrane	**i)** Ultrastructure and functions of a) Chloroplasts b) Mitochondria c) Ribosomes d) Endoplasmic reticulum e) Lysosomes f) Peroxisomes **ii) Cell membrane**- Structure, Fluid Mosaic model, role of cell membrane	**09**
	1.3 Cell division	i) Cell cycle and its importants. ii) **Mitosis**- Introduction, definition, stages and Significance iii) **Meiosis**- Introduction, definition, stages and Significance	**07**
2.	**Analytical techniques**		
	2.1 Microscopy	i) Principles of microscopy ii) Light microscopy iii) Fluorescence microscopy iv) Electron microscopy (SEM)	**05**
	2.2 Chromatography	i) Principles and applications of chromatography ii) Paper Chromatography- Ascending iii) Thin Layer Chromatography.(TLC)	**05**
Total Lectures			**30**

SEMESTER –II

Botany Paper III: DSC-13B: Mycology, Phytopathology and Mushroom cultivation

CREDIT: 2. LECTURE PERIODS: 2.5 PER WEEK- LECTURE HOURS; 2 PER WEEK
MARKS: 50

MODULE	SUB-MODULE	TOPICS	LECTURE PERIOD
1.	**Mycology**		
	1.1 Fungi – A)	i) General characters of fungi ii) Classification as per Ainsworth (1973) - upto class iii) Economic importance	**06**
	B)	Life cycle (excluding developmental stages of sex organs) of the following types- **a) Zygomycotina: *Mucor*** **b) Ascomycotina: *Penicillium***	**07**
	1.2 Lichens	i) Occurrence and General characters ii) Nature of association iii) Types of lichens iv) Economic importance	**04**
2	**Phytopathology and Mushroom cultivation**		
	2.1 Phytopathology	i) Introduction and General symptoms. ii) Study of following plant diseases with respect to symptoms and control measures- **a) Viral** – Yellow vein mosaic of Bhendi **b) Bacterial** – Blight of Pomegranate **c) Fungal** – White rust of crucifers **d) Mycoplasma (MLO)-** Grassy shoot of sugarcane	**06**
	2.2 Mushroom cultivation	i) Introduction and History ii) Steps in cultivation of *Pleurotus sajor-kaju* iii) Commercial importance.	**07**
Total Lectures			**30**

SEMESTER –II

Botany Paper IV: DSC-14B: Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)

CREDIT: 2. LECTURE PERIODS: 2.5 PER WEEK- LECTURE HOURS; 2 PER WEEK
MARKS: 50

MODULE	SUB-MODULE	TOPICS	LECTURE PERIOD
1.	**Archegoniate and Bryophytes**		
	1.1 Archegoniate	i) Introduction, ii) Diagnostic features of archegoniate iii) Transition to land habit iv) Alternation of generation	**04**
	1.2 Bryophytes	i) General characters ii) Classification as per G.M. Smith (1955) upto classes iii) Ecological & Economic importance. iv) Morphology, Anatomyand life cycle (excluding developmental stages of sex organs) of **Anthocerotopsida**- *Anthoceros*	**08**
2	**Pteridophytes and Gymnosperms**		
	2.1 Pteridophytes	i) General characters ii) Classification as per G.M. Smith (1955) upto classes iii) Ecological and Economic importance iv) Morphology, anatomy (leaf and stem) and life cycle (excluding developmental stages of sex organs of a) **Lycophyta** – *Selaginella* b) Heterospory& Seed habitat	**08**
	2.2 Gymnosperms	i) General characters ii) Classification as per Sporne (1965) upto classes iii) Ecological and Economic importance. iv) Morphology, Anatomy(leaf and stem) and life cycle (excluding developmental stages of sex organs) of **Gnetopsida** – *Gnetum* v) Connecting link between Pteridophytes and Angiosperms	**10**
Total Lectures			**30**

Practical's of B. Sc. Part – I Botany (CBCS)

(With effect from August- 2022)

Botanical Excursion:

One teacher along with a batch not more than 20 students be taken for Botanical. Excursion to places of Botanical interest, one in each semester. If there are female students in a batch of twenty students, one additional lady teacher is permissible for excursion. T.A. and D.A. for teacher and non-teaching staff participating in excursions should be paid by the concern colleges as per University rules. Tour report duly certified by teacher concerned and Head of the Department should be submitted at the time of practical examination.

Practical Course:

B. Sc. Part – I Botany practical course is to be covered in twenty five practicals. These practicals are to be performed by the students. Each practical is to be supplemented by permanent slides, preserved / fresh specimens, materials, charts, herbarium sheets where ever necessary.

Details of Practical Examination:

A) Practical Examination for B. Sc. I. will be conducted at the end of second semester.

B) Every candidate must produce a certificate from Head of Department of his / her college, saying that he / she has completed practical course in satisfactory manner as per terms laid down by Academic council on the recommendations of Board of Studies in Botany. The student should record his / her observation and report of each experiment in the journal. The journal is to be signed periodically by teacher in charge and certified by the Head of Department at the end of year. Candidates have to produce their certified journal and tour report at the time of practical examination. Candidate is not allowed to appear for the practical

examination without a certified journal / a certificate from Head of Botany Department regarding the same.

C) Practical Examination should be of five hours duration and shall test a candidate in the following respect.

1. Practical study of external and internal structures of different plant types and their classification.
2. Making temporary stained preparations and identification.
3. Identification and setting of biochemical experiments.
4. Study of plant diseases as per syllabus.
5. Spotting of the specimens as per syllabus.

List of Practicals:

1. Study of microscope: Light and Electron microscope (SEM with Photograph)
2. Electron microphotographs/models of viruses – T-Phage and TMV
3. Forms of bacteria- (Temporary / permanent slides/ photographs).
4. Bacteria- Gram staining technique
5. Study of vegetative and reproductive structures of *Nostoc*
6. Study of vegetative and reproductive structures of *Spirogyra*
7. Study of different types of Biofertilizers as per theory syllabus
8. Study of vegetative and reproductive structures of *Mucor.*
9. Study of vegetative and reproductive structures of *Penicillium*.
10. Study of forms of lichen- Crustose, Foliose and Fruticose.
11. Study of Mushroom cultivation (Demonstration).
12.13. Study of plant diseases per theory.
14. Study of vegetative and reproductive structures of *Anthoceros*
15. Study of vegetative and reproductive structures of *Selaginella*
16. Study of vegetative and reproductive structures of *Gnetum*
17. Study of cell and its organelles with the help of electron microphotographs.
18. Study of cell structure in Onion peels (cataphyll), it's staining and mounting.
19. Study of effect of organic solvent concentrations on membrane permeability.
20 .Study of peroxisome (enzyme activity catalase)
21. Study of glyoxisome (enzyme activity-malate dehydrogenase)
22. Study of different stages of mitosis.
23. Study of different stages of meiosis.
24. Separation of photosynthetic pigments by ascending paper chromatography.
25. Separation of amino acids by thin layer chromatography.

Course Outcomes

CO1. Students will able to recognize the structure , types and multiplication of viruses.

CO2. Students will able to understand the bacterial types, structure and mode reproduction

CO3. Students will able to identify the different types of algae and their importance in day today life.

CO4. Students will able develop the skills for the production of different type of Bio fertilizers ,

CO5. Students will able to distinguish the prokaryotic and eukaryotic organisms and acquire the knowledge of different plant cell organelles and its role in the plant body.

CO6. Students will able to understand the different types of cell division and it's phases.

CO7. Students will able to handle all types of microscope.

CO8. Students will able to develop a skill in the chromatography techniques.

CO9. Students will able to identify and classify the different fungi and also realize the economic importance of fungi.

CO10. Students will able to identify the lichens on the basis of morphology and to know the medicinal value of the lichens.

CO11. Students will be able to recognize the different plant diseases and their management.

CO12. Students will able to develops the soft skill technique in the Mushroom Cultivation and realize the commercial status of the mushrooms.

CO13. Students will able to identify the bryophytes their importance.

CO14. Students will able to recognize the characters and ecological importance of pteridophytes.

CO15. Students will be able to identify, classify the gymnosperms and understand the Economic importance of gymnosperms.

(iii) Specific Objectives:----------

(iv) A brief note :- (On expected level of study from examination and assessment point of view):- -----

(v) Recommended Reading:
(In MLA/APA Style Sheet Format)

a) Basic Reading :-

b) Additional Reading :-

c) References :-

d) Books

List of Books Recommended for B. Sc. I Botany

Algae –

1.Introductory Phycology. Kumar, H. D. 1988, Affiliated East-West Press Ltd., New York.
2. Algae - Kumar H. D. and H. N. Singh (1991)
3. Algae - Sharma O. P. (1986)
4. Algae - Pandey B. P. (1994)
5. A Text book of Algae - Chopra G. L. (1969)
6. A Text book of Algae - Kumar H. D., Singh H. N. (1977)
7. A Text book of Botany - V. Singh, P. C. Pandey, Jain D. K. (1999)
8. A Text book of Botany Vol. I – Pandey S. N., S. P. Misra, P. S. Trivedi (1.982)
9. A Treatise on Algae - K. N. Bhatia (1980)

Fungi –

1. A Hand book of Lichens - D. D. Awasthi (2000)
2. An Introduction to Fungi - Dube H. C. (1990)
3. Morphology of Plants and Fungi --Blod, H.C., Aloxopoulos, G. J. and Delevoryas, T. 1980. (4th Edition) Harper and Foul Co., New York.
4. An Introduction to Fungi.--Dube, H. C. 1990. Vikas Publishing House Pvt. Ltd.,Delhi.
5. Cryptogamic Botany Vol. I & II (2nd Edition), Gilbert, M. S. 1985. Tata McgrawHill Publishing Co., Ltd New Delhi.
6. Fungi- Vashishtha B. R. (1996)
7. Fungi- Pandey B. P. (1994)
8. Introduction to Fungi - Sundrarajan (2001)

9. Introductory Mycology - C. J. Alexopoulos, C. W. Mims, M. Blackwell
10. Cryptogamic Botany Vol. I - Algae and Fungi - G. M. Smith (1974)
11. Plant diseases –Singh R. S. (1963).
12. Manual of plant pathology –Padoley S. K. & Mistry P. B.
13. Hand book of field crop diseases- Ny. Vall (1979).
14. Experiments in Microbiology, Plant pathology and Tissue culture- Aneja K. R. (1993).
15. Plant pathology- R. S. Mehrotra, (1980) Dean, Faculty of science, Kurkshetra University, Kurukshetra.
16. Plant Diseases- F.T. Brooks, periodical Expert book Agency, D-42, VivekVihar, Delhi 1100032.
17. Plant diseases –RajaniShrma, Campus books international, 4831/24 Prahlad Street, An sari Road, Daryaganj, New Dehli-110002.
18. Diseases of crop plant in India –Dr. Rangaswami.
19. Plant diseases –R.S. Singh
20. Modern plant pathology – R. S. Bilgrami and H. C. Dube.

Bryophytes –

1. Bryophytes. Puri, P. 1985. Amarm& Sons, Delhi.
2. College Botany - S. Sundararajan (1999)
3. College Botany Vol. I - Gangulee H. C., Das K. S. and Datta C. T. (1991)
4. College Botany Vol. II - Gangulee H. C., Kar A. K. (1999)
5. College Botany Vol. III -- S. K. Mukharji (1990)
6. Cryptogamic Botany Vol. I- G. M. Smith (1955)
7. Cryptogamic Botany: Bryophytes and Pteridophytes - Smith G. C. (1955)

Pteridophytes—

1. An Introduction to Pteridophytes - Rashid A. (1978)
2. An Introduction to Pteridophyta (Diversity and Differentiation) -A. Rashid (1976)
3. A Text book of Pteridophyte – S. N. Pandey, P. S. Trivedi, S. P. Misra (1995)
4. An Introduction to Embryophyta - Parihar N. S. (1961)
5. Morphology and Evolution of Vascular Plants Gifford, E. M. and Foster, A. S. 1989. W.H. Freeman & Co., New York.
6. Morphology of vascular Plant (lower groups) -- A. J. Eames.
7. Illustrated Manual of Ferns of Assam -S. K. Borthakur, P. Deka, K. K. Nath (2000)
8. Pteridophyta – Vascular Cryptogams - P. C. Vashishta (1972)
9. Botany for Degree Students- Pteridophyta (Vascular Cryptogams) - P. C. Vashishta, A. K. Sinha, Anil Kumar – S Chad –Multicolour Illustrative Revised Edition- 2006.

Gymnosperms –

1.Botany for Degree Students- Gymnosperms (Vascular Cryptogams) - P. C. Vashishta, A. K. Sinha, Anil Kumar – S Chad –Multicolour Illustrative Revised Edition- 2006.
2. The Morophology of Gymmosperms. -- Sporne, K. R. 1991. B. I. PublicationsPvt., Bombay, Calcutta, Delhi.
3. Morphology of Gymnosperms -- J. M. Coulter and C. J. Chamberlain.
4. Gymnosperms – Structure & Evolution.--C. J. Chamberlain
5. Morphology of Gymnosperms.--K. R. Sporne.

6. Gymnosperms- Vashishta P. C. (1976)
7. Gymnosperms- C. J. Chamberlein (1966)
8. Indian Gymnosperms in Time and Space - Ramanujan C. G. K. (1979)
9. Origin and Evolution of Gymnosperms - Ed Charles B. Beck (2002)
10. Phylogeny and form in the plant Kingdom - H. C. Dittmer (1964)

Cytology, Microbiology and Analytical Techniques-

1. Plant Cell Biology –Structure and function-Gunning B.E.S and Steer M.W. (1996).
2. Plant Cell Biology-A practical approach.-Harris N. and Oparka K. J. (1994). (IRL-Press of oxford University UK.).
3. Cell Biology- De. Robert et.al. (1982), (Publ. Sundar and Company).
4. Cell Biology –C. B. Powar (1992), Himalaya Publ. House, Delhi.
5. Plant Biochemistry-Cell-Sumps P.K. and Connie's. (1981).
6. Molecular Cell Biology-Albert's B. Bray D. Lewis J. Faff M. Robert K. & Watson J.D. (1999). (Publ. Garlands publishing co-In, New York U.S.A.)
7. Text Book of cell and molecular biology –Gupta P.K. (1999), Rastogi publication, Meerat.
8. Molecular and Cellular Biology-Wolfe S.L. (1993), Wadsworth publishing Company, California, U.S.A.
9. Applied Microbiology- Vinita Kale and Kishore Bhusari (2007) Himalaya Publishing House, Mumbai.
10. Virology- Saravanan P. MJP, Publishers, Chennai. 600005.
11. Chromatographic Methods- Stock, R. and C. B. F. Rince (1978).
12. Biological Techniques- Srivastava, H. S. (1999).

C] OTHER FEATURES:

1. INTAKE CAPACITY / NUMBER OF STUDENTS:-

As per university rules.

2. TEACHERS QUALIFICATIONS:-

- As prescribed by norms.
- However required number of core faculty should be given for particular course along with paper wise and Specialization wise work load allocation.
- Work load details should be as per Apex body/UGC/State Govt./University norms.

3. **The Board of studies should clearly mention the required Books, Journals and specific Equipments necessary for the Course.**

(A) LIBRARY: Library be equipped with the required Reference and Text Books, Journals and Periodicals for higher and advanced studies as per stated in revised syllabus and approved by BOS.

(B) SPECIFIC EQUIPMENTS:

T.V., V.C.R. V.C.P., L.C.D., Overhead Projector, Computers and necessary software and operating systems etc. are necessary to run the course

(C) LABORATORY SAFETY EQUIPMENTS:

i)Fire extinguishers at least two sets in each laboratory of 600 sq.ft. Area.

ii) Leakage of gases be avoided.

iii) First aid kit be made available.

iv) Sugar / Glucose –500gm pack- a pinch of sugar and a cup of drinking water in hypoglycemic condition or in extreme weakness of student or a person concerned

B) GENERAL SAFETY RULES FOR LABORATORY WORK

1) List of equipments needed for Laboratory Safety:-

1. Fire extinguisher
2. First Aid Kit
3. Good ear thing and insulated wirings for electrical supply.
4. Emergency exit
5. Apron and goggles wherever necessary
6. Fuming Chambers
7. Masks flows and shoes while handling hazardous chemicals & gases (Good valves, manometers and regulators for gas supply)
8. Operational manuals for instruments (handling to be made as suggested.)
9. Rules of animals and blanks ethics.
10. Leakage of gases to be avoided.
11. Cylinders or flow pipes to handle Acids.
12. No weighing for NaOH and hygroscopic substances.
13. Stabilized supply in the laboratory.

2) There Is No Substitute for Safety

1. Any injury no matter how small, it must be reported to teacher immediately.
2. a) In case any chemical enters your eyes go immediately to eye- wash facility and flush your eyes and face with large amount of water.

   b) For acid or phenol split, do not use water instead put some bicarbonate.
3. In case of fire, immediately switch of all gas connections in the laboratory and pour sand on the source of fire or cover it with asbestos or cement sheet.
4. While leaving laboratory, make sure that gas, water taps and electricity are switched off.
5. Remove your lab coat. Gloves and clean your hands before leaving laboratory.

6. Make your workplace clean before leaving the laboratory.
7. Keep your hands away from your face, while working in laboratory.
8. Each laboratory must have a first aid box.
9. Know what to do in case of emergency - e.g.

   (a) Know the place of fire extinguisher and first aid box.
10. Don't use cell phones in the laboratory.

    (a) Remember important phone numbers

3) DO's

1. Always wear lab coat, shoes in the laboratory. Every student must have their weight box, a napkin etc.
2. Maintain separate record book for each subject.
3. Keep your belongings at the place allotted for the same.
4. Maintain silence, order, cleanliness and discipline in the laboratory.
5. Work at the place allotted to you or specially used for certain operations.
6. Keep the working table clean.
7. Handle the laboratory equipments, glassware and chemical with great care.
8. Use only required quantities of material and apparatus of essential size.
9. Perform the test in their proper order.
10. Know the location of eye wash fountain and water shower.
11. Minimize your exposure to organic solvents.
12. The Metal like sodium should be kept under kerosene or liquid paraffin layer in a vessel with a cork stopper.
13. Sodium metal should be cut on dry filter paper. The cut off pieces of sodium should be immediately collected in a vessel containing kerosene or liquid paraffin.
14. Always pour acid into water when diluting and stir slightly.
15. All operations involving poisonous flammable gases and vapours should be carried out in the flame chamber (with exhaust facility)
16. Ladies should avoid wearing saree. If it is there, apron is essential.

4) DON'T

1. Don't work alone in the laboratory
2. Don't leave the glass wares unwashed.
3. Don't take apparatus, chemicals out of lab.

4. Don’t leave any substance in a vessel or bottle without label.
5. Don’t weigh the reagent directly on the balance pan.
6. Don’t throw the cut off pieces of sodium metal in sink or water. Transfer it immediately in its container.
7. Don’t take sodium metal with hands. Use forceps.
8. Don’t panic and run in case of fire. Use the fire extinguishers or sand buckets.
9. Don’t breathe the vapours of organic solvents.
10. Don’t pour any unused reagent back in its stock bottle.
11. Don’t eat or drink any food in laboratory.
12. Don’t use inflammable solvents like benzene, ether, chloroform, acetone and alcohol around flame.
13. Don’t distill to dryness.
14. Don’t exchange stoppers of flasks and bottles containing different reagents.
15. Don’t leave reagent bottle lying on the table.
16. Don’t disturb the order of reagent bottles in which they are placed.
17. Don’t bring reagent on your working table from the general shelf.
18. Don’t throw burning matchstick into dustbin.
19. Don’t leave the laboratory without permission.

5) LABORATORY / FIELD WORK CARE AND SAFTY FOR BOTANY STUDENTS

1. Unnecessary wastage of plant material during practicals should be avoided.
2. During study tour / personal collection, more emphasis be given on study of plants in nature and collection of wild plants should not be carried out.
3. If at all the collection of the plant material in needed, it should be carried out under supervision of concerned teacher. Collection of poisonous plants / poisonous mushrooms should be avoided.
4. Oral intake of unknown plant material, out of curiosity, during practical or collection tour is strictly prohibited.
5. If there is any allergic reaction while handling the plants / plant parts / pollen grains / fungal specimens it should be immediately brought to the notice of the concerned teacher and reported to the registered medical purloiner.
6. Wearing of hand gloves (and mask) is essential while handling poisonous plants / herbarium sheets / toxic and hazardous chemicals / reagents / strong acids / strong alkalis

during the experiment should be made with vacuum pipette / auto pipette / burette under the supervision of concerned teacher / lab assistant.

7. Highly inflammable organic solvents (alcohol, acetone etc.) should not be kept in vicinity of spirit lamp.
8. The laboratory safety measures adopted for handling of hazardous chemicals in chemistry practicals should be followed for conducting practicals in plant biochemistry / microbiology.
9. Operational manuals for equipments such or centrifuge, autoclave, spectrophotometer should be followed.
10. In case of minor injuries, preliminary treatment should be undertaken with the help of first aid kit available in the laboratory. In case of serious injury, concerned teacher should be immediately contacted for consultation to the physician.
11. The instruction report for breeding, experimentation will be submitted in a week period. (Which are laid down by Ministry of Social Justice & Empowerment and Ministry of Environment and Forests, Govt. of India).

PROGRAM SPECIFIC OUTCOMES (PSO) OF BOTANY:

In life science plant science is one of the most important basic and applied subject. Plants synthesized their own food material and provides the food and oxygen to all living organism. Most of the basic requirements fulfilled by the plants. This course has been designed to give the fruitful knowledge and to develop the commercial soft skills in the various aspects of plant science.

PSO 1: Understanding the classification of all higher and lower plants. Plant diseases and their management.

PSO 2: Understand the structure and function of different cell organelles and the role of cell membrane, plant anatomy, taxonomy and ecology.

PSO 3: Understand the skills for the production of Bio fertilizers and mushroom culture techniques.

List of Skill Enhancement courses.

- Soil and Water Analysis
- Handicrafts: Bamboo products
- Nature and wildlife photography.
- Bioprospecting of medicinal plants
- Aurvedic preparations
- Gardening and it's management.

Link for the pool of SEC courses from

National Skills Qualification Framework (NSQF)

(You may add or delete any courses as per available facilities)

https://drive.google.com/file/d/176Vwvx4SC2ONrt69XADruzI2qnfBPI_o/view?usp=sharing

SHIVAJI UNIVERSITY, KOLHAPUR.

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Accredited By NAAC with 'A++' Grade

CHOICE BASED CREDIT SYSTEM

Syllabus For

B.Sc. Part – I

Statistics

SEMESTER I AND II

(Syllabus to be implemented from June, 2022 onwards.)

B. Sc. Part – I Semester – I

DSC –7A – STATISTICS – I

(DESCRIPTIVE STATISTICS – I)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i. meaning and scope of Statistics, various statistical organizations,
ii. data and types of data, various data presenting methods,
iii. population, sample and various methods of sampling,
iv. various measures of central tendencies and dispersion,
v. moments, skewness and kurtosis.

CONTENTS:

Unit - 1 **(15 hrs.)**

1.1 Introduction to Statistics: Meaning of Statistics as a Science, Importance of Statistics, Definition of Statistics, Various fields where Statistics is used, Names of various statistical organizations in India.

1.2 Population and Sample: Statistical population. Finite population, Infinite population, Census method, Sampling method, Advantages of sampling method over census method.
Methods of sampling (Description only): Sample and Random sample, Simple random sampling with and without replacement (SRSWR and SRSWOR), Stratified random sampling, Systematic sampling.

1.3 Nature of Data: Primary and Secondary data, Time series data, Quantitative and Qualitative data, Attributes, Variables, Discrete and Continuous variables, Scales of measurement - Nominal, Ordinal, Interval and Ratio scale, illustrative examples.

1.4 Presentation of Data:

Classification: Raw data and its classification, Discrete frequency distribution, Continuous frequency distribution, Cumulative frequency distribution, Inclusive and Exclusive methods of classification, Open end classes, Relative frequency distribution, illustrative examples.

Tabulation: Parts of table, Characteristics of good table, Types of table, illustrative examples.

Diagrammatic Presentation: Introduction to Simple Bar Diagram, Multiple Bar Diagram, Sub-Divided Bar Diagram, Pie Diagram.

Graphical Presentation: Histogram, Frequency Polygon, Frequency Curve, Ogive curves and Box plot.

Unit - 2 **(15 hrs.)**

2.1 Measures of Central Tendency: Mathematical and positional, Concept of central tendency of statistical data, statistical average, requirements of good statistical average.
Arithmetic Mean (A.M.): Definition, Effect of change of origin and scale, Deviation of observations from A.M., Mean of pooled data, Weighted A.M.

Geometric Mean (G.M): Definition, illustrative examples.

Harmonic Mean (H.M.): Definition, Relation: A.M $\geq$ G.M $\geq$ H.M (proof for n = 2 positive observations), illustrative examples.

Median: Definition, Derivation of formula for grouped frequency distribution.

Mode: Definition, Derivation of formula for grouped frequency distribution. Empirical relation between mean, median and mode. Graphical method of determination of Median and Mode.

Partition values: Quartiles, Deciles and Percentiles.

Comparison between averages in accordance with requirements of good average. Situations where one kind of average is preferable to others, illustrative examples.

2.2 Measures of Dispersion: Concept of dispersion, Absolute and Relative measures of dispersion, Requirements of a good measure of dispersion.

Range: Definition, Coefficient of range.

Quartile Deviation (Q. D. or Semi-inter quartile range): Definition, Coefficient of Q.D.,

Mean Deviation (M.D.): Definition, Coefficient of M.D., Minimal property of M.D.,

Mean Square Deviation (M.S.D.): Definition, Minimal property of M.S.D.,

Variance and Standard Deviation (S.D.): Definition, Effect of change of origin and scale, variance and S.D. of pooled data (proof for two groups).

Coefficient of Variation: Definition and use. Illustrative examples.

2.3 Moments, Skewness and Kurtosis: Moments: Raw moments and central moments for ungrouped and grouped data. Effect of change of origin and scale on central moments, relation between central moments and raw moments (up to 4th order). Sheppard's corrections.

Skewness: Concept of skewness of a frequency distribution, types of skewness. Bowley's coefficient of skewness, Karl Pearson's coefficient of skewness, measure of skewness based on moments.

Kurtosis: Concept of kurtosis of a frequency distribution, Types of kurtosis, Measure of kurtosis based on moments. Illustrative examples.

Books Recommended:

1. Bhat B. R., Srivenkatramana T. and Madhava Rao K. S. (1996): Statistics: A Beginner's Text, Vol. 1, New Age International (P) Ltd.
2. Croxton F. E., Cowden D.J. and Kelin S. (1973): Applied General Statistics, Prentice Hall of India.
3. Goon A.M., Gupta M.K., and Dasgupta B.: Fundamentals of Statistics Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand and Sons, New Delhi.
5. Gupta V.K. & Kapoor S.C.: Fundamentals of Mathematical Statistics.- Sultan & Chand.
6. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
7. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
8. Kore B. G. and Dixit P. G.: "Descriptive statistics-I", Nirali Prakashan, Pune.

9. Mood A. M., Graybill F. A. and Boes D. C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
10. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Lowa State University Press.
11. Waiker and Lev.: Elementary Statistical Methods.

Note: 1. In theory examination, the weightage to numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – I

DSC –8A – STATISTICS – II

(ELEMENTARY PROBABILITY THEORY)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course outcomes: Students will be able to;

i. distinguish between random and non-random experiments
ii. acquire knowledge of concepts of probability
iii. use the basic probability rules, including additive and multiplicative laws
iv. understand concept of conditional probability and independence of events.
v. understand concept of univariate random variable and its probability distributions
vi. acquire knowledge of mathematical expectation of univariate random variable.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Sample space and events: Concepts of experiments and random experiments. Definitions: Sample space, Discrete sample space (finite and countably infinite), Event, Elementary event, Compound event. Algebra of events (Union, Intersection, Complementation). Definitions of mutually exclusive events, Exhaustive events, Impossible events, Certain event. Power set |P(Ω) (sample space consisting at most 3 sample points). Symbolic representation of given events and description of events in symbolic form. Illustrative examples.

1.2 Probability: Equally likely outcomes (events), apriori (classical) definition of probability of an event. Equiprobable sample space, simple examples of computation of probability of the events based on permutations and combinations. Definition of probability in terms of odd ratio with illustrative examples. Axiomatic definition of probability. Proof of the results: i) $P(\Phi) = 0$, ii) $P(A^C) = 1 - P(A)$, iii) $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (with proof) and its generalization (Statement only), iv) If $A \subseteq B$, $P(A) \leq P(B)$, v) $0 \leq P(A \cap B) \leq P(A) \leq P(A \cup B) \leq P(A) + P(B)$.

Unit – 2 **(15 hrs.)**

2.1 Conditional Probability and Independence of events: Definition of conditional probability of an event. Multiplication theorem for two events. Examples on conditional probability. Concept of independence of two events. Proof of the result that if A and B are

independent then, i) A and B^C are independent, ii) A^C and B are independent, iii) A^C and B^C are independent. Pairwise and Mutual independence for three events. Elementary examples.

Partition of sample space. Idea of posteriori probability, statement and proof of Baye's theorem, illustrative examples on Baye's theorem.

2.2 Univariate Probability Distributions (finite sample space): Definition of discrete random variable. Probability mass function (p.m.f.) and cumulative distribution function (c.d.f.) of a discrete random variable, Properties of c.d.f. (statements only). Probability distribution of function of random variable. Median and mode of a univariate discrete probability distribution. Examples.

2.3 Mathematical expectation (Univariate random variable): Definition of expectation of a random variable. Expectation of a function of a random variable, Results on expectation of a functions of a random variable: i) E (c) = c, where c is a constant, ii) E(aX + b) = aE(X) + b, where a and b are constants, definitions of mean, variance of univariate distribution, $V(aX + b) = a^2V(X)$, definition of raw, central moments, definition of probability generating function (p.g.f.) of a random variable, obtaining mean and variance by using p.g.f. Effect of change of origin and scale on p.g.f.

Books Recommended

1. Bhat B. R., Srivenkatramana T. and Madhava Rao K. S. (1996): Statistics: A Beginner's Text, Vol. 1, New Age International (P) Ltd.
2. Edward P. J., Ford J. S. and Lin (1974): Probability for Statistical Decision-Making, Prentice Hall.
3. Goon A.M., Gupta M.K., and Dasgupta B.: Fundamentals of Statistics Vol. I and II, World Press, Calcutta.
4. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics.- Sultan & Chand.
5. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
6. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
7. Kore B. G. and Dixit P. G.: "Elementary Probability Theory", Nirali Prakashan, Pune.
8. Meyer P.L. (1970): Introductory Probability and Statistical Applications, Addision Wesley.
9. Mukhopadhyay P. (2006): Probability. Books and Allied (P) Ltd.
10. Rohatgi V. K. and Saleh A. K. Md. E. (2002): An Introduction to probability and statistics. John wiley & Sons (Asia).
11. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Lowa State University Press.

Note:

1. In theory examination, the weightage to the numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – II

DSC –7B – STATISTICS – III

(DESCRIPTIVE STATISTICS – II)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcomes: Students will acquire knowledge of;

i. correlation coefficient and interpret its value.
ii. regression coefficients, interpret its value and use in regression analysis.
iii. qualitative data including concept of independence and association between two attributes
iv. vital statistics and concept of mortality and fertility and growth rates.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Correlation: Bivariate data, Need of analysis of bivariate data, Concept of correlation between two variables, Types of correlation.

Methods of studying correlation: 1) Scatter diagram, its utility, Covariance: Definition, Effect of change of origin and scale, 2) Karl Pearson's coefficient of correlation (r): Definition, Computation for ungrouped and grouped data. Properties: i) $-1 \leq r \leq 1$, Interpretation for different values of r, ii) Effect of change of origin and scale, 3) Spearman's rank correlation coefficient: Definition, Computation (with and without ties). Derivation of the formula for without ties and modification of the formula for with ties. Illustrative examples.

1.2 Regression: Concept of regression, Lines of regression of Y on X (Y=a + bX + ε) and X on Y, fitting of lines of regression by the least square method, Regression coefficients b_{xy}, b_{yx} and their geometric interpretations

Properties: i) $b_{xy} \times b_{yx} = r^2$, ii) $b_{xy} \times b_{yx} \leq 1$, iii) $\frac{b_{xy} \times b_{yx}}{2} \geq r$, iv) Effect of change of origin and scale on regression coefficients, The point of intersection of two regression lines, Derivation of acute angle between the two lines of regression, Concept of residual, Mean residual sum of squares, Residual Plot (Residual versus fitted value) and its interpretation, Explained and unexplained variation, coefficient of determination, Illustrative examples.

Unit – 2 **(15 hrs.)**

2.1 Attributes: Introduction and Notations of Attribute, Dichotomy, class, order of class, positive and negative class, class frequency, ultimate class frequency, fundamental set of class frequency, relationships among different class frequencies (up to three attributes), Concept of consistency, Concept of independence and association of two attributes, Yule's coefficient of association (Q): Definition, $-1 \leq Q \leq +1$, interpretation, Coefficient of colligation (Y): Definition, interpretation, Relation between $Q$and Y: 1) $Q = \frac{2Y}{1+Y^2}$, 2) $|Q| \geq |Y|$, Correlation Coefficients: 1) Point Biserial Correlation Coefficient, 2) Phi Coefficient, 3) Tetrachoric Correlation Coefficient, Illustrative examples.

2.2 Demography: Introduction, vital events and need of vital statistics, Measures of fertility: Crude Birth Rate (CBR), Age Specific Fertility Rate (ASFR), General Fertility Rate

(GFR), Total Fertility Rate (TFR), Measures of reproduction: Gross Reproduction rate (GRR), Net Reproduction Rate (NRR), Measures of mortality: Crude death rate (CDR), Specific Death Rate (SDR) by i) Direct method ii) Indirect method, Standardized Death Rate (STDR), Population projection at time t, Life Table - construction and its applications in insurance, Use and Applications

Books Recommended:

1. Bhat B. R., Srivenkatramana T and Madhava Rao K. S. (1997): Statistics: a Beginner's Text, Vol. I, New Age International (P) Ltd.
2. Croxton F. E., Cowden D.J. and Kelin S. (1973): Applied General Statistics, Prentice Hall of India.
3. Goon A. M., Gupta M. K., Das Gupta B. (1999): Fundamentals of Statistics, Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand & Sons Pvt. Ltd. New Delhi.
5. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics.- Sultan Chand & Sons Pvt. Ltd. New Delhi.
6. Kapur, J. N and Gupta, H. C, : Fundamentals of Mathematical Statistics, S. Chand and sons, New Delhi.
7. Kore B. G. and Dixit P. G.: "Descriptive Statistics-II", Nirali Prakashan, Pune.
8. Srivastav D. S: A Text book of Demography
9. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Iowa State University Press.
10. Waiker and Lev.: Elementary Statistical Methods.

Note:

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2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – II

DSC –8B – STATISTICS – IV

(DISCRETE PROBABILITY DISTRIBUTIONS)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcome: Student will be able to acquire knowledge of;

i. bivariate discrete distributions, independence of bivariate r.vs., Mathematical expectation of bivariate discrete random variable.
ii. one point distribution, two point distribution, Bernoulli distribution,
iii. Uniform distribution, Binomial distribution, Hypergeometric distribution,
iv. Poisson distribution, Geometric distribution and Negative binomial distribution.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Bivariate Discrete Distribution: Definition of bivariate discrete random variable (X, Y) on finite support, Joint p.m.f., and c.d.f., Properties of c.d.f. (without proof), computation of probabilities of events in bivariate probability distribution, marginal and conditional probability distribution. Independence of two discrete r.v.s.,

1.2 Mathematical Expectation: Definition of expectation of function of r.v. in bivariate distribution. Theorems on expectations: (i) $E(X+Y) = E(X) + E(Y)$, (ii) $E(XY) = E(X)\cdot E(Y)$ when X and Y are independent. Expectation and variance of linear combination of two discrete r.v.s., Definition of conditional mean, conditional variance. Covariance and correlation coefficient. Cov (aX+bY, cX+dY). Distinction between uncorrelated and independent variables, Proof of the p.g.f. of sum of two independent r.v. as the product of their p.g.f.

Unit – 2 **(15 hrs.)**

2.1 Some Standard Discrete Probability Distributions: (finite support):

One point distribution: p.m.f., mean and variance,

Two point distribution: p.m.f., mean and variance,

Bernoulli distribution: p.m.f., p.g.f., mean, variance.

Discrete Uniform Distribution: p.m.f., mean and variance.

Binomial Distribution: Binomial random variable, p.m.f. with parameters (n, p), recurrence relation for obtaining successive probabilities, mean, and variance, skewness, p.g.f., Additive property of binomial variates, distribution of sum of independent and identically distributed Bernoulli variables.

Hyper geometric Distribution: p.m.f. with parameters (N, M, n), Computation of probability of different events, recurrence relation for successive probabilities, mean and variance of distribution assuming $n \leq N - M \leq M$, Approximation of hypergeometric to binomial distribution (Statement only).

2.2 Some Standard Discrete Probability Distributions: (Countable infinite support):

Poisson Distribution: Definition of Poisson with parameter λ, mean, variance, probability generating function (p.g.f.). Recurrence relation for obtaining successive probabilities. Additive property of Poisson distribution. Poisson distribution as a limiting case of Binomial distribution (Statement Only).

Geometric Distribution: Definition of Geometric distribution with parameter p, mean and variance, cumulative distribution function. p.g.f. Lack of memory property.

Negative Binomial Distribution: Definition of Negative binomial distribution with parameters (k, p). Geometric distribution is a particular case of Negative binomial distribution, mean, variance, p.g.f., Recurrence relation for obtaining successive probabilities.

Books Recommended:

1. Bhat B. R., Srivenkatramana T and Madhava Rao K. S. (1997): Statistics: a Beginner's Text,Vol. II, New Age International (P) Ltd.
2. Edward P. J., Ford J. S. and Lin (1974): Probability for Statistical Decision-Making, Prentice Hall.

3. Goon A. M., Gupta M. K., Das Gupta B. (1999): Fundamentals of Statistics, Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand and Sons, New Delhi.
5. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics, Sultan & Chand
6. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
7. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
8. Kapur J. N. and Gupta H. C. : Fundamentals of Mathematical Statistics, S. Chand and sons, New Delhi.
9. Kore B. G. and Dixit P. G.: Discrete Probability Distributions, Nirali Prakashan, Pune.
10. Meyer P. L. (1970): Introductory Probability and Statistical Applications, Addision Wesley.
11. Mood A. M., Graybill F. A. and Boes D. C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
12. Mukhopadhyay P. (2006): Probability. Books and Allied (P) Ltd
13. Rohatgi V. K. and Saleh A. K. Md. E. (2002): An Introduction to probability and statistics. John wiley & Sons (Asia)

Note: 1. In theory examination, the weight age to the numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

Practical Paper-I (Credit 2+2)

Pre requisites: Knowledge of the topics in the theory papers.

Course Outcomes: Students will able to;

i. acquire knowledge of computations using MS-Excel.
ii. represent statistical data diagrammatically and graphically.
iii. compute various measures of central tendency, dispersion, moments, skewness and kurtosis.
iv. compute correlation coefficient, regression coefficients.
v. understand consistency, association and independence of attributes.
vi. interpret summary Statistics of computer output.
vii. know applications of some standard discrete probability distributions.
viii. compute the various fertility rates, mortality rates and growth rates.

List of Practicals:

1. Data handling using MS-Excel
2. Computations using MS-Excel
3. Diagrammatic and Graphical presentation.
4. Measures of central tendency
5. Measures of the dispersion
6. Moments, skewness and kurtosis.
7. Use of random numbers to draw SRSWOR, SRSWR, Stratified and Systematic sample.
8. Computation of probabilities using Baye's theorem.

9. Correlation coefficient, and regression (ungrouped data)
10. Correlation coefficient and regression (grouped data)
11. Spearman's rank correlation coefficient
12. Attributes (Missing frequencies, consistency, association and independence).
13. Demography (Computations of Fertility rates, Mortality rates and Growth rates)
14. Applications of Uniform, Binomial and Hypergeometric distribution.
15. Applications of Poisson, Geometric and Negative Binomial distribution.
16. Bivariate Discrete distribution I. (Marginal and conditional distribution, computation of probabilities of events).
17. Bivariate Discrete distribution II (Expectation /conditional expectation / variance / conditional variance /covariance / correlation coefficient)
18. Case study equivalent to 3 practicals.

Notes:

a. Students must complete all experiments using MS-EXCEL.
b. Case study - Different data sets from newspapers, internet, magazines may be collected and students will be asked to use statistical techniques/tools which they have learnt.
c. MS-EXCEL should be used at the time of practical examination for calculation.
d. Student must complete the entire practical to the satisfaction of the teacher concerned.
e. Student must produce laboratory journal along with completion certificate signed by Head of the Department, at the time of practical examination.

Laboratory Requirements:

Laboratory should be well equipped with at least 20 computers along with necessary Software's, at least two printers, sufficient back up facility (UPS/ Inverter/ Generator).

Nature of Practical Question Paper:

a) In the practical question paper there shall be four questions each of 16 marks, a student has to attempt any two questions.
b) Computations should be completed using MS-EXCEL and should be demonstrated to examiner. Experiment aim, formulae, results etc. should be written on practical answer paper.
c) 8 marks are reserved for case study, 5 marks are reserved for the journal and 5 marks for the oral examination.
d) Practical examination is of four hours duration which includes viva (oral) examination and on line demonstration.

SHIVAJI UNIVERSITY, KOLHAPUR

Accredited By NAAC with 'A++' Grade
CHOICE BASED CREDIT SYSTEM
Syllabus For

B. A. Part - I

Science, Technology and Development (S.T.D.)

(Syllabus to be implemented from June, 2022 onwards)

Shivaji University, Kolhapur

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with Learning Outcomes-Based Curriculum Framework (LOCF) of National Education Policy (NEP) 2020

for B. A. Part - I Degree (Basic/Honours)

w.e.f. Academic Year 2022-23 and onwards

PREAMBLE

This paper is specially designed to cater to foundation building of the students by imparting knowledge about the science, technology and development. STD students of B. A. Part-I can bitterly understand all latest concepts in Science, Technology and Development in brief but in adequate manner. The objective of this course is to introduce the latest concepts in Science, Technology and Development, specifically fundamental concepts in scientific thinking, contribution of eminent scientists, non-conventional power resources of India, human health, disaster management, communication and information technology, space and ocean research, defense and agriculture.

ELIGIBILITY FOR ADMISSION

Candidates who have passed any PUC Science, Commerce, Arts examinations in Maharashtra State or any other States in India with equal qualifications are eligible for admission to the course.

DURATION OF THE COURSE

The duration of the B.A./B.Sc. Geography Program shall extend over 8 semesters (four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

MEDIUM OF INSTRUCTION:

The medium of instruction shall be Marathi and English.

PROGRAM OUTCOMES

GENERAL OBJECTIVES OF THE COURSE

1) To study the fundamental concepts of science, technology and development.

2) To study the contribution of eminent scientist in the development of science and technology.

3) To study non-conventional power resources of India.

4) To study impact of science and technology on human health.

5) To study various types of disasters and its management.

6) To study means of communication and information technology.

7) To study science technology in space and ocean research.

8) To study space technology in India's defence and agriculture.

COURSE OUTCOMES

1) Student should be able to understand in-depth about the concepts of science, technology and development.

2) Students should be able to understand contribution of eminent scientists in the development of science and technology.

3) Students should be able to study non-conventional power resources in the country.

4) Students should understand impact of science and technology on human health.

5) Students should understand types of disasters and its management.

6) Students should understand means of communication and information technology.

7) Students should be able to understand science technology in space and ocean research.

8) Students should understand technology in India's defence and agriculture.

SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The Theory paper shall carry internal 10 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Continuous Evaluation Methods (40 Marks):

Q. 1: Multiple Choose Question (05)

Q. 2: Write short notes (any three) (15)

Q. 3: Write detail answers on any two (20)

Internal Evaluation 10 Mark

B.A.-I Semester-I - Home Assignment / Unit Test / Case Study

B.A.-I Semester-II – Home Assignment / Unit Test / Case Study

Generic Elective for B. A. Part – I Semester I

Science Technology and Development (STD)

(THEORY)

Title of the Course: Science, Technology and Development **Code:** CGE-1B

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Classes per week
04	60	04

Semester – I

	No. of Lectures	Credits
Module – I Introduction to Science and Technology	**15**	**01**

1.1 Science and Technology: Definitions, Nature, Scope

1.2 Fundamental Concepts in Scientific Thinking

1.3 Stages in the Study of Science Observation, Experiment, Analysis, Result and Hypothesis.

1.4 Science and Superstitions

1.5 Development of Science and Technology

1.6 Impact of Science and Technology on Society

Module - II Contribution of Eminent Scientist in the Development of Science and Technology	**15**	**01**

2.1 Louis Pasteur

2.2 Albert Einstein

2.3 Thomas Alva Edison

2.4 Dr. Homi Bhabha

2.5 Dr. M.S. Swaminathan

2.6 Dr. A.P.J. Abdul Kalam

Module – III Non-Conventional Power Resources of India	**15**	**01**

3.1 Resource: Concept and Importance

3.2 Types of Power Resource

3.3 Non-Conventional Power Resources

3.3.1 Solar Energy

3.3.2 Wind Energy

3.3.3 Hydel Power Energy

3.3.4 Nuclear Energy

3.3.5 Bio Energy

3.3.6 Geo-Thermal Energy

3.3.7 Tidal Energy

3.4 Carbon Credit

Module – IV Science, Technology and Human Health 15 01

4.1 Impact of Science and Technology on Human Health

4.2 Human Blood – Blood Groups, Importance of Matching Blood Groups in Human Health

4.3 Addiction a Social Problem, types, Causes, Effects and Solution

4.4 AIDS – A Challenge before World, Facts, Figures, Causes, Effects, Treatment, Social Outlook.

4.5 Need of Cleanliness: Swachh Bharat Abhiyan

Reference Books

1. Annual Review of Information Science and Technology (ARIST) 39. By Blaise Cronin, Information Today, 2004.

3. Encyclopedia of Computer Science and Technology (Facts on File Science Library) – Import, 15 Jan 2009

4. Encyclopedia of Space Science and Technology, Wiley Online Library.

5. Indian Ocean Research Volumes: Geopolitical Orientations, Regionalism and Security in the Indian Ocean (Routledge Revivals), Dennis Rumley, Sanjay Chaturvedi (Editor) 2015

6. Disaster Management in India, Kadambari Sharma and Chiranjeev Avinash, Jnanda Prakashan, 2010.

7. Bagila A.V. (Ed) Science and Society, Lavani Publication House, 1972.

8. Bose D.M (Ed), A Concise History Science in India, Indian National Science Academy, 1971.

9. Butle J.A.V, Science and Human Life, Pergamon Press, London. (Year)

10. Encyclopaedia Britannica.

11. Flower W.S, The Development of Scientific Method, Pergamon Press, London, 1962.

मराठी पुस्तके

1. विज्ञानाचा समाज धारणेवरील परिणाम - दीक्षित कमलाकर, समाज प्रबोधन संस्था
2. शास्त्रीय विचार पद्धती - अ.भि. शहा, समाज प्रबोधन संस्था
3. जीवनाभिमुख विज्ञान - शिवाजी विद्यापीठ प्रकाशन
4. वैज्ञानिक अभ्यासाची गाथा - शिवाजी विद्यापीठ प्रकाशन
5. विज्ञान, तंत्रज्ञान आणि प्रगती - डॉ.पवार जयसिंगराव, प्रा. सूर्यवंशी निशांत फडके प्रकाशन कोल्हापूर
6. विज्ञान, तंत्रज्ञान आणि प्रगती - प्रा. पाटील हरिश्चंद्र, प्रा. घस्ते अनिल , प्रा. पाटील अरुण, प्रा. माने देशमुख रामराजे, निराली प्रकाशन, पुणे
7. मराठी विश्वकोश

Websites:

e-PG Pathshala: https://epgp.inflibnet.ac.in/

MOOCS - NPTEL: https://nptel.ac.in/

MOOCS - SWAYAM: https://swayam.gov.in/

National Digital Library of India: https://ndl.iitkgp.ac.in/

Shivaji University Library (E-Resources): http://www.unishivaji.ac.in/library/E-Resources

Generic Elective for B. A. Part – I Semester II

Science Technology and Development (STD)

(THEORY)

Title of the Course: Science, Technology and Development **Code:** CGE-2B

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Classes per week
04	60	04

Semester – II

Module - I Disaster Management **15** **01**

1.1 Disaster: Concept and Types

1.2 Earthquake 1.3 Flood

1.4 Drought 1.5 Fire

1.6 Accident 1.7 Crowd

Module –II Means of Communication and Information Technology **15** **01**

2.1 A Brief History of Communication

2.2 Origin, Development and Importance of Computer 2.3 Computer Network

2.4 Internet

2.5 Computer Viruses

2.6 Information Technology

Module – III Science Technology in Space and Ocean Research **15** **01**

3.1 Artificial Satellite – Types and Usages

3.2 Indian Space Research Organisation

3.3 Introduction of: a) Geographical Information System (GIS)

b) Global Navigation Satellite System (GNSS)

3.4 Importance of Ocean Study

3.5 National Institute of Oceanography

Module – IV Science Technology in India's Defence and Agriculture **15** **01**

4.1 Science Technology in National Defence

4.2 Defence Research and Development Organization (DRDO)

4.3 New Technology in Irrigation System

4.4 Chemical and Bio Fertilizers

4.5 Modern equipment's in agriculture

4.6 Plant Protection Methods

Reference Books

1. Annual Review of Information Science and Technology (ARIST) 39. By Blaise Cronin, Information Today, 2004.

3. Encyclopedia of Computer Science and Technology (Facts on File Science Library) – Import, 15 Jan 2009

4. Encyclopedia of Space Science and Technology, Wiley Online Library.

5. Indian Ocean Research Volumes: Geopolitical Orientations, Regionalism and Security in the Indian Ocean (Routledge Revivals), Dennis Rumley, Sanjay Chaturvedi (Editor) 2015

6. Disaster Management in India, Kadambari Sharma and Chiranjeev Avinash, Jnanda Prakashan, 2010.

7. Bagila A.V. (Ed) Science and Society, Lavani Publication House, 1972.

8. Bose D.M (Ed), A Concise History Science in India, Indian National Science Academy, 1971.

9. Butle J.A.V, Science and Human Life, Pergamon Press, London. (Year)

10. Encyclopaedia Britannica.

11. Flower W.S, The Development of Scientific Method, Pergamon Press, London, 1962.

मराठी पुस्तके

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2. शास्त्रीय विचार पद्धती - अ.भि. शहा, समाज प्रबोधन संस्था
3. जीवनाभिमुख विज्ञान - शिवाजी विद्यापीठ प्रकाशन
4. वैज्ञानिक अभ्यासाची गाथा - शिवाजी विद्यापीठ प्रकाशन

5. विज्ञान, तंत्रज्ञान आणि प्रगती - डॉ.पवार जयसिंगराव, प्रा. सूर्यवंशी निशांत फडके प्रकाशन कोल्हापूर
6. विज्ञान, तंत्रज्ञान आणि प्रगती - प्रा. पाटील हरिश्चंद्र, प्रा. घस्ते अनिल , प्रा. पाटील अरुण, प्रा. माने देशमुख रामराजे, निराली प्रकाशन, पुणे
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Websites:

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MOOCS - SWAYAM: https://swayam.gov.in/

National Digital Library of India: https://ndl.iitkgp.ac.in/

Shivaji University Library (E-Resources): http://www.unishivaji.ac.in/library/E-Resources

Estd. 1962
NAAC 'A' Grade

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA
PHONE : EPABX-2609000 website- www.unishivaji.ac.in
FAX 0091-0231-2691533 & 0091-0231-2692333 – BOS - 2609094
शिवाजी विद्यापीठ, कोल्हापूर – 416004.
दुरध्वनी (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग– २६०९०९४)
फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३.e-mail:bos@unishivaji.ac.in

Ref../SU/BOS/Com & Mgmt./ 6032 **Date : 17/06/2019**

To,

The Principal
All Affiliated (Commerce & Management) College/Institutions,
Shivaji University, Kolhapur

Subject : Regarding syllabi and equivalence of B. Com. Part-II (Sem. III & IV) Choice Based Credit System (CBCS) degree programme under the Faculty of Commerce & Management.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University authorities have accepted and granted approval to the revised syllabi and equivalence of B. Com. Part-II (Sem. III & IV) Choice Based Credit System (CBCS) under the Faculty of Commerce & Management.

This syllabi and equivalence shall be implemented from the academic year 2019-2020 (i.e. from June, 2019) onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (Online Syllabus).

The question papers on the pre-revised syllabi of above mentioned course will be set for the examinations to be held in October / November 2019 & March / April, 2020. These chances are available for repeater students, if any.

For Students of Distance Education this syllabi shall be imlemented from the academic year 2020-2021 (i.e. from June, 2020) onwards

You are therefore, requested to bring this to the notice of all Students and Teachers concerned.

Thanking you,

Yours faithfully,

Dr. Registrar

Encl : As above

Copy to,

1. I/c Dean, Faculty of Commerce & Management
2. Chairman, BOS under Faculty of Commerce & Management

} for information

3. Director, BOEE
4. Appointment Section
5. P. G. Admission Section
6. B. Com. Section
7. Affiliation Section (U.G./P.G.)
8. Computer Center/I.T.
9. Eligibility Section
10. Distance Education
11. P.G. Seminer Section

} for information and necessary action.

SHIVAJI UNIVERSITY, KOLHAPUR

Estd. 1962

NAAC 'A' Grade

Faculty of Commerce & Management

Syllabus For

Bachelor of Commerce

B. Com. Part II

(Sem III & IV)

To be implemented from June 2019 onwards.

(Subject to the modifications that will be made from time to time)

Shivaji University, Kolhapur
B.Com (CBCS) Part-II (Semester-III)
Corporate Accounting Paper - I
Core Course
Introduced from June-2019-20

4 Credits

Course Outcomes:

1. Explain the accounting entries of issue and forfeiture of shares and re-issue of forfeited shares, discuss accounting treatment for redemption of preference shares and buyback of shares.
2. Demonstrate accounting for issue of debentures and redemption of debentures.
3. Simulate practice of preparing financial statements as per the provisions of Indian Companies Act 2013.
4. Practice the fundamental accounting process on Tally ERP.

Syllabus Contents

Unit I: Issue and forfeiture of shares, Re-issue of forfeited shares, Redemption of preference shares and Buyback of shares. (15 Periods)

Unit II: Issue and Redemption of Debentures (10 Periods)

Unit III: Preparation of Final Accounts of Companies. (15 Periods)

Unit IV: Practical of Fundamental Computerised Accounting (20 Periods)

a) Introduction to Tally ERP.9, Technological Advantages, Getting Functional with Tally ERP.9, Tally ERP.9 Start-up, Mouse/Keyboard Conventions, Switching between Screen Areas, Quitting Tally ERP.9, Setting up of Company in Tally ERP.9,
b) Create a Company- Select a Company, Alter a Company, Shut a Company, Creating Accounting Masters in Tally ERP.9, Chart of Accounts,
c) Pre-defined Groups of Accounts, Groups- Creating Single Group, Creating Multiple Group, Displaying Group, Altering Group,
d) Ledgers, Creating Single Ledger, Creating Multiple Ledger, Displaying Ledger, Altering Ledger, Voucher Entry in Tally ERP.9,
e) Accounting Vouchers- Contra Voucher (F4), Payment Voucher (F5), Receipt Voucher (F6), Journal Voucher (F7), Purchase (F9), Sales (F8), Debit Note (Ctrl + F9), Credit Note (Ctrl + F8),
f) Financial Statements- Balance Sheet, Profit & Loss A/c., Trial Balance,
g) Accounting Books and Registers- Cash Book, Bank Book, Purchase Register, Sales Register, Journal Register, Debit Note Register, Credit Note Register and Day Book.

Notes:

1) College should make a provision of necessary computers and accounting software for commerce department to train the students in Computerised Accounting as prescribed in the syllabus.
2) A visit should be arranged for increasing awareness of students regarding Corporate Accounting either in any Company Office or the Office of any Chartered Accountant/ Professional Accountant.

Reference Books:-

1) Gupta, S. C.; Gupta, M. P.; Shukla, M. C.; Agrawal, B. M. and Grewal, T. S. (2019). Advanced Corporate Accounting, New Delhi: S. Chand & Company.
2) Shukla, M. C.; Grewal, T. S. and Gupta, S. C.; (2016). Advanced Accounts, New Delhi: S. Chand & Company.
3) Arulnandan, M. A. and Raman, K. S. (2018). Advanced Accountancy (Corporate Accounting) Vol. II, Mumbai: Himalaya Publishing House.
4) Gupta, R. L. andRadhaswamy, M. (2018). Advanced Accountancy Vol. II, New Delhi: Sultan Chand and Sons.
5) Maheshwari, S. N.; Maheshwari, Suneel and Maheshwari, Sharad K. (2018). Corporate Accounting. New Delhi: Vikas Publication House.
6) Shukla M. C. ; Grewal T.S. and Gupta S.C. - Advanced Accounts, New Delhi: S.Chand and Co.
7) Jain, S. P.; Narang, K. L.; Agrawal, Simmi and Sehgal, Monik (2018). Advanced Accountancy (Corporate Accounting) Vol. II, New Delhi: Kalyani Publishers.
8) Hanif, M. and Mukharjee, A (2018). Modern Accountancy Vol. II, Noida: McGraw Hill Education India (Private) Ltd.
9) Chakraborty, Hrishikesh, Advanced Accountancy, Oxford University Press
10) Chougule,Rajan (2011). Computerized Accounting, Kolhapur.
11) Tulsian, P. C. and Tulsian, Bharat (2015). Corporate Accounting, New Delhi: S. Chand Publishing.

Shivaji University, Kolhapur
B.Com. (CBCS) Part-II (Semester-IV)
Corporate Accounting Paper - II
Core Course
Introduced from June-2019-20

4 Credits

Course Outcomes:

1. Explain the accounting entries of profit/loss prior to incorporation.
2. Compute the value of shares as per distinct methods and differentiate between them.
3. Simulate practice of accounting for liquidation of companies.
4. Practice the store accounting through Tally ERP.

Unit -I: Profit /Loss Prior to Incorporation. (15 Periods)

Unit-II: Valuation of shares: Intrinsic value method, Market value Method (Capitalization of profit and dividend basis) Fair value. **(10 Periods)**

Unit-III: Accounting for Liquidation of companies- Process of Liquidation under Insolvency and Bankruptcy Code, Preparation of Liquidator's Final Statement of Account**.** **(15 Periods)**

Unit-IV: Store Accounting with Practical using Tally. **(20 Periods)**

Theory:

a) Basic Concepts of Store Accounting- Importance of Material Management and Inventory Control, Objectives of Inventory Control System, Functions and Duties of Store-keeper,
b) Key Terms- Stock items, Category of item, Item Name, Unit of Measurement- Purchase Rate per Unit, Current Stock Quantity, Current Valuation Rate, Opening Stock Quantity, Opening Valuation Rate, Purchase Returns, Sales Returns
c) Stock Valuation Methods- Source document, Types of Source documents, Purchase Invoice, Goods Received Note, Sales Invoice, Delivery Challan
d) Tally Reports of Store Accounting- Bill-wise List of Stock Items, Stock Statement, Material Receipts/ Purchases Register, Material Issues/ Sales Register, Material Return Report, Slow Moving Items Report, Fast Moving Items Report.

Practical:

a) Creating Inventory Masters in Tally.ERP 9, Stock Groups- Creating Single Stock Group, Creating Multiple Stock Group, Displaying Stock Group, Altering Stock Group,
b) Units of Measure- Simple Units, Creating Simple Units, Displaying Units of Measure, Deleting Units of Measure
c) Stock Items- Creating Single Stock Items, Creating Multiple Stock Items, Displaying Stock Items, Altering Stock Items,
d) Voucher Entry in Tally.ERP 9- Purchase Voucher (F9), Sales Voucher (F8), Credit Note Voucher (Ctrl + F8), Debit Note Voucher (Ctrl + F9)
e) Financial Statements- Balance Sheet, Profit & Loss A/c., Trial Balance,

f) Accounting Books & Registers- Cash Book, Bank Book, Purchase Register, Sales Register, Journal Register, Debit Note Register, Credit Note Register, Day Book, Statistics,
g) Inventory Books & Reports- Stock Summary, Stock Item Summary, Stock Group Summary, Exception Reports- Negative Stock, Negative Summary.

Notes:

1) College should make a provision of necessary computers and accounting software for commerce department to trainthe students in Computerised Accounting as prescribed in the syllabus.
2) A visit shouldbe arranged for increasing awareness of students regarding CorporateAccounting either in any Company Office or the Office of any Chartered Accountant/ Professional Accountant.

Reference Books:-

12) Gupta, S. C.; Gupta, M. P.; Shukla, M. C.; Agrawal, B. M. and Grewal, T. S. (2019). Advanced Corporate Accounting, New Delhi: S. Chand & Company.
13) Shukla, M. C.; Grewal, T. S. and Gupta, S. C.; (2016). Advanced Accounts, New Delhi: S. Chand & Company.
14) Arulnandan, M. A. and Raman, K. S. (2018). Advanced Accountancy (Corporate Accounting) Vol. II, Mumbai: Himalaya Publishing House.
15) Gupta, R. L. andRadhaswamy, M. (2018). Advanced Accountancy Vol. II, New Delhi: Sultan Chand and Sons.
16) Maheshwari, S. N.; Maheshwari, Suneel and Maheshwari, Sharad K. (2018). Corporate Accounting. New Delhi: Vikas Publication House.
17) Shukla M. C. ; Grewal T.S. and Gupta S.C. - Advanced Accounts, New Delhi: S.Chand and Co.
18) Jain, S. P.; Narang, K. L.; Agrawal, Simmi and Sehgal, Monik (2018). Advanced Accountancy (Corporate Accounting) Vol. II, New Delhi: Kalyani Publishers.
19) Hanif, M. and Mukharjee, A (2018). Modern Accountancy Vol. II, Noida: McGraw Hill Education India (Private) Ltd.
20) Chakraborty, Hrishikesh, Advanced Accountancy, Oxford University Press
21) Chougule,Rajan (2011). Computerized Accounting, Kolhapur.
22) Tulsian, P. C. and Tulsian, Bharat (2015). Corporate Accounting, New Delhi: S. Chand Publishing.

Nature of Question Paper

B.Com. Part-II
Under CBCS
Subject: Corporate Accounting Paper-I (Semester-III)
Core Course
(Introduced from June-2019-20)

Instructions:- 1- All questions are compulsory.
2-Figures to the right indicate marks.

Total Marks- 40

Q.No.1 Short Answer Questions:
a) Question on Theory of Unit-1 Or Question on Theory of Unit-1 5 marks
b) Question on Problem of Unit-1OrQuestion on Problem of Unit-1 5 marks

Q.No.2Short Answer Questions:
a) Question on Theory of Unit-2Or Question on Theory of Unit-2 5 marks
b) Question on Problem of Unit-2 Or Question on Problem of Unit-2 5 marks

Q.No.3Questions:
a) Question on Theory of Unit-3Or Question on Theory of Unit-3 5 marks
b) Question on Problem of Unit-3 Or Question on Problem of Unit-3 10 marks

Q.No.4Short Answer Questions:
a) Question on Theory of Unit-4 Or Question on Theory of Unit-4 5 marks

Notes:
1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-I.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

Nature of Question Paper

B.Com. Part-II
Under CBCS
Subject: Corporate Accounting Paper-II (Semester-IV)
Core Course
(Introduced from June-2019-20)

Instructions:- 1- All questions are compulsory.
2-Figures to the right indicate marks.

Total Marks- 40

Q.No.1 Short Answer Questions:
c) Question on Theory of Unit-1 Or Question on Theory of Unit-1 5 marks
d) Question on Problem of Unit-1OrQuestion on Problem of Unit-1 5 marks

Q.No.2Short Answer Questions:
c) Question on Theory of Unit-2Or Question on Theory of Unit-2 5 marks
d) Question on Problem of Unit-2 Or Question on Problem of Unit-2 5 marks

Q.No.3Questions:
c) Question on Theory of Unit-3Or Question on Theory of Unit-3 5 marks

d) Question on Problem of Unit-3 Or Question on Problem of Unit-3 10 marks

Q.No.4Short Answer Questions:

b) Question on Theory of Unit-4 Or Question on Theory of Unit-4 5 marks

Notes:

1) Practical examination for 10 marks will be conducted on Unit-IV of Paper-I.
2) External examiner will be appointed by the university to conduct this practical examination.
3) There will be 40 marks for University Written examination and 10 marks for practical examination. Thus Total marks will be 50.

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Shivaji University, Kolhapur
B.Com (CBCS Pattern)
Part-II (Semester-III)
Fundamentals of Entrepreneurship- Paper-I
Generic Elective Course
Introduced from June-2019-20

Credits-4

Objectives-

1. To impart theoretical knowledge of Entrepreneurship
2. To develop Entrepreneurship qualities and skills
3. To acquaint students with Steps involved in the formation of Small Enterprises
4. To enlighten students with Recent Trends and Concepts in Entrepreneurship

Unit-I	**Entrepreneur:-** Evolution, Meaning and Definition, Functions, Qualities of successful entrepreneur, Types of Entrepreneur, Obstacles to become an Entrepreneur, Challenges before existing entrepreneur in modern era.	15 Hours
Unit-II	**Entrepreneurship and Entrepreneurship Development:** Concept, Definitions, Importance, Theories- Joseph Schumpeter's Theory of Innovation, Hagen's theory of Status Withdrawal, David McClelland's Need for Achievement theory, Knight's Risk Taking theory, Entrepreneurship Development- Concept and Process. Introduction, Functions and Performance of – EDI, MCED And DIC	15 Hours
Unit-III	**Micro, Small and Medium Enterprises(MSME):** Definition, Importance, Problems of MSME and Remedies, Government Policy and Support, Steps involved in the formation of Small Enterprises- Location, Clearances, Permits required, Formalities, Licensing and Registration Procedure.	15 Hours
Unit-IV	**Recent Trends and Concepts in Entrepreneurship:** Recent Trends- Start up, Stand up, Skill India, Make in India, Incubation Centre- Concept and Importance. Concepts- Sociopreneur, Edupreneur, Ecopreneur, Netpreneur, Intrapreneur(Only concept and Characteristics)	15 Hours

Shivaji University, Kolhapur
B.Com (CBCS Pattern)
Part-II (Semester-IV)
Fundamentals of Entrepreneurship- Paper-II
Generic Elective Course
Introduced from June-2019-20

Credits-4

Objectives-

1. To acquaint students with family business in India
2. To impart conceptual knowledge of Service and Agro Entrepreneurship
3. To aware students about Business Plan and Project Report
4. To inspire the students through successful stories of Entrepreneurs

Unit-I	**Family Business:** Meaning, Types, Advantages and Disadvantages of Family Business, Challenges before family business in India, Business Succession Planning, Making family business more effective.	15 Hours
Unit-II	**Service and Agro Entrepreneurship:** A) Service Entrepreneurship- Meaning and Concept, Role of Service sector in National Economy, Opportunities in Service sector. B) Agro Entrepreneurship- Meaning and Concept, Importance, Entrepreneurial Opportunities in Agro Sector, Challenges before Agro Entrepreneurship	15 Hours
Unit-III	**Business Plan and Project Report:** Meaning and Concept of Business Plan, Key elements of business plan. Meaning, Concept and classification of project. Project for Retail store, Beauty parlor, Oil Mill, Cold Storage, Eco friendly Bag production- Reasons for failure of project.	15 Hours
Unit-IV	**Women Entrepreneurship and Successful Entrepreneurs** Women Entrepreneur- Concept and causes of limited growth of women entrepreneurs in India. Successful Entrepreneurs- Male- Jeff Bezos(Amazon), Hanmantrao Gaikwad (BVG), Chitale Brothers (Chitale Dairy), Ramdas Mane (Mane Group of Industries) Female- Aditi Gupta (Whisper Girl), Chetana Gala-Sinha (Manadeshi Foundation), Vandana Luthra (VLCC),	15 Hours

Note – Industrial visit/ visit to EDP Institute is suggested to acquaint students about entrepreneurial knowledge.

A talk or interaction with entrepreneurial should be arranged.

B.Com.II
Semester III and IV (CBCS Pattern)
Fundamentals of Entrepreneurship Paper I & II
Nature of Question Paper

Instructions: **Total Marks: 50**

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Write short answers (Any two out of Three)	10 Marks
Q.2	Broad Question	10 Marks
Q.3	Broad Question	10 Marks
Q.4	Broad Question	10 Marks
Q.5	Broad Question	10 Marks
Q.6	Broad Question	10 Marks
Q.7	Write Short Notes (Any two out of Three)	10 Marks

Equivalence

Sr.No.	Old Name	New Name
1	Fundamentals of Entrepreneurship Paper - I	Fundamentals of Entrepreneurship Paper - I
2	Fundamentals of Entrepreneurship Paper - II	Fundamentals of Entrepreneurship Paper - II

Reference Books:

1. Dynamics of Entrepreneurial Development and Management- by Vasant Desai
2. Udyojakata- by Prabhakar Deshmukh
3. Entrepreneurship Development in India- by C.B. Gupta and N.P. Shrinivasan
4. Entrepreneurship and Small Business Management- by Shukla M.B.
5. Entrepreneurial Development- by Dr. S.S. Khanka
6. Entrepreneurial Development- by Godron E. and Natrajan K.
7. Entrepreneurial Development- by Taneja Satish and Gupta S.L.
8. Current Trends in Entrepreneurship - by Mohan S. Elangovan R.
9. Project Preparation Appraisal, Implementation- by Prasanna Chandra
10. Formulation of a Project Report- by Vinod Gupta

Shivaji University, Kolhapur

Syllabus of B.Com

(Semester-III & IV)

Syllabus to be Introduced from June 2019

Money and Financial System

CHOICE-BASED CREDIT SYSTEM
B.Com SEM III
Money and Financial System (Paper No – 1)

Course Outcomes:

1. Learners will be able to explain functions of money and measurement of money supply
2. Learners will understand the banking system and its functioning in India
3. Learners will understand the nature of banking business and business practices
4. Learners will understand the important recent trends in banking system

Expected Skills Impartation (Through theory and Practical's)

1. Ability to explain monetary system in India
2. Ability to critical thinking on banking business
3. Ability to explain recent trends in Indian Banking

Marks : 50	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**Introduction to Money** 1.1 Evolution, Meaning and Functions of Money 1.2 Meaning and Features of Blockchain Technology and Digital Currency 1.3 Approaches to the Money supply, RBI's Measures 1.4 Constituents and Factors affecting on Money Supply	13 Lectures
Unit-2:	**Introduction to Banking** 2.1. Meaning, Evolution and Functions of Commercial Banks 2.2. Types and features of banks - Commercial, Cooperative, Public and Private, Foreign, Payment Banks, Small Finance Banks, Local Area Banks etc 2.3. Principles of Banking Business and its importance 2.4. Process of Credit Creation and Its limitations	15 Lectures
Unit-3:	**Banking Business and Practices** 3.1. Meaning, Types and Features of Deposits Products of Banks 3.2. Meaning, Types and Features of Loan Products of Banks 3.3. Sources of Funds and Income for Banks 3.4. Changing Nature of Banking Business	17 Lectures
Unit-4:	**New Trends and Recent Issues in Indian Banking** 4.1 Micro Finance Institutions- Evolution, Functions and Importance 4.2 Types, Advantages and Disadvantages of Bank Mergers 4.3 Licensing and functioning of Payment Banks Small Finance Banks 4.4 Meaning, Causes and Remedies for NPA, Prompt Correctives Action	15 Lectures

Note: Bank visits and case studies on banking business should be conducted

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. Bhasin Nitin (2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.

EQUIVALENCE OF THE PAPERS

Sr	Existing title of the Paper	Revised Title of the paper
1	**Money and Financial System (Paper - I)**	**Money and Financial System (Paper - I)**

Nature of question paper for semester III and IV (Paper No. I & II)
Attempt any five questions.
Total marks 50

Q1. Write short answers (any two out of three)	10
Q2. Broad question	10
Q3. Broad question	10
Q4. Broad question	10
Q5. Broad question	10
Q6. Broad question	10
Q7. Write short notes (any two out of three)	10

Shivaji University, Kolhapur

Syllabus of B.Com

(Semester-III & IV)

Syllabus to be Introduced from June 2019

Money and Financial System

CHOICE-BASED CREDIT SYSTEM
B.Com SEM IV

Money and Financial System (Paper No – 2)

Course Outcomes:

1. Students will be able to use e-banking services
2. Students will be able explain working of RBI in India
3. Students will be able to provide consultancy and guidance for investment in financial markets
4. Students will be able to explain the business practices of NBFCs and AIFI

Expected Skills Impartation (Through theory and Practical's)

1. Use of E-banking services
2. Able to provide Financial consultancy
3. Critical thinking about NBFCs and their effects

Marks : 50	Total Lectures of Teaching : 60	Credits : 4

Unit-1:	**E-Banking Services** 1.1 Meaning and features of E-Banking, Various Internet Banking Services 1.2 Credit and Debit Card : Features, importance & precautions 1.3 NEFT, RTGS, IMPS & Cheque Truncation System 1.4 Mobile Banking - Features, different Mobile Apps and Importance	17 Lectures
Unit-2:	**Reserve Bank of India** 2.1 Organizational Structure and Functions of RBI 2.2 Meaning and Objectives Monetary Policy 2.3 Instruments of Monetary Policy 2.4 Monetary Policy Committee; Issue of RBI's Autonomy & Section-7 of RBI Act 1934	12 Lectures
Unit-3:	**Financial Markets** 3.1 Structure and Importance of Financial System 3.2 Features and structure of Money Market in India, Role of RBI 3.3 Features and structure of Capital Market in India, Role of SEBI 3.4 Reforms in Indian Money Market and Capital Market	17 Lectures
Unit-4:	**All India Financial Institutes and NBFCs** 4.1 Administrative Structure, Functions and Role of NABARD and SIDBI 4.2 Administrative Structure, Functions and Role of NHB and EXIM Bank 4.3 Meaning, Features, Types and Growth of NBFCs 4.4 Mutual Fund - Meaning, Types and Importance	15 Lectures

Note: Visits to financial institutes and financial consultancy firms should be conducted

Suggested Additional Readings:

1. Bhole L.M. (2009), Financial Institutions and Market, Tata McGraw Hill, New Delhi
2. Bhasin Nitin(2010), Financial Institutions and Financial Markets in India :Functioning and Reforms. New Century Publications, New Delhi
3. Berg Braam van den (2015),Understanding Financial Markets & Instruments, Academy of Financial Market, https://eagletraders.com/books/afm/afm4.php
4. Cade, Eddie (1998) Managing Banking Risks, Woodhead Publishing Ltd., in association with The Chartered Institute of Bankers, England.
5. Gupta, L.C (1997),Stock Exchange Trading in India; Society for Capital Market Research and Development
6. Sethi Jyotsna and Bhatia Nishwan (2003),Elements of Banking and Insurance, Prentice Hall of

India,New Delhi
7. National Stock Exchange (2015), Securities Market (Basic) Module, NCFM, National Stock Exchange of India Limited
8. Joshi Vasant C. and Joshi Vinay V (1998), Managing Indian Banks: The Challenges Ahead, Response Books, New Delhi.

EQUIVALENCE OF THE PAPERS

Sr	Existing title of the Paper	Revised Title of the paper
1	Money and Financial System (Paper - II)	Money and Financial System (Paper - II)

SHIVAJI UNIVERSITY,KOLHAPUR
Syllabus B.COM.
SEMESTER - III
MACRO ECONOMICS – PAPER- I
(CHOICE BASED CREDIT SYSTEM – (CBCS)
Credits : 4
Introduced from June 2019

COURSE OUTCOMES:
Student will be able to explain…
1 The macro variables and components of macro economics
2 The relevance of national income concepts and its applications in economic policy making.
3 Changing value of money and its impacts on economy.
4 The output and employment generation process through investment and consumption.

UNIT -1	**Introduction to Macro Economics** 1.1 Meaning, Nature and Scope 1.2 Significance of Macro Economics 1.3 Limitations of Macro Economics 1.4 Macro Economic Variables	15
UNIT -2	**National Income** **2.1** Meaning and concepts- GDP,GNP,NNP, Personal and Disposable income, Per capita Income, National income at current and constant prices. **2.2** Methods of computing National Income- Product, Income and Expenditure methods 2**.3** Difficulties in computing National Income **2.4** Applications of National Income Data	15
UNIT -3	**Value of Money** **3.1** Concept of Value of Money **3.2** Quantity Theory of Money-, Transaction Approach, Cash Balance Approach **3.3** Inflation-Causes of Inflation, Inflation and interest rates, Social cost of Inflation, Remedies to control of inflation. **3.4** Index Number – Meaning, Construction of Simple and Weighted Index Numbers.	15
UNIT -4	**Output and Employment** **4.1** J.B. Say's Law of Market **4.2** Keynesian Theory of Employment **4.3** Consumption Function - Concept and Types, Factors influencing consumption function **4.4** Investment Function- Marginal Efficiency of Capital, Investment Multiplier	15

References –

1. Agarwal H.S. (2013), Principles of Economics, Global Professional Publishing
2. Ahuja H.L.(2010), Macro Economics Theory and Policy, S. Chand and Company.
3. Branson William H. (1997), Macro Economics Theory and Policy,harper Collins India Pvt.Ltd.
4. Crowther Geoffrey (1940),An Outline of Money, Thomas Nelson and sons Ltd. London
5. Duesenberry James,S. Business Cycles and national Income, Georg Allen and Union London
6. Derburg and McDougal (1976), Macro Economics, McGraw Hill Education, New York
7. Dewtt K.K.,(2006),Modern Economic Theory, S. Chand and Company.
8. Gupta G.S.(2008),Macro Economics: Theory and Applocations,tata McGraw Hill Education
9. Gupta S.B.(2010),Monetery Economics, S. Chand and Company.
10. Hanson J.L. An Outline of Monetary Theory, McDonalds and Evans Ltd.London
11. Haberler Gottfried (1968) Theory of International Trade, William Hodge and Company
12. Hanson Alvin H. (1949), Monetery Theory and Policy, McGraw Hill Publication
13. Hanson J.L.(1970),Monetary Theory and Practice, McDonalds and Evans Ltd.London
14. Hicks U.K.(1968), Public Finance, James Nisbet and Comp.London
15. Lindauer John (2012) Macro Economics,4th Ed iUnivers Inc.Bloomington USA
16. Jinghan M.L. Macro Economic Theory,Vinda Publication Pvt.Ltd.new Delhi
17. Lekhi R.K.Public ,(2015)Finance,Kalayani Publishers New Delhi
18. Mithani D.M. (2012), Money Banking International Trade and Public Finance,Himalaya Publishing House
19. Musgrave Richard,(2004), Public Finance, McGraw Hill Publication
20. Shapiro Edward (2013),Macro Economic Analaysis, Galgotia Publication
21. Samuelsson Paul A. Nordhaus W.D.(2010),Macro Economics, McGraw Hill Publication
22. Schumpeter J.A.(1939), Business Cycles, McGraw Hill Publication
23. Seth M.L. (2017),Macro Economics, Laximinarayan Agarwal Publication
24. Singh S.B. Macro Economics, Vishvbharti Publication New Delhi
25. Taygi B.P. Singh H.P(2016), Public Finance,Jaypraksh Nath Co.
26. Vaish M.C.(2009).Monetary Policy.Vikas Publishing House New Delhi

Equivalence of the paper

Title of Old Paper	Title of New Paper
Business Economics Paper III	Macro Economics Paper I

SHIVAJI UNIVERSITY,KOLHAPUR
Syllabus
B.COM.
SEMESTER - IV
MACRO ECONOMICS – PAPER- II
(CHOICE BASED CREDIT SYSTEM – (CBCS)
Credits : 4
Introduced from June 2019

COURSE OUTCOMES:
Student will be able to explain…

1. The trade cyclical phenomenon in the economy and they will able to take practical decisions at their business level in future.
2. Public finance system of state and its impact on economy and citizens of the nation.
3. The trade and business practices through international trade theories and other relevant concepts.
4. The international monetary exchange system and determination of rate exchange.

UNIT -1	**Trade Cycles** **1.1** Meaning Features and Types **1.2** Phases of Trade Cycles **1.3** Theories of Trade Cycles – Hawtrey and Schumpeter **1.4** Control of Trade Cycles	15
UNIT -2	**Public Finance** **2.1** Meaning, Nature and Scope, The Principle of Maximum Social Advantage **2.2** Public Revenue- Meaning, Tax Revenue-Direct and Indirect Taxes - Merits and Demerits, Concept of Goods and Service Tax (GST), Non-Tax Revenue Sources **2.3** Public Expenditure- Causes of growth and effects **2.4** Public Debt – Forms and Effects, Deficit Financing- Objectives and limitations.	15
UNIT -3	**International Trade** **3.1** Concept of Trade, Internal and International Trade **3.2** Advantage and Disadvantage of International Trade, Ricardian Theory of International Trade, Terms of Trade – Meaning, Types and its influencing factors. **3.3** Balance of Payments – Causes of disequilibrium, Measures to correct disequilibrium. **3.4** Concepts of Free Trade and Protective Trade	15
UNIT 4	**Rate of Exchange** **4.1** Concept of Rate of Exchange **4.2** Types – Fixed, Flexible , Spot and Future rate of exchange **4.3** Purchasing Power Parity Theory	15

	4..4 Modern Theory of rate of exchange	

References –

1. Agarwal H.S. (2013), Principles of Economics, Global Professional Publishing
2. Ahuja H.L.(2010), Macro Economics Theory and Policy, S. Chand and Company.
3. Branson William H. (1997), Macro Economics Theory and Policy,harper Collins India Pvt.Ltd.
4. Crowther Geoffrey (1940),An Outline of Money, Thomas Nelson and sons Ltd. London
5. Duesenberry James,S. Business Cycles and national Income, Georg Allen and Union London
6. Derburg and McDougal (1976), Macro Economics, McGraw Hill Education, New York
7. Dewtt K.K.,(2006),Modern Economic Theory, S. Chand and Company.
8. Gupta G.S.(2008),Macro Economics: Theory and Applocations,tata McGraw Hill Education
9. Gupta S.B.(2010),Monetery Economics, S. Chand and Company.
10. Hanson J.L. An Outline of Monetary Theory, McDonalds and Evans Ltd.London
11. Haberler Gottfried (1968) Theory of International Trade, William Hodge and Company
12. Hanson Alvin H. (1949), Monetery Theory and Policy, McGraw Hill Publication
13. Hanson J.L.(1970),Monetary Theory and Practice, McDonalds and Evans Ltd.London
14. Hicks U.K.(1968), Public Finance, James Nisbet and Comp.London
15. Lindauer John (2012) Macro Economics,4th Ed iUnivers Inc.Bloomington USA
16. Jinghan M.L. Macro Economic Theory,Vinda Publication Pvt.Ltd.new Delhi
17. Lekhi R.K.Public ,(2015)Finance,Kalayani Publishers New Delhi
18. Mithani D.M. (2012), Money Banking International Trade and Public Finance,Himalaya Publishing House
19. Musgrave Richard,(2004), Public Finance, McGraw Hill Publication
20. Shapiro Edward (2013),Macro Economic Analaysis, Galgotia Publication
21. Samuelsson Paul A. Nordhaus W.D.(2010),Macro Economics, McGraw Hill Publication
22. Schumpeter J.A.(1939), Business Cycles, McGraw Hill Publication
23. Seth M.L. (2017),Macro Economics, Laximinarayan Agarwal Publication
24. Singh S.B. Macro Economics, Vishvbharti Publication New Delhi
25. Taygi B.P. Singh H.P(2016), Public Finance,Jaypraksh Nath Co.
26. Vaish M.C.(2009).Monetary Policy.Vikas Publishing House New Delhi

Equivalence of the papers

Title of Old Paper	Title of New Paper
Business Economics Paper IV	Macro Economics Paper II

Nature of Question Paper for paper III and IV

Total Marks: 50

Attempt any five questions out of seven

Q.1 Write short answers (Any two out of three) 10

Q.2 Broad question 10

Q.3 Broad question	10
Q.4 Broad question	10
Q.5 Broad question	10
Q.6 Broad question	10
Q.7 Write short notes (Any two out of three)	10

B.COM. PART II
ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)
(CBCS)

ENGLISH FOR BUSINESS COMMUNICATION

(Compulsory English)
June 2019 Onwards

Course Objectives:

- To enable the students to develop communication skills in English, both oral and written.
- To equip the students with the language skills for use in their personal, academic and professional lives.
- To develop the students essential employability skills.
- To help the students to enter the job market with confidence and the ability to work effectively.
- To help the students to learn and practice both language and soft skills.
- To encourage the active involvement of students in learning process.
- To enable the students to cultivate a broad, human and cultured outlook.

CONTENTS

Semester III (Paper C)

Module I

A) Oral Skills

B) Phenomenal Woman – **Maya Angelou**

Module II

A) Conversation Skills

B) The Childless One – **Jai Nimbkar**

C) Those Winter Sundays – **Robert Hayden**

Module III

A) English for Competitive Examination – I

B) Four Minutes that get you Hired

–Connie Brown Glaser and Barbara Steinberg Smalley

Module IV

A) Stormy Arrival in South Africa – **Mohandas Karamchand Gandhi**

B) The Road Not Taken – **Robert Frost**

Semester IV (Paper D)

Module V

A) E-Communication

B) Breathing Spaces – **Rana Nayar**

Module VI

A) English for Competitive Examination – II

B) My Financial Career – **Stephen Leacock**

Module VII

A) English for Banking and Industries

B) Senor Payroll – **William E. Barrett**

Module VIII

A) The Verger – **Somerset Maugham**

B) I Am the People, the Mob – **Carl Sandburg**

C) One Day I Wrote Her Name – Edmund **Spenser**

Pattern of Question Paper

B.COM. PART II
ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)
(CBCS)

ENGLISH FOR BUSINESS COMMUNICATION
(Compulsory English)

PATTERN OF QUESTION PAPER (June 2019 Onwards)

Semester III (Paper C) **Total Marks 50**

Que. No.	Sub. Q.	Type of Question	Based on	Marks
Q.1.	A.	Four multiple choice questions with four alternatives to be set.	Prose and poetry	04
	B.	Answer in one word/Phrase/Sentence each.	Prose and poetry	04
Q.2.	A.	Answer the following questions in 3 - 4 sentences each (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write short notes on the following in about 7 - 8 sentences each (2 out of 3)	1 on Prose and 2 on Poetry	06
	C.	Two different Vocabulary exercises to be set for 2 marks each	Prose and poetry	04
Q.3.	A.	Question to be set on ORAL SKILLS	Module I A	05
	B.	Question to be set on ORAL SKILLS	Module I A	04
Q.4.	A.	Question to be set on CONVERSATION SKILL	Module II A	04
	B.	Question to be set on CONVERSATION SKILL	Module II A	04
Q.5	A.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – I	Module III A	05
	B.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – I	Module III A	04

Semester IV (Paper – D) **Total Marks 50**

Que. No.	Sub. Q.	Type of Question	Based on	Marks
Q.1.	A.	Four multiple choice questions with four alternatives to be set.	Prose and poetry	04
	B.	Answer in one word/Phrase/Sentence each.	Prose and poetry	04
Q.2.	A.	Answer the following questions in 3 - 4 sentences each (3 out of 5)	3 on Prose and 2 on Poetry	06
	B.	Write short notes on the following in about 7 - 8 sentences each (2 out of 3)	1 on Prose and 2 on Poetry	06
	C.	Two different Vocabulary exercises to be set for 2 marks each	Prose and poetry	04
Q.3.	A.	Question to be set on E-COMMUNICATION	Module V A	05
	B.	Question to be set on E-COMMUNICATION	Module V A	04
Q.4.	A.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – II	Module VI A	04
	B.	Question to be set on ENGLISH FOR COMPETITIVE EXAMINATION – II	Module VI A	04
Q.5.	A.	Question to be set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	05
	B.	Question to be set on ENGLISH FOR BANKING AND INDUSTRIES	Module VII A	04

Shivaji University, Kolhapur
Syllabus of B. Com. (SEM – III)
(To be introduced from June, 2019)

BUSINESS STATISTICS (PAPER-I)

Credits-4

Course Outcomes

After completion of this course, the student will be able to

1. Explain the scope of statistics in business, perform classification and tabulation, and represent the data by means of simple diagrams and graphs.
2. Explain and apply sampling techniques in real life.
3. Summarize data by means of measures of central tendency and dispersion.
4. Explain the merits and demerits of various measures of central tendency and dispersion.
5. Perform analysis of bivariate data using simple correlation and simple linear regression.

Unit 1: Introduction to Statistics **(15)**

1.1 Meaning of Statistics, Scope of Statistics in business.
1.2 Primary and secondary data, Discrete and continuous variables, Classification and its basis, Frequency and frequency distribution, Tabulation.
1.3 Diagrammatic representation: pie-chart, simple bar diagram, Graphical representation: histogram, ogive curves, Numerical problems.
1.4 Sampling: Definitions of population, sample, sampling, and census, Principle steps in sample survey, Advantages of sampling over census, Methods of sampling: simple random sampling (with and without replacement), stratified random sampling.

Unit 2: Measures of Central Tendency **(15)**

2.1 Concept of central tendency, Requirements of a good average.
2.2 Arithmetic mean (A. M.): Definition, Properties of A. M. (without proof), Combined A. M., Merits and demerits, Numerical problems.
2.3 Median and quartiles: Definitions, Merits and demerits of median, Numerical problems.
2.4 Mode: Definition, Merits and demerits, Empirical relation among mean, median, and mode, Numerical problems.

Unit 3: Measures of Dispersion **(15)**

3.1 Concept of dispersion, Requirements of a good measure of dispersion, Absolute and relative measures of dispersion.
3.2 Range, Coefficient of range, Merits and demerits of range, Numerical problems.
3.3 Quartile deviation (Q. D.), Coefficient of Q. D., Merits and demerits of Q. D., Numerical problems.
3.4 Standard deviation (S. D), Coefficient of S. D., Coefficient of variation, Variance, Merits and demerits of S. D., Numerical problems.

Unit-4: Analysis of Bivariate Data: Correlation and Regression (15)

4.1 Concept of correlation, Types of correlation.

4.2 Methods of studying correlation: Scatter plot, Karl Pearson's correlation coefficient (r), Interpretation of r (with special cases r = −1, 0, and 1), Spearman's Rank correlation coefficient (R), Numerical problems on computation of r and R (with and without ties) for ungrouped data.

4.3 Concept of regression.

4.4 Lines of regression, regression coefficients, relation between correlation coefficients and regression coefficient, Numerical problems on ungrouped data.

Reference Books:

1. Gupta S. P. (2018) *Statistical methods*, Sultan Chand and Sons.
2. Gupta C. B. and Gupta Vijay (2004) *An Introduction to Statistical Methods*, Vikas Publishing House Pvt Limited.
3. Desai S. S.(2017) *Business Statistics*, Jay-Gauri.
4. Kumbhojkar G. V. (2017) *Business Statistics,* Phadke Prakashan.
5. Gupta S. C. (2019) *Fundamentals of Statistics*, Himalaya Publishing House Pvt. Ltd.

Shivaji University, Kolhapur
Syllabus of B. Com. (SEM – IV)
(To be introduced from June, 2019)

BUSINESS STATISTICS (PAPER-II)

Credits-4

Course Outcomes

After completion of this course, the student will be able to

1. Compute unconditional and conditional probabilities and apply laws of probabilities.
2. Identify the applications of Binomial and normal distributions.
3. Measure trend and seasonal variations in time series data.
4. Compute and interpret simple and weighted index numbers.
5. Construct and apply variable and attribute control charts.

Unit 1: Probability and Probability Distributions (15)

1.1 Definitions of random experiment, sample space, event, equally likely events, mutually exclusive events, independent events, Classical definition of probability.

1.2 Definition of conditional probability, Addition and multiplication laws of probability (without proof), Numerical problems (without use of permutation and combination).

1.3 Binomial distribution: Probability mass function, Mean and variance (without proof), Simple numerical problems to find probability and parameters.

1.4 Normal distribution: Probability density function, Mean and variance (without proof), Properties of normal curve, Standard normal distribution, numerical problems to find probabilities for given area under standard normal curve.

Unit 2: Time Series Analysis (15)

2.1 Definition and uses of time series.

2.2 Components of time series.

2.3 Methods of measuring trend: method of semi-averages, method of moving averages, and method of least squares, Numerical problems.

2.4 Measurement of seasonal variations using simple average method, Numerical problems.

Unit 3: Index Numbers (15)

3.1 Need, meaning, and uses of index numbers, Applications of index numbers in share market, Price, quantity, and value index numbers.

3.2 Simple index numbers by simple aggregate method and simple average of relatives method (using A. M.), Numerical problems.

3.3 Weighted index numbers by Laspeyre's, Paasche's, and Fisher's formulae, Numerical problems.

3.4 Problems involved in construction of index numbers.

Unit 4: Statistical Quality Control **(15)**

4.1 Concept of statistical quality control (SQC), Advantages of SQC, Types of variability: chance cause variability and assignable cause variability.

4.2 Shewhart control chart and its construction.

4.3 Variable control charts: mean ($\bar{X}$) and range (R) charts, Numerical problems.

4.4 Attributes control charts: control chart for number of defectives (np-chart) for fixed sample size and control chart for number of defects per unit (c-chart), Numerical problems.

Reference Books:

1. Gupta S. P. (2018) *Statistical methods*, Sultan Chand and Sons.
2. Gupta C. B. and Gupta Vijay (2004) *An Introduction to Statistical Methods*, Vikas Publishing House Pvt Limited.
3. Desai S. S.(2017) *Business Statistics*, Jay-Gauri.
4. Kumbhojkar G. V. (2017) *Business Statistics,* Phadke Prakashan.
5. Gupta S. C. (2019) *Fundamentals of Statistics*, Himalaya Publishing House Pvt. Ltd.

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –III) (Draft Syllabus)

Tax Procedure & Practice – Paper VI

Title of Paper – INCOME TAX

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To understand the process and procedure of the Income Tax Act, 1961
2. To impart theoreotical knowledge of Income Tax
3. To acquaint students with post Asessment procedure and TDS provisions and procedure.

Unit – I	Income Tax Payment and fine of interest – a) Advance Tax b) Interest payble under section 234 ABC	10 Hours
Unit – II	Assessement Procedure – Inquiring before Assessment – Assessment U/S 143(1), Regular Assessment of U/S 143(2), Best Judgement Assessment, Income escaped Assessment, issue of notice where income has escaped assessment, Time Limit for notice, Time limit completion of Assessment, Re-assessment	20 Hours
Unit – III	Post Assessment Procedure – a) Refund – who can claim refund, form no 16 for refund, Time limit for claiming refund, refund on appeal interest refund b) Rectification of mistake c) Appeals and revisions – when an assessee can file appeal appellate authorities, procedure for filling appeal, filling appeal, Revision by Income Tax commissioner d) Penalties and Procedure – Procedure for impressing penalties, Waiver of penalty nature of default and panlties impossible.	20 Hours
Unit – IV	TDS provisions and Procedure – including TDS Tax collection of source provision and procedures.	10 Hours

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –IV) (Draft Syllabus)

Tax Procedure & Practice – Paper VIII

Title of Paper – INCOME TAX

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To impart theoreotical knowledge of TDS, TCS, Penalties and prosecutions
2. To develop the skills of solvin practical problems of TDS and TCS
3. To acquaint students with recent terms and conditions in Income Tax

Unit – I	**TDS** – Scheme of tax deduction at source, deduction of tax from salaries, interest other than interest on securities, winnings from horse races, from payments to contractors or sub contractors, from insurance commission, from commission or brokerage, from income by way of rent, on purchase of immovable property and on professional fees.	20 Hours
Unit – II	**TCS** – Scheme of tax collection at sourse, applicability, persons liable to collect TCS, rates of TCS and relevant provisions.	10Hours
Unit – III	**PENALTIES & PROSECUTIONS** – Penalties for default in brief, penalty for concealment / under-reporting of Income, procedure for imposition of penalty and time-limit for completion of penalty proceedings.	20 Hours
Unit – IV	**PRACTICAL PROBLEMS ON TDS & TCS** – Problems on calculation of TDS & TCS	10 Hours

B.Com.II
Semester III and IV (CBCS Pattern)
Tax Procedure and Practice - Income Tax
Nature of Question Paper

Total Marks : 50

Instructions :

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Theory - Short Notes (Any two out of four)	10 Marks
Q.2	Theory Broad Question	10 Marks
Q.3	Theory Broad Question	10 Marks
Q.3	Problems	
Q.5	Problems	10 Marks
Q.6	Problems	10 Marks
Q.7	Problems	10 Marks

Equivalence

Sr. No.	Old Name	New Name
1	Tax Procedure and Practice Income Tax Paper VI (Vocational)	Tax Procedure and Practice Income Tax Paper VI (CBCS)
2	Tax Procedure and Practice Income Tax Paper VIII (Vocational)	Tax Procedure and Practice Income Tax Paper VIII (CBCS)

Reference Books :

1. Students guide to Income Tax – Taxman
2. Direct Tax ready reckoner – Vinod Sighaniya
3. Income Tax – P.M. Herekar

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –III) (Draft Syllabus)
Tax Procedure & Practice – Paper V
Title of Paper – GST (SGST, IGST & CGST)

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To impart theoreotical knowledge of GST
2. To help students solve practical problems in GST
3. To acquaint students with the latest concepts and terms in GST.

Unit – I	Schedules under the Act(Schedule I.II and III under GST Act 2017) Levy & Collection of Tax (Scope of supply, Composite & mix supply, levy & collection)	10 Hours
Unit – II	Time & value of supply (Time of supply of goods, Time of supply of service, Value of Taxable supply schedules)	10 Hours
Unit – III	Determination of nature of Supply (Inter state Supply, Intra-state supply, Supplies in territorial water. Sec 7,8,9 of IGST Act) Sec. 10 & 11 of IGST Act Sec-10 Place of Supply of Goods other than supply of goods imported into, or exported from India. Sec. 11 – Place of Supply of Goods imported into or exported from India.	10 Hours
Unit – IV	Basic Problems – Problems to calculate SGST & CGST & Time & Value of supply.	30 Hours

Shivaji University, Kolhapur

B.Com.(CBCS Pattern)

Part – II (Semester –IV) (Draft Syllabus)
Tax Procedure & Practice – Paper VII
Title of Paper – GST

Generic Elective Course

Introduced From June 2019-20

Credit-4

Objectives-

1. To make aware the students regarding new amendments made in the Indirect taxation system of India i.e. GST
2. To give practice approach and implementation of GST provisions
3. To make aware about the key aspects under GST like place of supply of goods and services
4. To enhance the knowledge of students with the practical solutions and case studies under GST.

Unit – I	Composition levy (Conditions, applicability, Composition rate of tax etc. Reverse Charge Mechanism (RCM) – Applicability, Conditions	10 Hours
Unit – II	Input Tax Credit (Eligibility & conditions for taking Input Tax credit apportionment of credit & blocked credit)	20 Hours
Unit – III	**Sec 12** - Place of Supply of Goods or services or both. (Place of supply of services, where location of supplies & recipient in India. **Sec 13** - Place of Supply of services where location of supplier where location of supplier or location of recipient is outside India	20 Hours
Unit – IV	Basic Problems – Time of supply, value of supply, place of supply & ITC	10Hours

B.Com.II
Semester III and IV (CBCS Pattern)
Tax Procedure and Practice - GST
Nature of Question Paper

Total Marks : 50

Instructions :

1. All questions carry equal marks
2. Attempt any five questions out of seven

Q.1	Theory - Short Notes (Any two out of four)	10 Marks
Q.2	Theory Broad Question	10 Marks
Q.3	Theory Broad Question	10 Marks
Q.3	Problems	
Q.5	Problems	10 Marks
Q.6	Problems	10 Marks
Q.7	Problems	10 Marks

Equivalence

Sr. No.	Old Name	New Name
1	Tax Procedure and Practice GST (SGST, IGST & CGST) Paper V(Vocational)	Tax Procedure and Practice GST Paper V (CBCS)
2	Tax Procedure and Practice GST Paper VII (Vocational)	Tax Procedure and Practice Income Tax Paper VII (CBCS)

Reference Books :

1. GST made simple – Taxman
2. A birds eye view – Jain and Jha
3. Basics of GST – Taxman
4. GST guide for students – CA Vivek Agarwal

SHIVAJI UNIVERSITY, KOLHAPUR
CBCS SYLLABUS WITH EFFECT FROM JUNE 2019
B. Sc. Part-II Semester III
SUBJECT – STATISTICS - V
DSC-7C: Probability Distributions–I
Theory : 36 hrs. Marks-50 (Credit 02)

OBJECTIVES:

The main objective of this course is to acquaint students with the basic concepts of discrete distributions defined on countably infinite sample space, continuous univariate and bivariate distributions, transformation of univariate continuous random variable. By the end of course students are expected to be able to:

a) understand concept of discrete and continuous distributions with real life situations.
b) distinguish between discrete and continuous distributions.
c) find various measures of r.v. and probabilities using it's probability distribution.
d) know the relations among the different distributions.
e) understand the concept of transformation of univariate and bivariate continuous random variable.

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Discrete Distributions: Poisson, Geometric and Negative Binomial Distribution: Definition of random variable (defined on countably infinite sample space). Poisson Distribution: Definition of Poisson with parameter λ. mean, variance, probability generating function (p.g.f.). Recurrence relation for successive probabilities, Additive property of Poisson distribution. Poisson distribution as a limiting case of Binomial distribution, examples. Geometric Distribution: Definition of Geometric with parameter p, mean, variance, distribution function, p. g. f., Lack of memory property, examples. Negative Binomial Distribution: Definition of Negative Binomial with parameters (k, p), Geometric distribution is a particular case of Negative Binomial distribution, mean, variance, p.g.f., Recurrence relation for successive probabilities, examples.

1.2 Continuous Univariate Distribution: Definition of the continuous sample space with illustrations, Definition of continuous random variable (r.v.), probability density function (p.d.f.), cumulative distribution function (c.d.f.) and its properties. Expectation of r.v., expectation of function of r.v., mean, median, mode, quartiles, variance, harmonic mean, raw and central moments, skewness and kurtosis, examples. Moment generating function (m.g.f.): definition and properties (i) Standardization property $M_X(0) = 1$, (ii) Effect of change of origin and scale, (iii) Uniqueness property of m. g. f., if exists, (statement only). Generation of raw and central moments. Cumulant generating function (c.g.f.): definition, relations between cumulants and central moments (up to order four). Examples.

Unit-2: **(18 hrs.)**

2.1 Continuous Bivariate Distribution: Definition of bivariate continuous r. v. (X, Y), Joint p.d.f., c.d.f. with properties, marginal and conditional distribution, independence of r.vs., evaluation of probabilities of various regions bounded by straight lines. Expectation of function of r.v., means, variances, covariance, correlation coefficient, conditional expectation, regression as conditional expectation if it is linear function of other variable, conditional variance, proof of i) $E(X \pm Y) = E(X) \pm E(Y)$, ii) $E[E(X/Y)] = E(X)$. If X and Y are independent r. vs. then (i) $E(XY) = E(X)\,E(Y)$, (ii) $M_{x+y}(t) = M_x(t) \times M_y(t)$. Examples.

H.Vkul 12/3/2019

2.2 Transformations of continuous random variable: Transformation of univariate continuous r. v.: Distribution of $Y = g(X)$, where g is monotonic or non-monotonic

functions using (i) Jacobian of transformation, (ii) Distribution function and (iii) M.g.f. methods. Transformation of continuous bivariate r. vs.: Distribution of bivariate r. vs. using Jacobian of transformation. Examples and problems.

References and Recommended Readings

1. Parimal Mukhopadhyaya: An Introduction to the Theory of Probability. World Scientific Publishing.
2. Hogg R. V. and Criag A.T.: Introduction to Mathematical Statistics (Third edition), Macmillan Publishing, New York.
3. Gupta S. C. & Kapoor V.K.: Fundamentals of Mathematical Statistics. Sultan Chand & sons, New Delhi.
4. Goon, A.M., Gupta M.K. and Dasgupta B: Fundamentals of Statistics Vol. I and Vol. II World Press, Calcutta.
5. Mood A.M., Graybill F.A.: Introduction to theory of Statistics. (Chapter II, IV, V, VII) and Boes D.C. Tata, McGraw Hill, New Delhi. (Third Edition)
6. Walpole R.E. & Mayer R.H.: Probability & Statistics. (Chapter 4, 5, 6, 8, 10) MacMillan Publishing Co. Inc, New York.

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SHIVAJI UNIVERSITY, KOLHAPUR
CBCS SYLLABUS WITH EFFECT FROM JUNE 2019
B. Sc. Part-II Semester III
SUBJECT – STATISTICS - VI
DSC-8C: Statistical Methods-I
Theory : 36 hrs. Marks-50 (Credit 02)

OBJECTIVES:

The main objective of this course is to acquaint students with the basic concepts of Multiple Linear Regression, Multiple and Partial Correlation, Sampling Theory and Demography.

By the end of the course students are expected to be able to:

a) understand the concept of Multiple Linear Regression.
b) understand the concept of Multiple Correlation and Partial Correlation.
c) know the concept of sampling theory.
d) understand the need of vital statistics and concept of mortality and fertility.

CONTENTS:

Unit 1: **(18 hrs.)**

1.1 Multiple Linear Regression (for trivariate data only): Concept of multiple linear regression, plane of regression, Yule's notation, correlation matrix, fitting of regression plane by method of least squares, definition of partial regression coefficient and their interpretation. Residual: definition, order, properties, derivation of mean and variance, covariance between residuals.

1.2 Multiple and Partial Correlation (for trivariate data only): Concept of multiple correlation. Definition of multiple correlation coefficient $R_{i.jk}$, derivation of formula for multiple correlation coefficient $R_{i.jk}$. Properties of multiple correlation coefficient; i) $0 \leq R_{i.jk} \leq 1$, (ii) $R_{i.jk} > |r_{ij}|$, (iii) $R_{i.jk} > |r_{ik}|$ $i = j = k = 1, 2, 3$. $i \neq j$, $i \neq k$. Interpretation of $R_{i.jk} = 1$, $R_{i.jk} = 0$, coefficient of multiple determination $R^2_{1.23}$. Concept of partial correlation. Definition of partial correlation coefficient $r_{ij.k}$, derivation of formula for $r_{ij.k}$. Properties of partial correlation coefficient; (i) $-1 \leq r_{ij.k} \leq 1$, (ii) $b_{ij.k} \times b_{ji.k} = r^2_{ij.k}$. Examples and problems.

Unit-2: **(18 hrs.)**

2.1 Sampling Theory: Concept of distinguishable elementary units, sampling units, sampling frame, random sampling and non-random sampling. Advantages of sampling method over census method, Objectives of a sample survey, Designing a

questionnaire, Characteristics of a good questionnaire, Concept of sampling and non-sampling errors, Handling of non-response cases. Simple random sampling - Simple random sampling from finite population of size N with replacement (SRSWR) and without replacement (SRSWOR): Definitions, population mean and population total as parameters. Following results with proof.

i. In SRSWOR, the probability of a specified unit being selected in sample at any given draw is equal to 1/N.
ii. In SRSWOR, the probability of a specific unit included in the sample is n/N.
iii. In SRSWOR, the probability of drawing a sample of size 'n' from a population of size N units is $\frac{1}{\binom{N}{n}}$.
iv. In SRSWR, the probability of a specific unit included in the sample is $1-\left(1-\frac{1}{N}\right)^n$.
v. In SRSWR, the probability of drawing a sample of size n from a population of size N units is $\frac{1}{N^n}$.

2.2 Demography: Introduction and need of vital statistics. Mortality Rates: Crude death rate (CDR), Specific Death Rate (SDR), Standardized Death Rate (STDR). Fertility Rates: Crude Birth Rate (CBR), Age Specific Fertility Rate (ASFR), General Fertility Rate (GFR), Total Fertility Rate (TFR). Reproduction Rate: Gross Reproduction rate (GRR), Net Reproduction Rate (NRR).

References and Recommended Readings

1. Cochran, W.G: Sampling Techniques, Wiley Eastern Ltd., New Delhi.
2. Des Raj: Sampling Theory.
3. Gupta S.C. and Kapoor V. K., "Fundamentals of Applied Statistics", Sultan and Chand, (2010).
4. Mukhopadhay, Parimal: Theory and Methods of Survey Sampling, Prentice Hall.
5. Srivastav D. S: A Text book of Demography.
6. Sukhatme, P.V. and Sukhatme, B.V.: Sampling Theory of Surveys with Applications, Indian Society of Agricultural Statistics, New Delhi.

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SHIVAJI UNIVERSITY, KOLHAPUR
CBCS SYLLABUS WITH EFFECT FROM JUNE 2019
B. Sc. Part-II Semester IV
SUBJECT – STATISTICS - VII
DSC-7D: Probability Distributions-II
Theory : 36 hrs. Marks-50 (Credit 02)

OBJECTIVES:

The main objective of this course is to acquaint students with the Uniform, Exponential, Gamma and Beta, Normal distributions and Exact Sampling distributions.

By the end of the course students are expected to be able to:

a) know some standard continuous probability distributions with real life situations.
b) distinguish between various continuous distributions.
c) find the various measures of continuous random variable and probabilities using its probability distribution.
d) understand the relations among the different distributions.
e) understand the Chi-Square, t and F distributions with their applications and inter relations.

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Uniform and Exponential Distribution: Uniform distribution: Definition of Uniform distribution over (a, b), c.d.f., m.g.f., mean, variance, moments. Distribution of (i) (X-a) / (b-a), ii) (b-X) / (b-a), (iii) Y = F(x) where F(x) is c.d.f. of any continuous r.v.

Exponential distribution: p.d.f. (one parameter),

$$f(x) = \theta e^{-\theta x}, x \geq 0, \theta > 0$$
$$= 0 \quad , o.w$$

c.d.f., m.g.f., c.g.f., mean, variance, C.V., moments, cumulants, median, quartiles, lack of memory property, distribution of $-(1/\theta)\log X$ where $X \sim U(0, 1)$.

1.2 Gamma and Beta Distributions: Gamma distribution: Gamma distribution with scale parameter θ and shape parameter n, special case $\theta = 1$, $n = 1$, m.g.f., c.g.f., mean, mode, variance, moments, cumulants, β_1, β_2, γ_1 and γ_2 coefficients, additive property: distribution of sum of i.i.d. exponential variates.

Beta distribution of first kind: Beta distribution of first kind with parameters m & n. mean, mode, variance, symmetric when m = n, uniform distribution as a particular case when m = n = 1, distribution of (1-X).

Beta distribution of second kind: Beta distribution of second kind with parameters m & n. mean, mode, variance, relation between beta distribution of first kind and second kind, distribution of X+Y, X/Y and X/(X+Y) where X and Y are independent gamma variate.

Unit-2: **(18 hrs.)**

2.1 Normal distribution: Normal distribution with parameters μ & σ^2, Definition of standard normal distribution, properties of normal curve, m.g.f., c.g.f., mean, variance, median, mode, mean deviation, moments, cumulants, measures of skewness & kurtosis, distribution of linear combination of variates. Distribution of X^2 if $X \sim N(0, 1)$.

2.2 Exact Sampling Distributions: Chi-Square distribution: Definition of chi-square, derivation of p.d.f. of chi square distribution with n degrees of freedom using m.g.f., mean, variance, mode, moments, c.g.f., cumulants, skewness and kurtosis, additive property.

Student's t- distribution: Definition of student's t variate. Derivation of p.d.f., mean, mode, variance, moments, β_1, β_2, γ_1 and γ_2 coefficients.

Snedecor's F distribution: Definition of F variate, derivation of p.d.f., mean, variance and mode. Distribution of 1/F. Inter relation between t, F and χ^2 (Without Proof).

References and Recommended Readings

1. Trivedi R. S.: Probability and Statistics with Reliability and Computer Science Application, Prentice – Hall of India Pvt. Ltd., New Delhi.
2. Parimal Mukhopadhyaya: An Introduction to the Theory of Probability. World Scientific Publishing.
3. Hogg R.V. and Criag A.T.: Introduction to Mathematical Statistics (Third edition), Macmillan Publishing, New York.
4. Goon, A.M., Gupta M.K. and Dasgupta B: Fundamentals of Statistics Vol. I and Vol. II World Press, Calcutta.
5. Gupta S. C. & Kapoor V.K.: Fundamentals of Mathematical Statistics. Sultan Chand & sons, New Delhi.
6. Gupta S. C. & Kapoor V.K.: Applied Statistics. Sultan Chand & sons, New Delhi.
7. Mood A.M., Graybill F.A.: Introduction to theory of Statistics. (Chapter II, IV, V, VII) and Boes D.C. Tata, McGraw Hill, New Delhi. (Third Edition)

8. Walpole R.E. & Mayer R.H.: Probability & Statistics. (Chapter 4, 5, 6, 8, 10) MacMillan Publishing Co. Inc, New York

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SHIVAJI UNIVERSITY, KOLHAPUR
CBCS SYLLABUS WITH EFFECT FROM JUNE 2019
B. Sc. Part-II Semester IV
SUBJECT – STATISTICS -VIII
DSC-8D: Statistical Methods-II
Theory : 36 hrs. Marks-50 (Credit 02)

OBJECTIVES:

The main objective of this course is to acquaint students with the concepts of Time Series, Reliability Theory, Statistical Quality Control, Testing of Hypothesis.

By the end of the course students are expected to be able to:

a) know the concept and use of time series.

b) understand the meaning, purpose and use of Statistical Quality Control, construction and working of control charts for variables and attributes

c) apply the small sample tests and large sample tests in various situations.

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Time Series: Meaning and need of time series analysis, components of time series; (i) Secular trend (ii) Seasonal variation (iii) Cyclical variation (iv) Irregular variation, Additive and Multiplicative model, utility of time series. Measurement of trend: (i) Moving averages method (ii) Progressive average method (iii) Least square method. (iv) Measurement of seasonal indices by simple average method.

1.2 Statistical Quality Control: Meaning and purpose of S.Q.C., Process control, Product control, chance causes, assignable causes, Shewhart's control chart-construction & working, lack of control situation. Control charts for variables - control chart for mean, control chart for range, construction and working of mean & range charts for unknown standards, revised control limits. Control charts for Attributes – Defects, defectives, fraction defective, control chart for fraction defective (p-chart) for fixed sample size and unknown standards, construction and working of chart. Control charts for number of defects (C-chart) for unknown standards, construction and working of C-chart.

Unit 2: **(18 hrs.)**

2.1 Testing of Hypothesis-I: Notion of Population, Sample, Parameter, Statistic, Derivation of sampling distribution of Statistic $\bar{X}$ and S^2 when sample is from normal distribution, hypothesis, simple and composite hypothesis, null and alternative hypothesis, type I and type II errors, critical region, level of significance. one and two tailed test, power of test.

Large Sample Tests: General procedure of testing of hypothesis. a) Tests for means: i) testing of population mean; H_0: $\mu = \mu_0$, ii) testing equality of population means; H_0: $\mu_1 = \mu_2$ b) Tests for Proportion: i) testing of population proportion; H_0: $P = P_0$ ii) testing equality of population proportion; H_0:$P_1 = P_2$ c) test for population correlation: i) H_0: $\rho = \rho_0$ ii) H_0: $\rho_1 = \rho_2$ (by Z-transformation)

2.2 Testing of Hypothesis-II (Small sample Tests): Definition of Fisher's t- variate, t- test: a) test for means: i) H0: $\mu = \mu_0$, ii) H_0: $\mu_1 = \mu_2$, $(\sigma_1^2 = \sigma_2^2)$, iii) Paired t- test, χ^2 – test: i) test for population variance H_0: $\sigma^2 = \sigma_0^2$ (Mean known and unknown),

ii) test for goodness of fit, iii) test for independence of attributes; a) m x n contingency table, b) 2 x 2 contingency table-Test statistic with proof, Yate's correction for continuity.

F – test: test for equality of two population variances H_0: $\sigma_1^2 = \sigma_2^2$.

References and Recommended Readings

1. Barlow R. E. and Proschan Frank, "Statistical Theory of Reliability and Life Testing", Holt Rinebart and Winston Inc., New Yark.
2. Chatfield C. "The Analysis of Time Series –An Introduction", Chapman & Hall, 2004.
3. Gupta S. C. & Kapoor V. K., "Fundamentals of Applied Statistics", Sultan Chand & Sons, New Delhi.
4. Kendall M.G. "Time Series", Charles Griffin, 1978.
5. Montgomery D. C. "Introduction to Statistical Quality Control", John Wiley and sons, 2009.
6. Sinha S. K., "Reliability and Life Testing", Second Edition, Wiley Eastern Publishers, New Delhi.
7. Snedecor G.W. and Cochoran W. G. "Statistical Methods", Lowa State University Press.

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Equivalence for Theory Papers

Old Syllabus		Revised Syllabus	
Semester No. Paper No.	**Title of the Paper**	**Semester No. Paper No.**	**Title of the Paper**
Semester III Paper V	Probability Distributions-I	Semester III DSC – 7C **STATISTICS - V**	Probability Distributions-I
Semester III Paper VI	Statistical Methods-I	Semester III DSC – 8C **STATISTICS - VI**	Statistical Methods-I
Semester IV Paper VII	Probability Distributions-II	Semester IV DSC – 7D **STATISTICS - VII**	Probability Distributions-II
Semester IV Paper VIII	Statistical Methods-II	Semester IV DSC – 8D **STATISTICS - VIII**	Statistical Methods-II

SHIVAJI UNIVERSITY, KOLHAPUR
CBCS SYLLABUS WITH EFFECT FROM JUNE 2019
B. Sc. Part-II
SUBJECT – STATISTICS -Practical
Practical: 192 hrs. Marks-100 (Credit 04)

OBJECTIVES:

By the end of the course students are expected to be able to:

a) compute probabilities of standard probability distributions.

b) compute the expected frequencies and test the goodness of fit.

c) understand how to obtain random sample from standard probability distribution and sketch of the p.m.f./p.d.f. for given parameters.

d) fit plane of multiple regression and compute multiple and partial correlation coefficients.

e) draw random samples by various sampling methods

f) construct various control charts.

g) understand the applications of Poisson, Geometric and Negative Binomial distributions.

Practical – II (Credit 02)

1. Fitting of Discrete Uniform distribution.
2. Fitting of Binomial distribution.
3. Fitting of Hypergeometric distribution.
4. Fitting of Poisson distribution.
5. Fitting of Geometric distribution.
6. Fitting of Negative Binomial distribution.
7. Model sampling from Discrete Uniform distribution.
8. Model sampling from Binomial distribution.
9. Model sampling from Hypergeometric distribution.
10. Model sampling from Poisson distribution.
11. Model sampling from Geometric distribution.
12. Model sampling from Negative Binomial distribution.
13. Fitting of Continuous Uniform distribution.
14. Fitting of Exponential distribution.
15. Fitting of Normal distribution.
16. Model sampling from Continuous Uniform distribution.
17. Model sampling from Exponential distribution.
18. Model sampling from Normal distribution using: (i) Normal table and (ii) Box-Muller transformation.
19. Fitting of Binomial, Poisson & Negative Binomial distribution using MS-EXCEL.
20. Fitting of Exponential & Normal distribution using MS-EXCEL.

Practical – III (Credit 02)

1. Applications of Poisson distribution.
2. Applications of Geometric and Negative Binomial distributions.
3. Application of Exponential & Normal distribution.
4. Multiple regression.
5. Multiple correlation.
6. Partial correlation.
7. Simple random sampling.
8. Demography I (Mortality rates).
9. Demography II (Fertility and Reproduction rates).
10. Time Series. (Trend by moving average method & least square method, Seasonal indices by simple average method.)
11. Construction of R and $\overline{X}$ charts.
12. Construction of P and C charts.
13. Large sample tests for means.
14. Large sample tests for proportions.
15. Tests for population correlation coefficients. (Using Fisher's Z transformation.)
16. Tests based on Chi-square distribution. (Test for population variance, Test for goodness of fit, Tests for independence.)
17. Tests based on t distribution. ($\mu = \mu_0$, $\mu_1 = \mu_2$; paired t test)
18. Tests based on F distribution. ($\sigma_1 = \sigma_2$)
19. Sketch of discrete distributions: Binomial, Poisson, Geometric and Negative Binomial distribution for various parameters using MS-EXCEL.
20. Sketch of continuous distributions: Exponential, Gamma and Beta distributions for various parameters using MS-EXCEL.

Note:
1. For fitting of all distributions, test of goodness of fit is necessary.
2. For model sampling from all distributions, inverse c.d.f. transformation method has to be used in Practical - II.
3. For experiment no.1 to 6 in Practical II, Probabilities has to be calculated by recurrence relation only.
4. There should be at least FOUR problems in each experiment.
5. Computer printout is to be attached to the journal for the experiment based on MS-EXCEL.
6. Observation table and/or calculations using statistical formulae should be done by MS-EXCEL and verify by using library functions for the experiment based on MS-EXCEL.
7. Student must complete the entire practical to the satisfaction of the teacher concerned.
8. Student must produce the laboratory journal along with the completion certificate signed by Head of Department, at the time of practical examination.
9. There will be study tour or case study. A report on the same has to be submitted by every student along with the journal.

Laboratory requirements:

Laboratory should be well equipped with sufficient number of electronic calculators and computers along with necessary software, printers and UPS.

Nature of Practical Question Paper of B. Sc. Part – II.

a) Each practical paper is of 50 marks, containing four questions each of 20 marks and students has to solve any two questions. There should be one sub-question of 10 marks based on MS-EXCEL in any one of the four questions.
b) Evaluation of question based on MS- EXCEL will be online and should be demonstrated by the student to the examiner.
c) 5 marks are reserved for journal and 5 marks are reserved for oral in practical paper-II examination.
d) 5 marks are reserved for journal and 5 marks are reserved for study tour report/Case study in practical paper- III examination.
e) Practical examination is of 4 hours duration which includes oral as well as online demonstration.
f) There should be two subject experts at the time of practical examination.

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(Dr. S. G. Phadnis)
22nd June 19

12/3/2019

SHIVAJI UNIVERSITY, KOLHAPUR.

A

Accredited By NAAC

(2020)

Revised Syllabus For

Bachelor of Science (Part III) Statistics

Syllabus to be implemented from June 2020 onwards

Shivaji University, Kolhapur
B. Sc. III Statistics
Structure of the course
To be implemented from June 2020
Theory

Semester V

Paper. No.	Title of the paper	Total Marks
IX	Probability Distributions	50
X	Statistical Inference - I	50
XI	Designs of Experiments	50
XII	R Programming and Quality Management	50

Semester VI

Paper. No.	Title of the paper	Total Marks
XIII	Probability Theory and Applications	50
XIV	Statistical Inference - II	50
XV	Sampling Theory	50
XVI	Operations Research	50

Practical

Paper No.	Title of the Practical	Marks for Practical	Journal	Oral	Total Marks
IV	Probability Distributions	32	4	4	40
V	Statistical Inference	32	4	4	40
VI	Designs of Experiments and Sampling Methods	32	4	4	40
VII	R Programming, Quality Management and Operations Research	32	4	4	40
	A Project Report & Viva -voce	40	-	-	40

1. Nature of Project

(i) Identification of problem where statistical techniques can be used.

(ii) Planning and execution of data collection.

(iii) The Marking system for the project work is as follows:

- Data Collection : 8 Marks
- Use of Statistical Tools : 8 Marks
- Analysis of Data : 8 Marks
- Conclusion : 8 Marks
- Viva on Project : 8 marks

(iv) Project in B.Sc. III will be conducted in a group of 5 to 6 students.

2. Nature of Question papers (Theory)

COMMON NATURE OF QUESTION FOR THEORY PAPER MENTIONED SPERATELY:

3. Nature of practical papers :

(i) Each practical question paper must contain **Four** questions.

(ii) Each question should contain **Two** bits from different units.

(iii) Student should attempt **Any Two** questions.

(iv) Each question should carry **16** marks and to be distributed according to following points:

(a) Aim of the Experiment : 2 Marks

(b) Statistical formulae : 4 Marks

(c) Observation Tables : 4 Marks

(d) Calculations : 4 Marks

(e) Conclusion/ result of the experiment : 2 Marks.

(v) In each practical paper, four marks are reserved for journal and four marks are reserved for oral.

4. Instructions:

(i) While attempting questions based on R-software students have to write the commands of R-software on their Answer-book. Final result should be shown to the examiner online or the printout may be attached.

(ii) Duration of each practical paper should be of four hours.

(iii) Student can use MS-Excel or electronic calculators for other practical.

5. Requirements:

(i) There should be two subject experts at the time of practical examination.

(ii) Laboratory should be well equipped with 20 scientific calculators, 20 computers, 2 printers with sufficient backup facility (UPS/ Inverter /Generator)

EQUIVALENCE FOR THEORY PAPERS

(From June 2020)

Old Syllabus		**Revised Syllabus**	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
Sem.V / P. IX	Probability Distributions	Sem.V / P. IX DSE-E13	Probability Distributions
Sem. V/ P.X	Statistical Inference - I	Sem. V/ P.X DSE-E14	Statistical Inference - I
Sem. V / P XI	Design of Experiments	Sem. V / P XI DSE-E15	Design of Experiments
Sem. V / P XII	Operations Research	Sem. V / P XII DSE-E16	R Programming and Quality Management
Sem. VI / P XIII	Probability Theory	Sem. VI / P XIII DSE-F13	Probability Theory and Applications
Sem. VI / P XIV	Statistical Inference - II	Sem. VI / P XIV DSE-F14	Statistical Inference - II
Sem. V / P XV	Sampling Theory	Sem. V / P XV DSE-F15	Sampling Theory
Sem. VI / P XVI	Quality Management and Data Mining	Sem. VI / P XVI DSE-F16	Operations Research

EQUIVALENCE FOR PRACTICAL PAPERS

(From June 2020)

Old Syllabus		**Revised Syllabus**	
Paper No.	**Title of the Practical Paper**	**Paper No.**	**Title of the Practical Paper**
IV	Probability Distributions and R software	IV	Probability Distributions
V	Statistical Inference	V	Statistical Inference
VI	Design of Experiments and Sampling Methods	VI	Design of Experiments and Sampling Methods
VII	Operations Research and Quality Management	VII	R Programming, Quality Management and Operations Research

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - IX

DSE-E13: Probability Distributions

Theory: 36 hours. Marks-50 (Credit 02)

Course Outcomes: The students will acquire

a) knowledge of important univariate distributions such as Laplace, Cauchy, Lognormal, Weibull, Logistic, Pareto, Power Series Distribution.

b) knowledge of Multinomial and Bivariate Normal Distribution.

c) knowledge of Truncated Distributions.

d) Information of various measures of these probability distributions.

e) acumen to apply standard continuous probability distributions to different situations.

Unit-1: Univariate and Multivariate Probability Distributions (18 hours)

1.1: Laplace (Double Exponential) Distribution: P. d. f. with parameters (μ, λ), Nature of the probability curve, Distribution function, quartiles, m. g. f., mean, variance, moments, β_1, β_2, γ_1 and γ_2, Laplace distribution as the distribution of the difference of two i. i. d. exponential variates with parameter θ, examples and problems.

1.2 : Lognormal Distribution: P.d.f. with parameters (μ, σ^2), Nature of the probability curve, mean, variance, median, mode, moments, β_1, β_2, γ_1 and γ_2 coefficients, Relation with N(μ, σ^2), examples and problems.

1.3: Cauchy Distribution: P. d. f. with parameters (μ, λ), nature of the probability curve, distribution function, quartiles, non-existence of moments, additive property for two independent Cauchy variates (statement only), statement of distribution of the sample mean, relationship with uniform and Students 't' distribution, distribution of X/Y where X and Y are i. i. d. N(0, 1), examples and problems.

1.4: Weibull Distribution: P. d. f. with parameters (α, β), distribution function, quartiles, mean and variance, coefficient of variation, relation with gamma and exponential distribution, examples and problems.

1.5: Logistic distribution: P.d.f. with parameters (μ, σ), distribution function, mean, mode, variance, skewness using mode, applications.

1.6: Pareto distribution: P.d.f. with parameters (α, β), mean, variance, mode, skewness using mode, applications.

1.7: Power series distribution: P.m.f., mean, mode, variance, Binomial, Poisson, Geometric and Negative Binomial distribution as particular case of power series distribution.

1.8: Multinomial distribution: P.m.f, m.g.f., marginal distribution, mean, variance, covariance, variance and covariance matrix, correlation coefficient, additive property, Trinomial distribution as particular case of multinomial distribution.

Unit-2: Truncated Distributions and Bivariate Normal Distribution: (18 hours)

2.1: Truncated distribution as conditional distribution, truncation to the right, left and on both sides. Binomial distribution B(n, p) left truncated at X = 0 (value zero not observable): p.m.f, mean, variance. Poisson distribution P(λ), left truncated at X = 0 (value zero not observable): p.m.f., mean and variance. Normal distribution N(μ, σ^2) truncated (i) to the left below a, (ii) to the right above b, (iii) to the left below a and to the right above b, its p.d.f. and mean. Exponential distribution with parameter θ left truncated below a : p.d.f., mean and variance. Examples and problems on above distributions.

2.2: Bivariate Normal Distribution: p.d.f. of BN (μ_1, μ_2, σ_1^2, σ_2^2, ρ), Marginal and conditional distributions, identification of parameters, conditional expectation and conditional variance, regression of Y on X and of X on Y., independence and uncorrelated-ness imply each other, m. g. f and moments. Distribution of aX + bY + c, where a, b and c are real numbers. Cauchy distribution as the distribution of Z = X/Y where (X, Y) ~ BN(0, 0, σ_1^2, σ_2^2, ρ). Examples and problems.

Books Recommended:

1. Cramer H.: Mathematical Methods of Statistics, Asia Publishing House, Mumbai.
2. Mood, A. M., Graybill K, Bose. D. C.: Introduction to Theory of Statistics. (Third edition) Mc-Graw Hiil Series.
3. Lindgren B. W.: Statistical Theory (Third Edition), Collier Macmillan International Edition, Macmillan Publishing Co. Inc. New York. 4. Hogg, R. V. and Craig A. T. : Introduction to Mathematical Statistics (Third Edition), Macmillan Publishing Company, Inc. 866, 34d Avenue, New York, 10022.
5. Sanjay Arora and Bansi Lal : New Mathematical Statistics (First Edition), Satya Prakashan, 16/17698, New Market, New Delhi, 5 (1989).
6. Gupta S. C and Kapoor V. K. : Fundamentals of Mathematical Statistics, Sultan Chand and Sons, 88, Daryaganj, New Delhi 2.

7. Rohatgi V. K.: An Introduction to Probability Theory and Mathematical Statistics, Wiley Eastern Ltd., New Delhi.
8. Feller. W. : An Introduction of Probability Theory and its Applications, Wiley Eastern Ltd.. Mumbai.
9. Jhonson and Kotz: Continuous Univariate Distributions I and II
: Discrete Distributions
: Multivariate Distributions
10. Bhat B. R.: Modern Probability Theory. New Age International.

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - X

DSE-E14: Statistical Inference-I

Theory: 36 hours. Marks-50 (Credit 02)

Unit 1: Point Estimation: (18 hours)

1.1: Introduction: Notion of a parameter, parameter space, general problem of estimation, estimating an unknown parameter by point and interval estimation.

1.2: Point estimation: Definition of an estimator (Statistic) and its Standard Error, distinction between estimator and estimate.

1.3: Properties of estimator:

1.3.1: Unbiased estimator, Biased estimator, Positive and Negative Bias, examples of unbiased and biased estimator, Proof of the results:

a) Two distinct unbiased estimators of $\Psi(\theta)$ give rise to infinitely many unbiased Estimators of $\Psi(\theta)$

b) If T is an unbiased estimator of θ then $\Psi(T)$ is an unbiased estimator of $\Psi(\theta)$ provided $\Psi(.)$ is a linear function.

Sample variance is a biased estimator of the population variance. Illustrations of unbiased estimators for parameter and parametric function.

1.3.2: Relative efficiency of T_1 with respect to T_2, where T_1 and T_2 are unbiased estimators. Use of mean square error to modify the above definition for biased estimators. Minimum Variance Unbiased Estimator (MVUE) and Uniformly Minimum Variance Unbiased Estimator (UMVUE), Uniqueness of UMVUE whenever it exists.

1.3.3: Consistency: Definition, Proof of the following:

a) Sufficient condition for consistency,

b) If T is consistent for ɵ and Ψ (.) is a continuous function, then Ψ (T) is consistent for Ψ (ɵ).
Likelihood function: Definition of likelihood function as a function of the parameter ɵ based on a random sample from discrete and continuous distributions.

1.3.4: Sufficiency: Concept of sufficiency, Definition of sufficient statistic through conditional distribution of the sample given the statistics. Neyman factorization criterion, Pitmann-Koopman form which admits sufficient statistic. Properties of sufficient statistic:

a) If T is sufficient for ɵ then Ψ (T) is also sufficient for ɵ provided Ψ (.) is a **one to one** function.

b) If T is a sufficient for ɵ then T is sufficient for Ψ (ɵ).

Unit 2. Cramer Rao Inequality and Methods of estimation: (18 hours)

2.1: Fisher Information function: Definition of Information function, amount of information contained in a sample, Statement regarding equality of the information in $(x_1, x_2, \ldots, x_n)$ and in a sufficient statistic T, concept of minimal sufficient statistic with illustrations to exponential family.

2.2: Cramer Rao Inequality: Statement and proof of Cramer Rao Inequality. Definition of Minimum Variance Bound Unbiased Estimator (MVBUE) of Ψ(ɵ). Proof of the following results:

a) If MVBUE exists for ɵ then MVBUE exists for Ψ(ɵ), if Ψ(.) is a linear function.

b) If T is MVBUE for ɵ then T is sufficient for ɵ.

2.3: Methods of Estimation:

2.3.1: Method of Maximum Likelihood: Definition, Derivation of Maximum Likelihood Estimators (MLE) for parameters of standard distributions. Properties of MLE:

(i) Invariance property (With Proof),

(ii) MLE is a function of sufficient statistics,

(iii) Non-uniqueness property of MLE (With counter examples).

(iv) MLE's are asymptotically normally distributed. (Without Proof)

2.3.2: Method of Moments: Derivation of moment estimators for standard distributions. Illustrations of situations where MLE and moment estimators are distinct and their comparison using mean square error (for uniform distribution).

Books Recommended:

1. Kale B. K. : A first course in Parametric Inference
2. Rohatgi V. K.: Statistical Inference
3. Rohatgi V. K. : An introduction to Probability Theory and Mathematical Statistics
4. Saxena H. C. and Surendreran: Statistical Inference

5. Lehmann E. L.: Theory of Point Estimation
6. Dudewicz C. J. and Mishtra S. N. : Modern Mathematical Statistcs
7. Cassela G. and Berger R. L. Statistical Inference
8. Dixit P. G. Patil S.M. Prayag V. R. and Sunde N. J.: Inference: Theory of Estimation.
9. A. Santhakumaran: Fundamentals of Testing of Statistical Hypothesis
10. Manojkumar Srivastava, Namita Srivastava: Statistical Inference

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - XI

DSE-E15: Design of Experiments

Theory: 36 hours. Marks-50 (Credit 02)

Unit 1: Simple Designs of Experiments: (18 hours)

1.1: Basic Concepts:

i) Basic terms in design of experiments: Experimental unit, treatment, layout of an experiment.

ii) Basic principles of design of experiments: Replication, randomization and local control.

iii) Choice of size and shape of a plot for uniformity trials, the empirical formula for the variance per unit area of plots.

1.2: Completely Randomized Design (CRD):

i) Application of the principles of design of experiments in CRD, layout, mathematical model assumptions and interpretations.

ii) Estimation of parameters, Standard Error(SE), estimate of σ as square root of Mean Error Sum of Square. Expected values of mean sum of squares, components of variance.

iii) Breakup of total sum of squares into components.

iv) Visual inspection of treatment effects using treatment wise BOX-PLOT's

v) Technique of one way analysis of variance (ANOVA) and its applications to CRD.

vi) Statement of Chochran's theorem (without proof) for justification of F-test. Tests for equality for treatment effects and its interpretation. Test for equality of two specified treatment effects using Critical Difference(CD)

vii) Model adequacy check using residual analysis.

1.3: Randomized Block Design (RBD):

i) Application of the principles of design of experiments in RBD layout, model, assumptions and interpretations.

ii) Estimation of parameters, expected values of mean sum of squares, components of variance

iii) Breakup of total sum of squares into components.

iv) Visual inspection of treatment effects, block effects using BOX-PLOT's

v) Technique of Two way analysis of variance (ANOVA) and its applications to RBD. Residual analysis for model adequacy checking.

vi) Related testing procedures and their interpretations, test for equality of two specified treatment effects, comparison of treatment effects using critical difference (C.D.).

vii) Idea of missing plot technique.

viii) Situations where missing plot technique is applicable.

ix) Analysis of RBD with single missing observation.

1.4: Latin Square Design (LSD):

i) Application of the principles of design of experiments in LSD layout model, assumptions and interpretations.

ii) Breakup of total sum of squares into components.

iii) Estimation of parameters, Standard Error(SE), expected values of mean sum of squares, components of variance. Preparation of analysis of variance (ANOVA) table.

iv) Visual inspection of treatment effects, row and column effects using BOX-PLOT's

v) Related tests and their interpretations, test for equality of two specified treatment effects, comparison of treatment effects using critical difference (C.D.).Residual analysis for model adequacy checking.

vi) Analysis of LSD with single missing observation.

vii) Identification of real life situations where CRD, RBD and LSD are used.

Unit 2: Analysis of Non-Normal Data, Efficiency and Factorial Experiments: (18 hours)

2.1: Analysis of non- normal data in CRD, RBD, LSD using

i) Square root transformation for counts.

ii) Sin^{-1} (.) transformation for proportions.

iii) Kruskal Wallis test.

2.2: Efficiency of design:

i) Concept and definition of efficiency of a design.

ii) Efficiency of RBD over CRD.

iii) Efficiency of LSD over CRD and LSD over RBD.

2.3: Factorial Experiments:

i) General description of factorial experiments, 2^2 and 2^3 factorial experiments arranged in RBD.

ii) Definitions of main effects and interaction effects in 2^2 and 2^3 factorial experiments.

iii) Model assumptions and its interpretation.

iv) Preparations of ANOVA table by Yate's procedure, test for main effects and interaction effects.

v) General idea and purpose of confounding in factorial experiments.

vi) Total confounding (Confounding only one interaction): ANOVA table, testing main effects and interaction effects.

viii) Partial Confounding (Confounding only one interaction per replicate): ANOVA table. Testing main effects and interaction effects.

ix) Construction of layout in total confounding and partial confounding in 2^3 factorial experiment.

Books Recommended:

1. Montgomery, D.C. (2001): Design and Analysis of Experiments, John Wiley and sons Inc., New Delhi.

2. Dass, M.N. and Giri,N.C. (1986) Design and Analysis of Experiments, II Edition Wiley Eastern Ltd., New Delhi

3. Snedecor, G.W. and Cochran, W.G. (1994). Statistical Methods, 8th edition, Affiliated East – West Press, New Delhi

4. Goon, A.M., Gupta,M.K. and Dasgupta, B. (1998). Fundamentals of Statistics, Vol.II, The world Press Pvt. Ltd. Kolkatta

5. Gupta S.C. and Kapoor V.K.(2006). Fundamentals of Applied Statistics, S.Chand Sons, New Delhi

6. Wu, C.F.J. and Hamda, M. (2009). Experiments, Planning, Analysis and Parameter Design Optimization, John Wiley & Sons, Inc., Hoboken,New Jersey.

7.Angel and Dean

8.Weber and Skilling.

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - XII

DSE-E16: R-Programming and Quality Management

Theory: 36 hours. Marks-50 (Credit 02)

Unit-1: R Programming: **(18 hours)**

1.1: Introduction:

1.1.1: Algorithm: Definition, notations, characteristics of algorithm, examples

1.1.2: Flow chart: Definition, feathers, symbols, examples

1.1.3: Introduction to R: History, feathers of R-language, Character sets, **Identifiers:** Variable, Constants, Symbolic constant, key words, Data Types and Data Structure, **Operators:** Arithmetic, relational, logical, assignment, increasing, decreasing, special operators, Character vectors, Input and output functions, Data Import and Export function, Basic built-in function

1.2: Programming: Structure of programme, **Conditional Statements**: If, if else, **Loops:** for, while, Unconditional Statements, Writing of your own functions, Diagrams and Graphs, Simple programmes on

1) Finding Area of circle
2) To check whether the given integer is positive or negative
3) Reverse a given number
4) To find greatest of three numbers
5) Find Prime numbers in a given range
6) To check if number is odd or even
7) To check leap year
8) To find sum of first n natural numbers
9) To Generate random numbers from discrete distributions
10) To Generate random numbers from continuous distributions

Unit-2: Quality Management: **(18 hours)**

2.1: Quality Tools: Meaning and dimensions of quality, quality philosophy, Magnificent tools of quality: Histogram, Check sheet, Pareto diagram, cause and effect diagram, scatter diagram, control chart, flow chart. Deming's PDCA cycle for continuous improvements and its applications.

2.2: Process Control: CUSUM chart, tabular form, use of these charts for monitoring process mean. Moving average and exponentially weighted moving average charts. Introduction to six-sigma methodology, DMAIC cycle and case studies.

2.3: Product Control: Sampling Inspection plans for attribute inspection: Concept of AQL, LTPD, Consumer's risk, producer's risk, AOQ, AOQL, OC, ASN and ATI. Description of Single and double sampling plans with determination of above constants.

Books Recommended:

1. Crawley, M. J. (2006): Statistics - An introduction using R. John Wiley, London 32
2. Purohit, S.G.; Gore, S.D. and Deshmukh, S.R. (2015): Statistics using R, second edition. Narosa Publishing House, New Delhi.

3. Shahababa, B. (2011): Biostatistics with R, Springer, New York
4. Verzani, J. (2005): Using R for Introductory Statistics, Chapman and Hall /CRC Press, New York
5. Montgomery D. C.: Introduction to quality Control
6. Duncan A. J.: Quality Control and Industrial statistics
7. E L Grant: Statistical Quality Control

B. Sc. Part-III Semester VI

SUBJECT – STATISTICS - XIII

DSE-F13: Probability Theory and Applications

Theory: 36 hours. Marks-50 (Credit 02)

Course Outcomes: The students will acquire

a) knowledge about order statistics and associated distributions

b) Concept of convergence and Chebychev's inequality and their uses

c) Concept of law large numbers and central limit theorem and its uses.

d) knowledge of terms involved in reliability theory as well as concepts and measures.

Unit-1: Order Statistics and Convergence: **(18 hours)**

1.1: Order Statistics: Order statistics for a random sample of size n from a continuous distribution, Joint distribution, definition, derivation of distribution function and density function of the i^{th} order statistic, particular cases for i=1 and i= n, Derivation of joint p. d. f. of i^{th} and j^{th} order statistics , statement of distribution of the sample range, Distribution of the sample median when n is odd. Examples and problems.

1.2: Convergence and Limit Theorem: Convergence -Definition of convergence of sequence of random variables (a) in probability, (b) in distribution, (c) in quadratic mean. If $X_n \xrightarrow{P} X$ then $g(X_n) \xrightarrow{P} g(X)$ where g is continuous function without proof. Examples and problems.

1.3: Chebychev's Inequality: Chebycheve's inequality for discrete and continuous distributions. Examples.

1.4: Weak Law of Large Numbers and Central Limit Theorem: Weak law of large numbers (WLLN)- statement and proof for i. i. d. random variables with finite variance.

1.5 Central Limit Theorem: Statement and proof for i.i.d. random variables with finite variance, proof based on m. g. f.., simple examples based on Bernoulli, binomial, Poisson and chi-square distribution.

Unit-2: Reliability Theory: **(18 hours)**

2.1: Binary System: Block diagrams, definition of binary coherent structure and illustrations. Coherent system of components at most three, (a) Series, (b) Parallel, (c) 2 out of 3: Minimal cut, minimal path representation of system.

2.2: Reliability of binary System: Reliability of systems h(p), when components are independent and identically distributed with common probability p of operating.

2.3: Ageing Properties: Definitions of hazard rate, hazard function, survival function. Concept of distributions with increasing and decreasing failure rate (IFR, DFR). Relationship between survival function and hazard function, density function and hazard rate. Derivations of results: (1) Hazard rate of a series system of components having independent life times is summation of component hazard rates. (2) Life time of series system of independent components with independent IFR life times is IFR,

2.4: Examples on exponential distribution.

Books Recommended :

1. Barlow R. E. and Proschan Frank: Statistical Theory of Reliability and Life Testing. Holt Rinebart and Winston Inc., New Yark.
2. Cramer H.: Mathematical Methods of Statistics, Asia Publishing House, Mumbai.
3. Lindgren B. W.: Statistical Theory (Third Edition), Collier Macmillan International Edition, Macmillan Publishing Co. Inc. New York. .. . .
4. Hogg, R. V. and Craig A. T. : Introduction to Mathematical Statistics (Third Edition), Macmillan Publishing Company, Inc. 866, 34d Avenue, New York, 10022.
5. Sanjay Arora and Bansi Lal : New Mathematical Statistics (First Edition), Satya Prakashan, 16/17698, New Market, New Delhi, 5 (1989).
6. Gupta S. C and Kapoor V. K. : Fundamentals of Mathematical Statistics, Sultan Chand and Sons, 88, Daryaganj, New Delhi 2.
7. Rohatgi V. K.: An Introduction to Probability Theory and Mathematical Statistics, Wiley Eastern Ltd., New Delhi.
8. Hoel, Port and Stone: Introduction to Stochastic Processes, Houghton Mifflin.
9. Feller. W. : An Introduction of Probability Theory and its Applications. Wiley Eastern Ltd.. Mumbai.
10. Bhat B. R.: Modern Probability Theory.

11 Ross S: Probability Theory.
12.Zacks S. : Introduction to Reliability Analysis, Probability Models and Statistical Methods, Springer Verlag.
13. Sinha S. K. : Reliability and Life Testing, Second Edition, Wiley Eastern Publishers, New Delhi.
14.Trivedi R. S. : Probability and Statistics with Reliability and Computer Science Application, Prentice – Hall of India Pvt. Ltd., New Delhi.
15. Parimal Mukhopadhyaya: An Introduction to the Theory of Probability. World Scientific Publishing.

B. Sc. Part-III Semester VI

SUBJECT – STATISTICS - XIV

DSE-F14: Statistical Inference-II

Theory: 36 hours. Marks-50 (Credit 02)

Unit 1: Interval Estimation and Parametric Tests: (18 hours)

1.1: Interval Estimation:

1.1.1: Notion of interval estimation, Definition of confidence interval, length of confidence interval, confidence bounds. Definition of pivotal quantity and its use in obtaining confidence intervals and bounds.

1.1.2: Interval estimation for the following cases:

i) Mean μ of normal distribution (σ known and unknown)
ii) Variance σ^2 of normal distribution (μ known and unknown)
iii) Difference between two means ($\mu_1 - \mu_2$)
   a. For a sample from bi-variate normal population
   b. For samples from two independent normal populations.
iv) Ratio of variances for samples from two independent normal populations.
v) Mean of exponential distribution
vi) Population proportion and difference of two population proportions
vii) Population median (using order statistics and limiting distribution of median).

1.2: Parametric tests:

1.2.1: Statistical hypothesis, problems of testing of hypothesis, definitions and illustrations of (i) simple hypothesis (ii) composite hypothesis, critical region, Type I and Type II error,

probabilities of type I and Type II errors. Power of a test, p-value, size of a test, level of significance, problem of controlling probabilities of type I and Type II errors.

1.2.2: Definition of Most Powerful (MP) test. Statement and proof (sufficient part) of Neyman- Pearson (NP) lemma for simple null hypothesis against simple alternative hypothesis for construction of MP test. Examples of construction of MP test of level α.

1.2.3: Power function of a test, power curve, definition of Uniformly Most Powerful (UMP) level α test, Use of NP lemma for constructing UMP level α test for one-sided alternative. Computation of powers for standard probability distributions.

1.2.4: Likelihood Ratio (LR) Test: Procedure of LR test, statement of its properties, LR test involving mean and variance of normal population for two sided alternative hypothesis only. (i.e. H_o: $\mu=\mu_o$ v/s $H_1 : \mu \neq \mu_0$ and H_o: $\sigma^2 = \sigma_0^2$ v/s $H_1 : \sigma^2 \neq \sigma_0^2$)

Unit 2. SPRT and Non-parametric Tests: (18 hours)

2.1: Sequential Test: General theory of sequential analysis and its comparison with fixed sample procedure. Wald's SPRT of strength (α, β) for simple null hypothesis against simple alternative hypothesis. Illustrations for binomial, Poisson, exponential and normal distributions, Graphical and tabular procedure for carring out the test.

2.2: Non-parametric tests: Notion of non-parametric statistical inference (test) and its comparision with parametric statistical inference. Concept of distribution free statistic. Test procedure of:

i) Run test for randomness and run test for equality of distributions.

ii) Sign test for one sample and two sample paired observations

iii) Wilcoxson's signed rank test for one sample and two samples paired observations

iv) Mann-Whitney U-test (Two independent samples)

v) Median test

vi) Kolmogorov Smirnov test for one and two independent samples.

Books Recommended:

1. Kale B. K. : A first course in Parametric Inference
2. Rohatgi V. K.: Statistical Inference
3. Rohatgi V. K. : An introduction to Probability Theory and Mathematical Statistics
4. Saxena H. C. and Surendreran: Statistical Inference
5. Lehmann E. L.: Theory of Point Estimation
6. Dudewicz C. J. and Mishtra S. N. : Modern Mathematical Statistcs
7. Cassela G. and Berger R. L. Statistical Inference
8. Gibbons J. D.: Non-parametric Statistical Inference

9. Doniel : Applied Non-parametric Statistics
10. Siegel S. : Non-parametric Methods for the behavioral sciences.
11. Kunte S, Purohit S. G and Wanjale S.K: Lecture notes on Non-parametric Tests.
12. Dixit P. G. Patil S.M. Prayag V. R. and Sunbandh N. J.: Inference: Theory of Estimation.
13. Bhuyan K. C.: Probability Distribution Theory and Statistical Inference
14. A. Santhakumaran: Fundamentals of Testing of Statistical Hypothesis
15. Manojkumar Srivastava, Namita Srivastava: Statistical Inference

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - IX

DSE-F15: Sampling Theory

Theory: 36 hours. Marks-50 (Credit 02)

Unit- 1 : Simple and Stratified Random Sampling: (18 hours)

1.1: Simple Random Sampling:

i) Revision of Simple random sampling, Procedure of drawing SRSWOR and SRSWR using (a) random number table (b) software.

ii) Sample mean $(\bar{y})$ as an estimator of population mean, derivation of its expectation, standard error and estimator of standard error under SRSWOR and SRSWR

iii) $N\bar{y}$ as an estimator of population total, derivation of its expectation, standard error and estimator of standard error under SRSWOR and SRSWR

iv) Sampling of dichotomous attributes. Estimation of population proportion, Sample proportion (p) as an estimator of population proportion (P), derivation of its expectation, standard error using (SRSWOR). Np as an estimator of total number of units in the population possessing the attribute of interest, derivation of its expectation, standard error and estimator of standard error.

1.2: Determination of the sample size:

Determination of the sample size (n) under SRSWOR for variables and attributes given

i) Margin of error and confidence coefficient.

ii) Coefficient of variation of the estimator and confidence coefficient.

1.3: Stratified Sampling:

i) Real life situations where stratification is appropriate.

ii) Procedure of drawing stratified sample using (a) random number table (b) software given the sampling frame.

iii) Description of stratified sampling method where sample is drawn from individual stratum using SRSWOR method.

(a) $\bar{y}_{st}$ as an estimator of population mean $\bar{Y}$, derivation of its expectation, standard error and estimator of standard error.

(b) $N\bar{y}$ as an estimator of population total, derivation of its expectation, standard error and estimator of standard error.

iv) Problem of allocation: Proportional allocation, Neyman's allocation and optimum allocation, derivation of the expressions for the standard errors of the above estimators when these allocations are used.

v) Comparison amongst SRSWOR, stratification with proportional allocation and stratification with optimum allocation. Gain in precision due to stratification.

vi) Cost and variance analysis in stratified random sampling, minimization of variance for fixed cost, minimization of cost for fixed variance, optimum allocation as a particular case of optimization in cost and variance analysis.

Unit 2: Other Sampling Methods: (18 hours)

2.1: Systematic Sampling:

i) Real life situations where systematic sampling is appropriate. Techniques of drawing a sample using systematic sampling (when the population size is multiple of sample size).

ii) Estimation of the population mean and population total, standard error of these estimators.

iii) Comparison of systematic sampling with SRSWOR.

iv) Comparison of systematic sampling with SRSWOR and stratified sampling in the presence of linear trend.

v) Idea of Circular Systematic Sampling.

2.2: Cluster Sampling:

i) Real life situations where cluster sampling is appropriate. Techniques of drawing a sample using cluster sampling.

ii) Estimation of the population mean and population total (with equal size clusters), standard error of these estimators.

iii) Systematic sampling as a particular case of cluster sampling.

2.3: Two stage and Multi stage sampling: Idea of two stage and multistage sampling.

2. 4: Ratio Method:

i) Concept and rationale of auxiliary variable and its use in estimation

ii) Situations where Ratio method is appropriate.

iii) Ratio estimators of the population mean and population total and their standard errors (without derivations), estimators of these standard errors.

iv) Relative efficiency of ratio estimators with that of SRSWOR.

2.5: Regression Method:

i) Situations where Regression method is appropriate.

ii) Regression estimators of the population mean and population total and their standard errors (without derivations), estimators of these standard errors.

iii) Comments regarding bias in estimation.

iv) Relative efficiency of regression estimators with that of a) SRSWOR b) Ratio estimator.

2.6: Case Study: Study of surveys illustrating the above ideas. Rounds conducted by NSSO**.**

Books Recommended:

1. Cochran, W.G: Sampling Techniques, Wiley Eastern Ltd., New Delhi.

2. Sukhatme, P.V. and Sukhatme, B.V. : Sampling Theory of Surveys with Applications, Indian Society of Agricultural Statistics, New Delhi.

3. Des Raj : Sampling Theory.

4. Daroga Singh and Choudhary F.S.; Theory and Analysis of Sample Survey Designs, Wiley Eastern Ltd., New Delhi.

5. Murthy, M.N: Sampling Methods, Indian Statistical Institute, Kolkata.

6. Parimal Mukhopadhyay (2008):Sampling theory and methods of survey sampling , Prentice Hall of India.

B. Sc. Part-III Semester V

SUBJECT – STATISTICS - XVI

DSE-F16: Operations Research

Theory: 36 hours. Marks-50 (Credit 02)

Unit-1: **(18 hours)**

1.1: Linear programming: Basic concepts, Statement of the Linear Programming Problem (LPP), formulation of problem as L.P. problem. Definition of (i) a slack variable, (ii) a surplus variable, L.P. problem in (i) canonical form, (ii) standard form. Definition of (i) a solution, (ii) a feasible solution, (iii) basic variable and non-basic variable, (iv) a basic feasible solution, (v) a degenerate and a non-generate solution, (vi) an optimal solution, Solution of L.P.P.: i. Graphical Method: Solution space, obtaining an optimal solution, unique and non- unique

optimal solutions, ii. Simplex Method: (a) Initial basic feasible solution (IBFS) is readily available: obtaining an IBFS, criteria for deciding whether obtained solution is optimal, criteria for unbounded solution, more than one optimal solutions (b) IBFS not readily available: introduction of artificial variable, Big-M method, modified objective function, modifications and applications of simplex method to L.P.P., criterion for no solution, Duality Theory: Writing dual of a primal problem, solution of L.P.P. with artificial variable, Examples and problems.

1.2: Transportation, and Assignment Problems: Transportation problem (T.P.): statement, balanced and unbalance T. P., Methods of obtaining initial basic feasible solution of T.P. (a) North West corner rule (b) Method of matrix minima (least cost method), (c) Vogel's approximation(VAM)., MODI method of obtaining Optimal solution of T. P, uniqueness and non- uniqueness of optimal solutions, degenerate solution, examples and problems.

Assignment Problem: Statement, balanced and unbalanced assignment problem, relation with T.P, optimal solution of an assignment problem using Hungarian method, examples and problems.

Sequencing Problem: Introduction, Statement of problem, Procedure of processing n jobs on two machines, Procedure of processing n jobs on three machines and m machines. Computations of elapsed time and idle times, examples and problems.

Unit-2: (18 hours)

2.1: Queuing Theory: Introduction, essential features of queuing system, input source, queue configuration, queue discipline, service mechanism, Operating characteristics of queuing system, transient- state and steady state, queue length, general relationship among system characteristics.

Probability distribution in queuing system: Distribution of arrival, distribution of inter arrival time, distribution of departure and distribution of service time (Derivations are not expected), Types of queuing models, Solution of queuing Model: M/M/1, using FCFS queue discipline. Problems and examples.

2.2: Simulation Techniques: Meaning of simulation, Monte Carlo simulation, advantages and disadvantages of simulation, definition and properties of random numbers, generation of pseudo random numbers, Techniques of generating random numbers from uniform distribution, Tests for randomness and uniformity distribution, random variate generation using inverse cdf method, random variate generation from Bernoulli, Binomial, Poisson, Geometric, Exponential and normal distributions.

Book Recommended:

1. Gass E.: Linear Programming Method and Applications, Narosa Publishing House, New Delhi.
2. Shrinath L. S.: Linear Programming.
3. Taha H. A.: Operation research – An Introduction, Fifth Edition, Prentice Hall of India, New Delhi.
4. Saceini, Yaspan, Friedman: Operations Research Method and Problems, Wiley International Edition.
5. Shrinath, L. S.: Linear Programming, Affiliated East-West Press Pvt. Ltd., New Delhi.
6. Phillips, D. T., Ravindra, A., Solberg, J.: Operations Research Principles and Practice, John Wiley and Sons Inc.
7. Sharma, J. K.: Mathematical Models in Operations Research, Tau McGraw Hill Publishing Company Ltd., New Delhi.
8. Kapoor, V. K.; Operations Research, Sultan Chand and Sons, New Delhi.
9. Gupta, P. K. and Hira, D. S.: Operations Research, S. Chand and Company Ltd., New Delhi.
10. Luc Devroye: Non-Uniform Random Variate Generation, Springer – Verlag, New York.
11. Gentle, J. E.: Random Number Generation and Monte Carlo Methods, Springer- Verlag.
12. Robert, C. P. and Casella, G.: Monte Carlo Statistical methods, Springer-Verlag.
13. Rubinstien, R. Y.: Simulation and Monte Carlo Method, John Wiley, New York.

B.Sc. III (Statistics)

Practical IV

Probability Distributions

1. Model sampling from Laplace and Cauchy distributions.
2. Model sampling from log-normal and Weibull distributions.
3. Model sampling from logistic distribution.
4. Model sampling from Pareto distribution.
5. Model sampling from truncated binomial and Poisson distributions.
6. Model sampling from truncated normal and exponential distributions.
7. Model sampling from bivariate normal distribution.
8. Fitting of log-normal distribution.
9. Fitting of Weibull distribution.
10. Fitting of logistic distribution.
11. Fitting of Pareto distribution.
12. Fitting of truncated binomial distribution.

13. Fitting of truncated Poisson distribution.
14. Applications of multinomial distribution.
15. Applications of bivariate normal distribution.

Practical-V

Statistical Inference

1. Point estimation by Method of Moment for Discrete Distributions.
2. Point estimation by Method of Moment for Continuous Distributions.
3. Point estimation by Method of Maximum Likelihood (for one parameters).
4. Point estimation by Method of Maximum Likelihood (for two parameters).
5. Interval estimation of location and scale parameters of normal distribution (Single Sample).
6. Interval estimation of difference of location and ratio of scale parameters of normal distributions (Two sample).
7. Interval estimation for population proportion and difference between two population proportions.
8. Interval estimation for population median (using order statistics and limiting distribution of median).
9. Construction of MP test.
10. Construction of UMP test.
11. Construction of SPRT for Binomial, Poisson distributions, graphical representation of procedure.
12. Construction of SPRT for exponential and normal distributions, graphical representation of procedure.
13. Non-Parametric Tests-I : Run test, Sign test and Wilcoxon signed Rank test
14. Non-Parametric Test-II : Mann-whitney U-test for two independent samples and Median Test for two large independent samples
15. Non-Parametric Tests-III: Kolmogorov-Smirnov Test for one and two independent samples.

Practical VI

Design of Experiments and Sampling Methods

1. Analysis of CRD and RBD, Efficiency of RBD over CRD.
2. Analysis of LSD and efficiency of LSD over CRD and RBD.
3. Missing plot technique for RBD and LSD with single missing observations.
4. Analysis of Variance for non-normal data. (CRD, RBD, LSD)
5. Kruskal-Walli's test for non-normal data(CRD,RBD,LSD)

6. Analysis of 2^2 and 2^3 factorial experiment.
7. Partial and total confounding
8. Simple Random Sampling for (i) Variables (ii) Attributes.
9. Determination of sample size in SRS for (i) Variables (ii)Attributes.
10. Stratified Random Sampling-I
11. Stratified Random Sampling-II
12. Ratio method of estimation
13. Regression method of estimation
14. Systematic Sampling
15. Cluster Sampling.

PRACTICAL PAPER VII

R- Programming, Quality Management and Operations Research

1. Data input/output - Creation of vector using commands: c , rep , seq, scan
   - Creation of data frame using commands: data frame, edit
   - Arithmetic operation on vectors.
2. Diagrammatic representation of data- Simple bar diagram, subdivided bar diagram, pie diagram.
3. Graphical representation of data- Histogram, frequency polygon, Ogive curves.
4. R- Program –I (Measures of Central Tendency and Dispersion).
5. Simulation I using R (Discrete distribution).
6. Simulation II using R (Continuous distribution).
7. Linear Programming Problem.
8. Transformation problem.
9. Assignment problem.
10. Sequencing Problem.
11. EWMA Chart.
12. CUSUM chart.
13. Six sigma limits for mean.
14. Single sampling plan.
15. Double sampling plan.

SHIVAJI UNIVERSITY, KOLHAPUR.

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CHOICE BASED CREDIT SYSTEM

Syllabus For

B.Sc. Part – I

Statistics

SEMESTER I AND II

(Syllabus to be implemented from June, 2022 onwards.)

B. Sc. Part – I Semester – I

DSC –7A – STATISTICS – I

(DESCRIPTIVE STATISTICS – I)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i. meaning and scope of Statistics, various statistical organizations,
ii. data and types of data, various data presenting methods,
iii. population, sample and various methods of sampling,
iv. various measures of central tendencies and dispersion,
v. moments, skewness and kurtosis.

CONTENTS:

Unit - 1 **(15 hrs.)**

1.1 Introduction to Statistics: Meaning of Statistics as a Science, Importance of Statistics, Definition of Statistics, Various fields where Statistics is used, Names of various statistical organizations in India.

1.2 Population and Sample: Statistical population. Finite population, Infinite population, Census method, Sampling method, Advantages of sampling method over census method.
Methods of sampling (Description only): Sample and Random sample, Simple random sampling with and without replacement (SRSWR and SRSWOR), Stratified random sampling, Systematic sampling.

1.3 Nature of Data: Primary and Secondary data, Time series data, Quantitative and Qualitative data, Attributes, Variables, Discrete and Continuous variables, Scales of measurement - Nominal, Ordinal, Interval and Ratio scale, illustrative examples.

1.4 Presentation of Data:

Classification: Raw data and its classification, Discrete frequency distribution, Continuous frequency distribution, Cumulative frequency distribution, Inclusive and Exclusive methods of classification, Open end classes, Relative frequency distribution, illustrative examples.

Tabulation: Parts of table, Characteristics of good table, Types of table, illustrative examples.

Diagrammatic Presentation: Introduction to Simple Bar Diagram, Multiple Bar Diagram, Sub-Divided Bar Diagram, Pie Diagram.

Graphical Presentation: Histogram, Frequency Polygon, Frequency Curve, Ogive curves and Box plot.

Unit - 2 **(15 hrs.)**

2.1 Measures of Central Tendency: Mathematical and positional, Concept of central tendency of statistical data, statistical average, requirements of good statistical average.
Arithmetic Mean (A.M.): Definition, Effect of change of origin and scale, Deviation of observations from A.M., Mean of pooled data, Weighted A.M.

Geometric Mean (G.M): Definition, illustrative examples.

Harmonic Mean (H.M.): Definition, Relation: A.M $\geq$ G.M $\geq$ H.M (proof for n = 2 positive observations), illustrative examples.

Median: Definition, Derivation of formula for grouped frequency distribution.

Mode: Definition, Derivation of formula for grouped frequency distribution. Empirical relation between mean, median and mode. Graphical method of determination of Median and Mode.

Partition values: Quartiles, Deciles and Percentiles.

Comparison between averages in accordance with requirements of good average. Situations where one kind of average is preferable to others, illustrative examples.

2.2 Measures of Dispersion: Concept of dispersion, Absolute and Relative measures of dispersion, Requirements of a good measure of dispersion.

Range: Definition, Coefficient of range.

Quartile Deviation (Q. D. or Semi-inter quartile range): Definition, Coefficient of Q.D.,

Mean Deviation (M.D.): Definition, Coefficient of M.D., Minimal property of M.D.,

Mean Square Deviation (M.S.D.): Definition, Minimal property of M.S.D.,

Variance and Standard Deviation (S.D.): Definition, Effect of change of origin and scale, variance and S.D. of pooled data (proof for two groups).

Coefficient of Variation: Definition and use. Illustrative examples.

2.3 Moments, Skewness and Kurtosis: Moments: Raw moments and central moments for ungrouped and grouped data. Effect of change of origin and scale on central moments, relation between central moments and raw moments (up to 4th order). Sheppard's corrections.

Skewness: Concept of skewness of a frequency distribution, types of skewness. Bowley's coefficient of skewness, Karl Pearson's coefficient of skewness, measure of skewness based on moments.

Kurtosis: Concept of kurtosis of a frequency distribution, Types of kurtosis, Measure of kurtosis based on moments. Illustrative examples.

Books Recommended:

1. Bhat B. R., Srivenkatramana T. and Madhava Rao K. S. (1996): Statistics: A Beginner's Text, Vol. 1, New Age International (P) Ltd.
2. Croxton F. E., Cowden D.J. and Kelin S. (1973): Applied General Statistics, Prentice Hall of India.
3. Goon A.M., Gupta M.K., and Dasgupta B.: Fundamentals of Statistics Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand and Sons, New Delhi.
5. Gupta V.K. & Kapoor S.C.: Fundamentals of Mathematical Statistics.- Sultan & Chand.
6. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
7. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
8. Kore B. G. and Dixit P. G.: "Descriptive statistics-I", Nirali Prakashan, Pune.

9. Mood A. M., Graybill F. A. and Boes D. C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
10. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Lowa State University Press.
11. Waiker and Lev.: Elementary Statistical Methods.

Note: 1. In theory examination, the weightage to numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – I

DSC –8A – STATISTICS – II

(ELEMENTARY PROBABILITY THEORY)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course outcomes: Students will be able to;

i. distinguish between random and non-random experiments
ii. acquire knowledge of concepts of probability
iii. use the basic probability rules, including additive and multiplicative laws
iv. understand concept of conditional probability and independence of events.
v. understand concept of univariate random variable and its probability distributions
vi. acquire knowledge of mathematical expectation of univariate random variable.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Sample space and events: Concepts of experiments and random experiments. Definitions: Sample space, Discrete sample space (finite and countably infinite), Event, Elementary event, Compound event. Algebra of events (Union, Intersection, Complementation). Definitions of mutually exclusive events, Exhaustive events, Impossible events, Certain event. Power set |P(Ω) (sample space consisting at most 3 sample points). Symbolic representation of given events and description of events in symbolic form. Illustrative examples.

1.2 Probability: Equally likely outcomes (events), apriori (classical) definition of probability of an event. Equiprobable sample space, simple examples of computation of probability of the events based on permutations and combinations. Definition of probability in terms of odd ratio with illustrative examples. Axiomatic definition of probability. Proof of the results: i) $P(\Phi) = 0$, ii) $P(A^C) = 1 - P(A)$, iii) $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (with proof) and its generalization (Statement only), iv) If $A \subseteq B$, $P(A) \leq P(B)$, v) $0 \leq P(A \cap B) \leq P(A) \leq P(A \cup B) \leq P(A) + P(B)$.

Unit – 2 **(15 hrs.)**

2.1 Conditional Probability and Independence of events: Definition of conditional probability of an event. Multiplication theorem for two events. Examples on conditional probability. Concept of independence of two events. Proof of the result that if A and B are

independent then, i) A and B^C are independent, ii) A^C and B are independent, iii) A^C and B^C are independent. Pairwise and Mutual independence for three events. Elementary examples.

Partition of sample space. Idea of posteriori probability, statement and proof of Baye's theorem, illustrative examples on Baye's theorem.

2.2 Univariate Probability Distributions (finite sample space): Definition of discrete random variable. Probability mass function (p.m.f.) and cumulative distribution function (c.d.f.) of a discrete random variable, Properties of c.d.f. (statements only). Probability distribution of function of random variable. Median and mode of a univariate discrete probability distribution. Examples.

2.3 Mathematical expectation (Univariate random variable): Definition of expectation of a random variable. Expectation of a function of a random variable, Results on expectation of a functions of a random variable: i) E (c) = c, where c is a constant, ii) E(aX + b) = aE(X) + b, where a and b are constants, definitions of mean, variance of univariate distribution, $V(aX + b) = a^2V(X)$, definition of raw, central moments, definition of probability generating function (p.g.f.) of a random variable, obtaining mean and variance by using p.g.f. Effect of change of origin and scale on p.g.f.

Books Recommended

1. Bhat B. R., Srivenkatramana T. and Madhava Rao K. S. (1996): Statistics: A Beginner's Text, Vol. 1, New Age International (P) Ltd.
2. Edward P. J., Ford J. S. and Lin (1974): Probability for Statistical Decision-Making, Prentice Hall.
3. Goon A.M., Gupta M.K., and Dasgupta B.: Fundamentals of Statistics Vol. I and II, World Press, Calcutta.
4. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics.- Sultan & Chand.
5. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
6. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
7. Kore B. G. and Dixit P. G.: "Elementary Probability Theory", Nirali Prakashan, Pune.
8. Meyer P.L. (1970): Introductory Probability and Statistical Applications, Addision Wesley.
9. Mukhopadhyay P. (2006): Probability. Books and Allied (P) Ltd.
10. Rohatgi V. K. and Saleh A. K. Md. E. (2002): An Introduction to probability and statistics. John wiley & Sons (Asia).
11. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Lowa State University Press.

Note:

1. In theory examination, the weightage to the numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – II

DSC –7B – STATISTICS – III

(DESCRIPTIVE STATISTICS – II)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcomes: Students will acquire knowledge of;

i. correlation coefficient and interpret its value.
ii. regression coefficients, interpret its value and use in regression analysis.
iii. qualitative data including concept of independence and association between two attributes
iv. vital statistics and concept of mortality and fertility and growth rates.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Correlation: Bivariate data, Need of analysis of bivariate data, Concept of correlation between two variables, Types of correlation.

Methods of studying correlation: 1) Scatter diagram, its utility, Covariance: Definition, Effect of change of origin and scale, 2) Karl Pearson's coefficient of correlation (r): Definition, Computation for ungrouped and grouped data. Properties: i) $-1 \leq r \leq 1$, Interpretation for different values of r, ii) Effect of change of origin and scale, 3) Spearman's rank correlation coefficient: Definition, Computation (with and without ties). Derivation of the formula for without ties and modification of the formula for with ties. Illustrative examples.

1.2 Regression: Concept of regression, Lines of regression of Y on X (Y=a + bX + ε) and X on Y, fitting of lines of regression by the least square method, Regression coefficients b_{xy}, b_{yx} and their geometric interpretations

Properties: i) $b_{xy} \times b_{yx} = r^2$, ii) $b_{xy} \times b_{yx} \leq 1$, iii) $\frac{b_{xy} \times b_{yx}}{2} \geq r$, iv) Effect of change of origin and scale on regression coefficients, The point of intersection of two regression lines, Derivation of acute angle between the two lines of regression, Concept of residual, Mean residual sum of squares, Residual Plot (Residual versus fitted value) and its interpretation, Explained and unexplained variation, coefficient of determination, Illustrative examples.

Unit – 2 **(15 hrs.)**

2.1 Attributes: Introduction and Notations of Attribute, Dichotomy, class, order of class, positive and negative class, class frequency, ultimate class frequency, fundamental set of class frequency, relationships among different class frequencies (up to three attributes), Concept of consistency, Concept of independence and association of two attributes, Yule's coefficient of association (Q): Definition, $-1 \leq Q \leq +1$, interpretation, Coefficient of colligation (Y): Definition, interpretation, Relation between $Q$and Y: 1) $Q = \frac{2Y}{1+Y^2}$, 2) $|Q| \geq |Y|$, Correlation Coefficients: 1) Point Biserial Correlation Coefficient, 2) Phi Coefficient, 3) Tetrachoric Correlation Coefficient, Illustrative examples.

2.2 Demography: Introduction, vital events and need of vital statistics, Measures of fertility: Crude Birth Rate (CBR), Age Specific Fertility Rate (ASFR), General Fertility Rate

(GFR), Total Fertility Rate (TFR), Measures of reproduction: Gross Reproduction rate (GRR), Net Reproduction Rate (NRR), Measures of mortality: Crude death rate (CDR), Specific Death Rate (SDR) by i) Direct method ii) Indirect method, Standardized Death Rate (STDR), Population projection at time t, Life Table - construction and its applications in insurance, Use and Applications

Books Recommended:

1. Bhat B. R., Srivenkatramana T and Madhava Rao K. S. (1997): Statistics: a Beginner's Text, Vol. I, New Age International (P) Ltd.
2. Croxton F. E., Cowden D.J. and Kelin S. (1973): Applied General Statistics, Prentice Hall of India.
3. Goon A. M., Gupta M. K., Das Gupta B. (1999): Fundamentals of Statistics, Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand & Sons Pvt. Ltd. New Delhi.
5. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics.- Sultan Chand & Sons Pvt. Ltd. New Delhi.
6. Kapur, J. N and Gupta, H. C, : Fundamentals of Mathematical Statistics, S. Chand and sons, New Delhi.
7. Kore B. G. and Dixit P. G.: "Descriptive Statistics-II", Nirali Prakashan, Pune.
8. Srivastav D. S: A Text book of Demography
9. Snedecor G.W. and Cochran W. G. (1967): Statistical Methods, Iowa State University Press.
10. Waiker and Lev.: Elementary Statistical Methods.

Note:

1. In theory examination, the weightage to the numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

B. Sc. Part – I Semester – II

DSC –8B – STATISTICS – IV

(DISCRETE PROBABILITY DISTRIBUTIONS)

Theory: 30 hrs. Marks -50 (Credits: 02)

Course Outcome: Student will be able to acquire knowledge of;

i. bivariate discrete distributions, independence of bivariate r.vs., Mathematical expectation of bivariate discrete random variable.
ii. one point distribution, two point distribution, Bernoulli distribution,
iii. Uniform distribution, Binomial distribution, Hypergeometric distribution,
iv. Poisson distribution, Geometric distribution and Negative binomial distribution.

CONTENTS:

Unit – 1 **(15 hrs.)**

1.1 Bivariate Discrete Distribution: Definition of bivariate discrete random variable (X, Y) on finite support, Joint p.m.f., and c.d.f., Properties of c.d.f. (without proof), computation of probabilities of events in bivariate probability distribution, marginal and conditional probability distribution. Independence of two discrete r.v.s.,

1.2 Mathematical Expectation: Definition of expectation of function of r.v. in bivariate distribution. Theorems on expectations: (i) $E(X+Y) = E(X) + E(Y)$, (ii) $E(XY) = E(X)\cdot E(Y)$ when X and Y are independent. Expectation and variance of linear combination of two discrete r.v.s., Definition of conditional mean, conditional variance. Covariance and correlation coefficient. Cov (aX+bY, cX+dY). Distinction between uncorrelated and independent variables, Proof of the p.g.f. of sum of two independent r.v. as the product of their p.g.f.

Unit – 2 **(15 hrs.)**

2.1 Some Standard Discrete Probability Distributions: (finite support):

One point distribution: p.m.f., mean and variance,

Two point distribution: p.m.f., mean and variance,

Bernoulli distribution: p.m.f., p.g.f., mean, variance.

Discrete Uniform Distribution: p.m.f., mean and variance.

Binomial Distribution: Binomial random variable, p.m.f. with parameters (n, p), recurrence relation for obtaining successive probabilities, mean, and variance, skewness, p.g.f., Additive property of binomial variates, distribution of sum of independent and identically distributed Bernoulli variables.

Hyper geometric Distribution: p.m.f. with parameters (N, M, n), Computation of probability of different events, recurrence relation for successive probabilities, mean and variance of distribution assuming $n \leq N - M \leq M$, Approximation of hypergeometric to binomial distribution (Statement only).

2.2 Some Standard Discrete Probability Distributions: (Countable infinite support):

Poisson Distribution: Definition of Poisson with parameter λ, mean, variance, probability generating function (p.g.f.). Recurrence relation for obtaining successive probabilities. Additive property of Poisson distribution. Poisson distribution as a limiting case of Binomial distribution (Statement Only).

Geometric Distribution: Definition of Geometric distribution with parameter p, mean and variance, cumulative distribution function. p.g.f. Lack of memory property.

Negative Binomial Distribution: Definition of Negative binomial distribution with parameters (k, p). Geometric distribution is a particular case of Negative binomial distribution, mean, variance, p.g.f., Recurrence relation for obtaining successive probabilities.

Books Recommended:

1. Bhat B. R., Srivenkatramana T and Madhava Rao K. S. (1997): Statistics: a Beginner's Text,Vol. II, New Age International (P) Ltd.
2. Edward P. J., Ford J. S. and Lin (1974): Probability for Statistical Decision-Making, Prentice Hall.

3. Goon A. M., Gupta M. K., Das Gupta B. (1999): Fundamentals of Statistics, Vol. I and II, World Press, Calcutta.
4. Gupta S. P. (2002): Statistical Methods, Sultan Chand and Sons, New Delhi.
5. Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics, Sultan & Chand
6. Hogg R. V. and Crag R. G.: Introduction to Mathematical Statistics Ed.4.
7. Hoel P. G. (1971): Introduction to Mathematical Statistics, Asia Publishing House.
8. Kapur J. N. and Gupta H. C. : Fundamentals of Mathematical Statistics, S. Chand and sons, New Delhi.
9. Kore B. G. and Dixit P. G.: Discrete Probability Distributions, Nirali Prakashan, Pune.
10. Meyer P. L. (1970): Introductory Probability and Statistical Applications, Addision Wesley.
11. Mood A. M., Graybill F. A. and Boes D. C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
12. Mukhopadhyay P. (2006): Probability. Books and Allied (P) Ltd
13. Rohatgi V. K. and Saleh A. K. Md. E. (2002): An Introduction to probability and statistics. John wiley & Sons (Asia)

Note: 1. In theory examination, the weight age to the numerical problems should not exceed 30%.
2. Students can use scientific calculators in theory examination.

Practical Paper-I (Credit 2+2)

Pre requisites: Knowledge of the topics in the theory papers.

Course Outcomes: Students will able to;

i. acquire knowledge of computations using MS-Excel.
ii. represent statistical data diagrammatically and graphically.
iii. compute various measures of central tendency, dispersion, moments, skewness and kurtosis.
iv. compute correlation coefficient, regression coefficients.
v. understand consistency, association and independence of attributes.
vi. interpret summary Statistics of computer output.
vii. know applications of some standard discrete probability distributions.
viii. compute the various fertility rates, mortality rates and growth rates.

List of Practicals:

1. Data handling using MS-Excel
2. Computations using MS-Excel
3. Diagrammatic and Graphical presentation.
4. Measures of central tendency
5. Measures of the dispersion
6. Moments, skewness and kurtosis.
7. Use of random numbers to draw SRSWOR, SRSWR, Stratified and Systematic sample.
8. Computation of probabilities using Baye's theorem.

9. Correlation coefficient, and regression (ungrouped data)
10. Correlation coefficient and regression (grouped data)
11. Spearman's rank correlation coefficient
12. Attributes (Missing frequencies, consistency, association and independence).
13. Demography (Computations of Fertility rates, Mortality rates and Growth rates)
14. Applications of Uniform, Binomial and Hypergeometric distribution.
15. Applications of Poisson, Geometric and Negative Binomial distribution.
16. Bivariate Discrete distribution I. (Marginal and conditional distribution, computation of probabilities of events).
17. Bivariate Discrete distribution II (Expectation /conditional expectation / variance / conditional variance /covariance / correlation coefficient)
18. Case study equivalent to 3 practicals.

Notes:

a. Students must complete all experiments using MS-EXCEL.
b. Case study - Different data sets from newspapers, internet, magazines may be collected and students will be asked to use statistical techniques/tools which they have learnt.
c. MS-EXCEL should be used at the time of practical examination for calculation.
d. Student must complete the entire practical to the satisfaction of the teacher concerned.
e. Student must produce laboratory journal along with completion certificate signed by Head of the Department, at the time of practical examination.

Laboratory Requirements:

Laboratory should be well equipped with at least 20 computers along with necessary Software's, at least two printers, sufficient back up facility (UPS/ Inverter/ Generator).

Nature of Practical Question Paper:

a) In the practical question paper there shall be four questions each of 16 marks, a student has to attempt any two questions.
b) Computations should be completed using MS-EXCEL and should be demonstrated to examiner. Experiment aim, formulae, results etc. should be written on practical answer paper.
c) 8 marks are reserved for case study, 5 marks are reserved for the journal and 5 marks for the oral examination.
d) Practical examination is of four hours duration which includes viva (oral) examination and on line demonstration.

SHIVAJI UNIVERSITY, KOLHAPUR.

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CHOICE BASED CREDIT SYSTEM

Syllabus

For

B.Sc. Part – II Statistics

SEMESTER III and IV

AS PER NEP 2020

To be implemented from academic year 2023-24

B. Sc. Part – II Semester – III
DSC–C7: STATISTICS –V
(Probability Distributions – I)
Theory: 36 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i) bivariate discrete distributions with real life situations.

ii) continuous random variable and find the various measures, probabilities using its probability distribution.

iii) transformation of univariate continuous random variable.

iv) some standard continuous probability distributions with real life situations.

v) the relations among the different distributions.

$p \leq 1, n$

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Some Bivariate Discrete Distributions:

Trinomial Distribution: Introduce Trinomial as extension of Binomial distribution. Definition, p.m.f., Notation: $(X_1, X_2) \sim Tri(n, p_1, p_2, p_3)$, $0 \leq p_1, p_2 \leq 1$; $p_3 = 1 - p_1 - p_2$ and n is positive integer. p.g.f., means, variances and covariance using p.g.f., correlation coefficient. Distribution of X_1+X_2 using p.g.f.

Generalization of Trinomial to Multinomial distribution. The marginal distribution of X_i, conditional distribution of X_i given X_j, conditional mean and conditional variance of X_i given X_j, $Cov(X_i, X_j)$ for i, j =1, 2.

Variance - covariance matrix of (X_1, X_2). Correlation coefficient between X_1 and X_2. Examples and problems.

Bivariate Poisson Distribution: Definition, p.m.f. Notation: $(X_1, X_2) \sim BP(\lambda_1, \lambda_2, \lambda_3)$, $\lambda_i > 0$ for i = 1, 2, 3. The marginal distribution of X_i, conditional distribution of X_i given X_j, conditional mean and conditional variance of X_i given X_j, $Cov(X_i, X_j)$ for i, j =1, 2. Variance - covariance matrix of (X_1, X_2). Correlation coefficient between X_1 and X_2. Examples and problems.

1.2 Univariate Continuous Distributions:

Definition of the continuous sample space with illustrations, Definition of continuous random variable (r. v.), probability density function (p. d. f.), cumulative distribution function (c. d. f.) and its properties.

Expectation of r. v., expectation of function of r. v., mean, median, mode, quartiles, variance, harmonic mean.

Raw and central moments, skewness and kurtosis, examples.

Moments generating function (m. g. f.): Definition and properties: (i) Standardization property $M_X(0) = 1$, (ii) Effect of change of origin and scale, (iii) Uniqueness property of m. g. f., if exists, (statement only).

Generation of raw and central moments. Cumulant generating function (c. g. f.): Definition, relations between cumulants and central moments (up to order four). Examples.

Transformations of univariate continuous random variable: Transformation of univariate continuous r. v.: Distribution of Y = g(X), where g(.) is monotonic or non-monotonic functions by using (i) Jacobian of transformation, (ii) Distribution function and (iii) m. g. f. methods. Examples and problems.

Unit-2: **(18 hrs.)**

2.1 Some Univariate Continuous Distributions defined on Finite Interval :

Uniform distribution: Definition of Uniform distribution over (a, b), c.d.f., m.g.f., mean, variance, moments. Distribution of: (i) (X– a) / (b–a), ii) (b–X) / (b–a), (iii) Y = F(X), where F(.) is c.d.f. of any continuous r.v. X.

Beta distribution of first kind: Beta distribution of first kind with parameters m & n. Mean, mode, variance, symmetric when m = n. Uniform distribution as a particular case when m = n = 1, distribution of (1–X).

2.2 Some Univariate Continuous Distributions defined on Infinite Interval :

Beta distribution of second kind: Beta distribution of second kind with parameters m & n. Mean, mode, variance, relation between beta distribution of first kind and second kind.

Exponential Distribution: p.d.f. with parameter θ (θ > 0):

$$f(x;\theta) = \begin{cases} \theta e^{-\theta x} & \text{if } x > 0 \\ 0 & \text{if otherwise} \end{cases}$$

c.d.f., m.g.f., c.g.f., mean, variance, C.V., moments, Cumulants, median, quartiles, lackof memory property, and distribution of $-\theta \times \log_e(X)$, where X~U (0, 1).

Gamma distribution: Gamma distribution with scale parameter θ and shape parameter n. Special case when θ = n = 1. m.g.f., c.g.f., mean, mode, variance, moments, cumulants, β_1, β_2, γ_1 and γ_2 coefficients, additive property: distribution of sum of i.i.d. exponential variates.

Laplace (Double Exponential) Distribution: p.d.f. with parameters μ and θ ($-\infty < \mu < \infty$ and $\theta > 0$):

$$f(x;\theta,\mu) = \begin{cases} \frac{\theta}{2} e^{-\theta|x-\mu|} & \text{if } -\infty < x < \infty \\ 0 & \text{if otherwise} \end{cases}$$

Nature of the probability curve, Distribution function, quartiles, moment generating function, mean, variance, moments, β_1, β_2, γ_1 and γ_2 coefficients.

Laplace distribution as a distribution of the difference of two i.i.d. exponential variates with parameter θ, examples and problems.

References and Recommended Readings:

1) Parimal Mukhopadhyaya: An Introduction to the Theory of Probability. World Scientific Publishing.

2) Hogg R. V. and Criag A.T.: Introduction to Mathematical Statistics (Third edition), Macmillan Publishing, New York.

3) Gupta S. C. & Kapoor V.K.: Fundamentals of Mathematical Statistics. Sultan Chand & sons, New Delhi.

4) Goon, A.M., Gupta M.K. and Dasgupta B: Fundamentals of Statistics Vol. I andVol. II World Press, Calcutta.

5) Mood A.M., Graybill F.A.: Introduction to theory of Statistics. (Chapter II, IV, V,VII) and Boes D.C. Tata, McGraw Hill, New Delhi. (Third Edition)

6) Walpole R.E. & Mayer R.H.: Probability & Statistics. (Chapter 4, 5, 6, 8, 10) MacMillan Publishing Co. Inc, New York.

B. Sc. Part – II Semester – III
DSC–C8: STATISTICS –VI
(Statistical Methods–I)
Theory: 36 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i) obtaining multiple linear regression equations and their applications.

ii) the concept of multiple correlations, partial correlation and their computations.

iii) need, construction and utility of various index numbers.

iv) the concepts related to national income and different methods of estimation of national income.

$p \leq 1, n$

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Multiple Linear Regression (for trivariate data only): Concept of multiple linear regression, Plane of regression, Yule's notation, correlation matrix. Fitting of regression plane by method of least squares, definition of partial regression coefficients and their interpretation. Residual: definition, order, properties, derivation of mean and variance, Covariance between residuals. Residual plot.

1.2 Multiple and Partial Correlation (for trivariate data only): Concept of multiple correlations. Definition of multiple correlation coefficient $R_{i.jk}$, derivation of formula for multiple correlation coefficient. Properties of multiple correlation coefficient;

(i) $0 \leq R_{i.jk} \leq 1$, (ii) $R_{i.jk} > |r_{ij}|$, (iii) $R_{i.jk} > |r_{ik}|$, $i \neq j, i \neq k, i, j, k = 1, 2, 3$. Interpretation of $R_{i.jk} = 1$ and $R_{i.jk} = 0$, coefficient of multiple determination $R^2_{1.23}$. Concept of partial correlation. Definition of partial correlation coefficient $r_{ij.k}$, derivation of formula for $r_{ij.k}$. Properties of partial correlation coefficient; (i) $-1 \leq r_{ij.k} \leq 1$, (ii) $b_{ij.k} \times b_{ji.k} = r^2_{ij.k}$. Examples and problems

Unit-2: **(18 hrs.)**

1.1 Index Numbers: Meaning and utility of index numbers, problems in construction of index numbers. Types of index numbers: price, quantity and value. Unweighted and weighted index numbers by using (i) aggregate method, (ii) average of price or quantity relative method (A.M. or G.M. is to be used as an average). Index numbers by using; Laspeyres, Paasche's, and Fishers formula. Tests of index numbers: Unit test, time reversal test and factor reversal tests. Cost of living index number: definition, construction by using (i) Family Budget and (ii) Aggregate expenditure method. Purchasing power of money**.**

2.2 National Income: (i) Definitions of national income by (a) Marshall, (b) Pigou and (c) Fisher. **(ii)** Different concept of national income (a) gross national product (GNP), (b) net national product (NNP). (**iii)** Personal income, disposable income, per capita income, gross domestic product (GDP), national income at market price, national income at factor cost, national income at current prices, national income at constant prices. (**iv)** Methods of estimation of national income and the difficulties in methods. (a) output method, (b) income method, (c) expenditure method. **(v)** Importance of national income.

References and Recommended Readings:

1) Cochran, W.G: Sampling Techniques, Wiley Eastern Ltd., New Delhi.
2) Des Raj: Sampling Theory.
3) Gupta S. C. and Kapoor V. K., "Fundamentals of Applied Statistics", Sultan andChand.
4) Dr. Kore B. G. and Dr. Dixit P. G.: "Statistical Methods-I", Nirali Prakashan, Pune.
5) Mukhopadhay, Parimal: Theory and Methods of Survey Sampling, Prentice Hall.
6) Srivastav D. S: A Text book of Demography.
7) Sukhatme, P.V. and Sukhatme, B.V.: Sampling Theory of Surveys with Applications, Indian Society of Agricultural Statistics, New Delhi.

8) M. K. Jhingan : Macro Economic Theory : Vrinda Publications Pvt. Ltd. New Delhi
9) R. D. Gupta : Keynes Post – Keynesian Economics : Kalyani Publishers, New Delhi.
10) M. L. Sheth : Macro Economics : Lakshmi-Narayan Agarwal education publishers, Agra
11) H. L. Ahuja : Modern Economics : S. Chand publishers, New Delhi.
12) Goon A. M., Gupta M. K., Das Gupta B. : Fundamentals of Statistics, Vol.I and II,World Press, Calcutta.
13) Gupta S. P. : Statistical Methods, Sultan Chand and Sons, New Delhi.
14) Gupta V.K. & Kapoor S.C. Fundamentals of Mathematical Statistics.- Sultan & Chand
15) Gupta V.K. & Kapoor S.C. Fundamentals of Applied Statistics.- Sultan & Chand

B. Sc. Part – II Semester – IV
DSC–D7: STATISTICS –VII
(Probability Distributions – II)
Theory: 36 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i) some standard continuous probability distributions with real life situations.

ii) finding the various measures of continuous random variable and probabilities by using its probability distributions.

iii) the relationships among different distributions.

iv) continuous bivariate r.vs. and probability distributions of their transformations.

v) concept of sampling distribution of a statistic.

vi) some sampling distributions of a statistic : Normal, Chi-Square, t and F distributions with their applications and interrelations.

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Normal distribution: Normal distribution with parameters μ & σ^2, Definition of standard normal distribution, properties of normal curve, m.g.f., c.g.f., mean, variance, median, mode, mean deviation, moments, cumulants, measures of skewness & kurtosis, distribution of linear combination of variates. Distribution of X^2 , where X~N(0,1).

1.2 Continuous Bivariate Distributions: Definition of bivariate continuous r. v. (X, Y), Joint p.d.f., c.d.f. with properties, marginal and conditional distribution, independence of r. vs., evaluation of probabilities of various regions bounded by straight lines. Expectation of function of r.vs., means, variances, covariance, correlation coefficient, conditional expectation, regression as conditional expectation if it is linear function of other variable and conditional variance, proof of (i) $E(X \pm Y) = E(X) \pm E(Y)$, (ii) $E[E(X/Y)] = E(X)$.

If X and Y are independent r. v.s then (i) $E(XY) = E(X) \times E(Y)$, (ii) $M_{X+Y}(t) = M_X(t) \times M_Y(t)$. Examples.

Unit-2: **(18 hrs.)**

2.1 Transformation of continuous bivariate random variables: Distribution of transformation of bivariate r.v.s by using method of (i) uniqueness of m.g.f. and (ii) jacobian of transformation.

Obtaining probability distribution of (X+Y), X/Y and X/(X+Y) where X and Y are independent Gamma variates with identical scale parameters. Examples and problems.

2.2 Exact Sampling Distributions:

Chi-Square distribution: Definition of Chi-square r.v., derivation of p.d.f. of Chi-square r.v. with n degrees of freedom by using m.g.f. Mean, variance, mode, moments, c.g.f., cumulants, skewness and kurtosis. Additive property.

Student's t-distribution: Definition of Student's t -variate. Derivation of p.d.f., mean, mode, variance, moments, β_1, β_2, γ_1 and γ_2 coefficients.

Snedecor's F distribution: Definition of F-variate. Derivation of p.d.f. , mean, variance and mode. Distribution of 1/F. Interrelation between t, F and Chi-square (Without Proof).

References and Recommended Readings:

1) Trivedi R. S. : Probability and Statistics with Reliability and Computer Science Application, Prentice –Hall of India Pvt. Ltd., New Delhi.

2) Parimal Mukhopadhyay: An Introduction to the Theory of Probability. World Scientific Publishing.

3) Hogg R. V. and Criag A. T. : Introduction to Mathematical Statistics (Third edition), Mac-

Millan Publishing, New York.
4) Goon A. M., Gupta M. K. and Dasgupta B.: Fundamentals of Statistics Vol. I and Vol. II World Press, Calcutta.
5) Gupta S. C. & Kapoor V. K. : Fundamentals of Mathematical Statistics. Sultan Chand & sons, New Delhi.
6) Gupta S. C. & Kapoor V. K. :Applied Statistics. Sultan Chand & sons, New Delhi.
7) Mood A. M., Graybill F. A. and Boes D. C.: Introduction to theory of Statistics. (Chapter 2, 4, 5, 7) and Tata, Mc-Graw Hill, New Delhi. (Third Edition)
8) Walpole R. E. & Mayer R. H.: Probability & Statistics. (Chapter 4, 5, 6, 8, 10) Mac-Millan Publishing Co. Inc, New York.

B. Sc. Part – II Semester – IV
DSC–D8: STATISTICS –VIII
(Statistical Methods – II)
Theory: 36 hrs. Marks -50 (Credits: 02)

Course Outcomes: The students will acquire knowledge of

i) the concept and use of time series analysis.

ii) the meaning, purpose and use of Statistical Quality Control, construction and working of control charts for variables and attributes.

iii) applying the appropriate small sample tests and large sample tests in various situations.

CONTENTS:

Unit-1: **(18 hrs.)**

1.1 Time Series Analysis: Meaning and need of time series analysis. Components of time series : (i) Secular trend (ii) Seasonal variation (iii) Cyclical variation (iv) Irregular variation. Additive and Multiplicative model. Utility of time series analysis. Measurement of trend by using: (i) Moving average method (ii) Progressive average method (iii) Least square method. Measurement of seasonal indices by simple average method.

1.2 Statistical Quality Control (S.Q.C.): Meaning and purpose of S.Q.C., Process control, Product control, chance causes, assignable causes, Shewhart's control chart- construction & working, lack of control situation. Control charts for variables- mean chart and range chart. Construction and working of mean & range charts for unknown standards. Revised control limits. Control charts forAttributes –Defects, defectives, fraction defective, control chart for fraction defective (p-chart) for fixed sample size and unknown standards, construction and working of chart. Control charts for number of defects (C-chart) for unknown standards, construction and working of C-chart.

Unit-2: **(18 hrs.)**

2.1 Testing of Hypothesis - I: Notion of Population, Sample, Parameter, Statistic, Sampling distribution of Statistics $\bar{X}$ and S^2 when sample is drawn from normal distribution (statement only). Hypothesis, simple and composite hypothesis, null and alternative hypothesis, type I and type II errors, critical region, level of significance, p–value. One and two tailed test, power of test.

2.2 Testing of Hypothesis - II: General procedure of testing of hypothesis.

Small Sample Tests:

t – test : test for means: i) H_0: $\mu = \mu_0$, ii) H_0: $\mu_1 = \mu_2$, (when $\sigma_1^2 = \sigma_2^2$), iii) Paired t-test.

χ^2 – test : Test for population variance H_0: $\sigma^2 = \sigma_0^2$ (Mean known and unknown),

F–test : test for equality of two population variances; H_0: $\sigma_1^2 = \sigma_2^2$

Large Sample Tests:

A) Tests for means: i) Testing of population mean; H_0 : $\mu = \mu_0$

ii) Testing equality of population means; H_0: $\mu_1 = \mu_2$

B) Tests for proportion: i) Testing of population proportion; H_0 : $p = p_0$

ii) Testing equality of population proportions; H_0: $p_1 = p_2$

C) Tests for correlation by using Fisher's Z–Transformation:

i) Testing of population correlation; H_0 : $\rho = \rho_0$

ii) Testing equality of population correlations; H_0: $\rho_1 = \rho_2$.

D) χ^2 – tests for: i) Goodness of fit of given probability distribution and

ii) Test for independence of attributes when data is in the form of :

a) mxn contingency table and

b) 2x2 contingency table - Yate's correction for continuity.

References and Recommended Readings:

1) Chatfield C. : "The Analysis of Time Series –An Introduction", Chapman & Hall.

2) Gupta S. C. & Kapoor V. K., "Fundamentals of Applied Statistics", Sultan Chand & Sons, New Delhi.

3) Kendall M.G. : "Time Series", Charles Griffin.

4) Dr. Kore B. G. and Dr. Dixit P. G.: "Statistical Methods-II", Nirali Prakashan, Pune.

5) Montgomery D. C. : "Introduction to quality Control", John Wiley and sons.

6) Snedecor G.W. and Cochoran W. G. "Statistical Methods",Lowa State University Press.

7) Mayer, P. L. : Introductory Probability and Statistical Applications, AddisionWeseley Pub. Comp. London.

8) Kulkarni, M. B. Ghatpande, S. B. and Gore, S. D. :"Common Statistical Tests"Satyajeet Prakashan, Pune – 11029.

9) Gupta, S. P. :"Statistical Methods", Sultan Chand and Sons, 23, Daryaganj, New Delhi 110002.

10) MukhopadhyaParimal : "Applied Statistics", New Central Book Agency, Pvt. Ltd. Calcutta.

11) MukhopadhyaParimal: "Mathematical Statistics", New Central Book Agency, Pvt. Ltd. Calcutta.

Equivalence for Theory Papers

Old Syllabus		**Revised Syllabus**	
Semester No. Paper No.	**Title of the Paper**	**Semester No. Paper No.**	**Title of the Paper**
Semester III Paper V	Probability Distributions-I	Semester III DSC – C7 **STATISTICS - V**	Probability Distributions-I
Semester III Paper VI	Statistical Methods-I	Semester III DSC – C8 **STATISTICS - VI**	Statistical Methods-I
Semester IV Paper VII	Probability Distributions-II	Semester IV DSC – D7 **STATISTICS - VII**	Probability Distributions-II
Semester IV Paper VIII	Statistical Methods-II	Semester IV DSC – D8 **STATISTICS - VIII**	Statistical Methods-II

B. Sc. Part – II (Semester – III and IV)
Statistics Practical
(Practical Paper-II and Practical Paper-III)
Marks -100 (Credits: 08)

Pre requisites: Knowledge of the topics in the theory papers and MS-Excel.

Course Outcomes: Students will able to;

i) fit plane of multiple regression, judge for its goodness of fit by residual plot and compute multiple and partial correlation coefficients.

ii) know applications of some standard continuous probability distributions.

iii) know applications of some standard bivariate discrete probability distributions.

iv) understand how to obtain random sample from various probability distributions.

v) sketch of the p.m.f./p.d.f. for given parameters.

vi) fit and test the goodness of fit of specified distribution for given data.

vii) test various hypothesis about parameters of specified distribution for given data.

viii) construct various control charts.

ix) apply appropriate statistical methods while doing project on real life problems.

Practical Paper-II (Credit 2+2)
List of Groups and Practicals for Paper-II :

Group No.	Group Name	Practical No.	Name of Practical
1	**Model Sampling From Univariate Discrete Distributions on Finite Support**	**1**	Model Sampling from Discrete Uniform Distribution
		2	Model Sampling from Binomial Distribution
		3	Model Sampling from Hypergeometric Distribution
2	**Fitting and Testing Goodness of Fit of Univariate Discrete Distributions on Finite Support**	**1**	Fitting and Testing Goodness of Fit of Discrete Uniform Distribution
		2	Fitting and Testing Goodness of Fit of Binomial Distribution
		3	Fitting and Testing Goodness of Fit of Poisson Distribution
3	**Model Sampling From Univariate Discrete Distributions on Infinite Support**	**1**	Model Sampling from Poisson Distribution
		2	Model Sampling from Geometric Distribution
		3	Model Sampling from Negative Binomial Distribution
4	**Fitting and Testing Goodness of Fit of Univariate Discrete Distributions on Infinite Support**	**1**	Fitting and Testing Goodness of Fit of Poisson Distribution
		2	Fitting and Testing Goodness of Fit of Geometric Distribution
		3	Fitting and Testing Goodness of Fit of Negative Binomial Distribution
5	**Model Sampling From Univariate Continuous Distributions**	**1**	Model Sampling from Continuous Uniform and Exponential Distribution
		2	Model Sampling from Laplace (Double Exponential) Distribution
		3	Model Sampling from Normal Distribution
6	**Fitting and Testing Goodness of Fit of Univariate Continuous Distributions**	**1**	Fitting and Testing Goodness of Fit of Uniform and Exponential Distribution
		2	Fitting and Testing Goodness of Fit of Laplace (Double Exponential) Distribution
		3	Fitting and Testing Goodness of Fit of Normal Distribution
7	**Exponential and Laplace Distribution**	**1**	Applications of Exponential and Laplace Distribution
8	**Normal Distribution**	**1**	Applications of Normal Distribution

Practical Paper-III (Credit 2+2)
List of Groups and Practicals for Paper-III :

Group No.	Group Name	Practical No.	Name of Practical
1	**Trivariate Data Analysis**	**1**	Multiple Regression Equations
		2	Multiple Correlation Coefficients
		3	Partial Correlation Coefficients
2	**Time Series and SQC**	**1**	Time Series : Computation of Secular Trend and Seasonal Component
		2	SQC: Control Charts for Variables (R and $\overline{X}$ charts)
		3	SQC: Control Charts for Attributes (p, np and c Charts)
3	**Index Numbers**	**1**	Index Numbers–I
		2	Index Numbers–II
4	**National Income**	**1**	National Income
5	**Testing of Hypotheses**	**1**	Practical on Basic Terminologies with respect to Hypothesis Testing
		2	Large Sample Test for Testing of Hypothesis about population Mean (s).
		3	Large Sample Test for Testing of Hypothesis about population Praportion (s).
		4	Large Sample Test for Testing of Hypothesis about population Correlation (s).
6	**Application of Chi-Square, Student's t and F Statistics**	**1**	Applications of Chi-Square Statistic
		2	Applications of Studen's t-Statistic
		3	Applications of F-Statistic
7	**Application of Bivariate Discrete Distributions**	**1**	Applications of Trinomial Distribution
		2	Applications of Bivariate Poisson Distribution
8	**Plotting of Probability Distributions by using MS-Excel**	**1**	Sketching of Discrete Probability Distributions
		2	Sketching of Continuous Probability Distributions

Note:

a) Practicals should be conducted as per the "Statistics Practical Workbook for B. Sc. II" which is made available on Shivaji University Website under Syllabus.

b) Students must complete all practicals by using MS-EXCEL.

c) MS-EXCEL should be used at the time of practical examination for computation purpose.

d) For fitting of all distributions, test of goodness of fit is necessary.

e) For model sampling from all distributions, inverse c.d.f. transformation Method has to be used in Practical - II.

f) For practicals on fitting of discrete distributions, probabilities are to be calculated by recurrence relation only.

g) Student must complete the entire practical to the satisfaction of the teacher concerned.

h) Project Work OR Study Tour: Students should do project, especially on real life problems. Primary data will be preferable. Students will be asked to use statistical techniques/tools which they have learnt during their B. Sc. I and B. Sc. II program. Students may do project work in groups and number of students in a group should not exceed FOUR. **OR**

Statistics Department of affiliated college may organize Study Tour to Industry or Educational Instituitions where students can learn about Statistics/ possible areas where Statistical Methods can be applied. Students will be asked to write Study Tour Report.

i) Student must produce the laboratory journal along with the completion certificate signed by Head of Department, at the time of University practical examination.

Laboratory Requirements:
Laboratory should be well equipped with at least 20 computers along with MS-Office, at least two printers, sufficient back up facility (UPS/ Inverter/ Generator).

Nature of Practical Examination:

a) Student will be asked to solve/attempt any FOUR problems out of EIGHT for every Practical Paper (Practical Paper II and Paper III). These EIGHT problems are selected from EIGHT Groups, ONE problem from each Group. Each problem will carry 10 marks.
b) 5 marks will be reserved for Practical Journal complition and 5 marks for oral on entire practical work. (Paper-II and Paper–III).

c) 10 marks will be reserved for Project Work OR Study Tour Report and oral on it.

d) MS-EXCEL should be used for computaton purpose. Students evaluation during practical examination will be online and students should demonstrate / explain his computations to the examiner.

e) Practical examination of each Paper will be of 4 hours duration which includes oral as well as online demonstration.
f) There should be two subject experts at the time of Practical Examination.

Nature of Question Paper for Theory Examination (40+10 Pattern) as per NEP–2020:

Maximum Marks: 40
Duration : 2 Hrs

Que. 1 Select the most correct alternative from the following [8 Marks]
i) to viii) MCQ One mark for each with four options
A) B) C) D)

Que. 2 Attempt any TWO of the following [16 Marks]
a)
b)
c)

Que. 3 Attempt any FOUR of the following [16 Marks]
a)
b)
c)
d)
e)
f)

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.Sc Part- III

Zoology

Syllabus to be implemented from

June, 2020 onwards.

SHIVAJI UNIVERSITY, KOLHAPUR

Revised Syllabus for Bachelor of Science

B. Sc. III – Zoology –To be implemented from June 2020

GENERAL OBJECTIVES OF THE COURSE

1) Aims:

1. To impart the knowledge of animal science to the pupils.
2. To make the pupils to use the knowledge in their daily life.
3. To make the pupils aware of natural resources and environment.
4. Application of knowledge in Zoology for nutrition, agriculture & live stock.
5. To provide practical experiences which form a part of their learning processes.
6. To develop aptitude for scientific work & ability to pursue studies far beyond graduation.
7. To encourage the pupils to take life science as a carrier which is the need now a days.
8. To make the pupils fit for the society.

2) Objectives –

1. To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of animal science, natural phenomenon, manipulation of nature & environment by man.
2. Understanding the scientific terms, concepts, facts, phenomenon & their interrelationships.
3. Applications of the knowledge.
4. To develop skills in practical work, experiments & laboratory materials, instruments.
5. To develop interests in the subject & scientific hobbies.
6. To develop scientific attitude which is the major objective? This makes the students open minded, critical observations, curiosity, thinking etc.
7. Abilities to apply scientific methods, collection of scientific data, problem solving, organize science exhibitions, clubs etc.
8. Appreciation of the subject, contributions of scientists, scientific methods, scientific programs etc.

3) DURATION

- The course shall be full time course.
- The duration of course shall be three years.

4) PATTERN: Pattern of Examination will be semester for theory and annual for practical with INTERNAL ASSESSMENT (Project/Seminar/Field work for theory) Scheme

5) MEDIUM OF INSTRUCTION: The medium of instruction shall be in English.

6) STRUCTURE OF COURSE: B.Sc. III – Zoology THEORY – No. of papers: Eight, No of practicals: Four SEMESTER V-Paper IX to XII & SEMESTER VI- Paper XIII to XVI

SEMESTER-V Theory

Sr. No.	Subject	Marks	University	Internal
1	Zoology Paper- IX	50	40	10
2	Zoology Paper- X	50	40	10
3	Zoology Paper- XI	50	40	10
4	Zoology Paper- XII	50	40	10
				Total=200

SEMESTER-VI Theory

Sr. No.	Subject	Marks	University	Internal
1	Zoology Paper- XIII	50	40	10
2	Zoology Paper- XIV	50	40	10
3	Zoology Paper- XV	50	40	10
4	Zoology Paper- XVI	50	40	10
				Total = 200

PRACTICALS- Annual

09	Practical—V	50
10	Practical – VI	50
11	Practical – VII	50
12	Practical – VIII	50
	Total	200

Total = 600

7. SCHEME OF TEACHING AND EXAMINATION (Teaching scheme - Hrs/Week)

No	Sem. - V	Sem. - VI	L	P	Total
1	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
2	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
3	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
4	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
			12		**12**
1	Practical V			5	
2	Practical VI			5	
3	Practical VII			5	
4	Practical VIII			5	
				20	**20**
	Total				**32**

8) SCHEME OF EXAMINATION

Question paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each unit of syllabi.

9) EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS (FOR REVISED SYLLABUS)

Refer copy of revised syllabus

10) OTHER FEATURES

1. Required Books, Journals stated in each syllabus of Part I, Part II and Part III Zoology and Fisheries.

A) LIBRARY : Reference and Text Books, Journals, and Periodicals, Reference Books for Advanced Studies.

B) SPECIFIC EQUIPMENTS: Necessary to run the Course (T.V., L.C.D., andOverhead Projector), (Computer and necessary software's, operating systems etc.)

C) LABORATORY SAFETY EQUIPMENTS

- Fire Extinguishers at least two sets in each laboratory. (Lab. area 600 sq.ft.)

- Leakage of gases be avoided.
- Primary medical aid box (First Aid Kit)
- Sugar / Glucose – 500 gm pack: Pinch of sugar and a cup of drinking water in hypoglycemic condition. OR In extreme weakness of student or person concerned.
- Rules of animal ethics should be strictly followed.

D) LABORATORY INSTRUCTIONS

1) Always wear an apron inside the laboratory. Do not wear it outside.
2) Do not drink or eat inside the laboratory.
3) Do not place pencil, fingers or any material in the mouth. Moisten labels with water.
4) Use microscopes and other instruments carefully.
5) Discard all used glassware such as test tube, pipettes, petry-plates, glass slides in a receptacle meant for it.
6) Put cotton plugs, papers, matches, waste dissection material etc. in a waste-paper basket. Do not throw them in sink not leave them on desk or floor.
7) Regard all cultures as pathogenic. Take every precaution against infection.
8) Report all accidents to the instructor immediately.
9) Wash hands thoroughly with soap and water before and after dissection and experiment.
10) Always turn off water, gas and electricity before leaving the laboratory.
11) When students enter in laboratory they should have – A Laboratory Journal, pencil and eraser, foot rule, dissection box with dissecting instruments, a small napkin.
12) All drawings must be made with drawing pencil only.
13) As the journal is to represent student's bonafide work during the whole year, student should keep it as clean as possible and DO NOT LOOSE IT
14) Students should not forget that unless their journals are certified, they are not allowed to appear for the university examination

11) COMMON NATURE OF QUESTION FOR THEORY

PAPER: SEMISTER – V Zoology Paper (IX, X, XI, XII)

SEMISTER – VI Zoology Paper (XIII, XIV, XV, XVI)

Q. 1	Multiple Choice Questions (Eight questions)	08
Q. 2	Long answer questions (Attempt any two out of three)	16
	A.	
	B.	
	C.	
Q. 3	Shorn Notes (Attempt any four out of Six)	16
	a.	
	b.	
	c.	
	d.	
	e.	
	f.	

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SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- IX

DSE-E29 (COMPARATIVE ANATOMY OF VERTEBRATES)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Integumentary System	4
1. Generalized structure of integument	
2. Functions of Integument	
3. Soft and Hard epidermal derivatives	
4.Hard epidermal derivatives	
Unit 2: Skeletal System	4
1. Vertebral column	
2. Appendicular skeleton	
Unit3: Digestive System	4
Brief account of alimentary canal and digestive glands	
Unit 4: Respiratory System	4
Brief account of Gills, lungs, air sacs	
Unit 5: Circulatory System	4
Evolution of heart and aortic arches	
Unit 6: Evolution of Kidney	3
Succession of kidney	
Unit 7: Nervous System	3
Comparative account of brain	
Unit 8: Sense Organs	4
Comparative account of ear and eye of vertebrates	

SUGGESTED READINGS:

1. Kardong, K.V. (2005) Vertebrates' Comparative Anatomy, Function and Evolution. IV Edition. McGraw-Hill Higher Education. Kent, G.C. and Carr R.K. (2000). Comparative Anatomy of the Vertebrates. IX Edition
2. The McGraw-Hill Companies. Hilderbrand, M and Gaslow G.E. Analysis of Vertebrate Structure, John Wiley and SonsWalter, H.E. and Sayles, L.P; Biology of Vertebrates, Khosla Publishing House.

3. Outlines of comparative anatomy, Romer & Parsons, Central Book Depot, The Vertebrate Body (Saunders).
4. Biology of Vertebrates Walter & Sayles; (McMillan).

5. Chordate Zoology, P.S. Dhami & J. K. Dhami - R. Chand & Co., New Delhi.
6. Modern Textbook of Zoology, R. L. Kotpal, Rastogi Publications, Meerut.
7. The Life of Vertebrates, 3rd Edition, 1993, J. Z. Young E. L. B.S. Oxford.
8. Chordate Zoology - E.L. Jordan, S. Chand & Co., New Delhi.
9. The Phylum Chordata - 1987, H.H. Newman, Distributor Satish Book Enterprise, Agra. 8. Comparative Anatomy of the Vertebrates G. C. Kent.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- X

DSE-F29 (Molecular Cell Biology and Animal Biotechnology)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Molecular Biology – 7

1) DNA Replication (Semiconservative mode)
2) DNA Damage and Repair mechanism
3) Regulation of gene expression- Operon concept
4) Genetic Code:
    i) Properties of Genetic code
    ii) Codon assignment
    iii) Wobble hypothesis

Unit 2: Protein synthesis 8

A) Transcription

i) Process in prokaryotes and eukaryotes

ii) RNA polymerase

iii) Post transcriptional modification in RNA

B) Translation in prokaryotes and eukaryotes

i) Initiation

ii) Elongation

iii) Termination

Unit 3 : Molecular Techniques in Gene manipulation 15

1. Restriction enzymes: Nomenclature, detailed study of Type II.
2. Characteristics of Cloning vectors: Plasmids, Cosmids, Phagemids, Lambda Bacteriophages
3. Gene cloning: Transformation techniques by Calcium chloride method and electroporation
4. Construction of genomic and cDNA libraries
5. Southern, Northern and Western blotting
6. DNA sequencing: Sanger method
7. Polymerase Chain Reaction,
8. DNA Finger Printing
9. DNA micro array

SUGGESTED READINGS:

1. Brown, T.A. (1998). Molecular Biology Labfax II: Gene Cloning and DNA Analysis. II Edition, Academic Press, California, USA. Glick, B.R. and Pasternak, J.J. (2009).
2. Molecular Biotechnology - Principles and Applications of Recombinant DNA. IV Edition, ASM press, Washington, USA. Griffiths, A.J.F., J.H. Miller, Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. (2009).
3. An Introduction to Genetic Analysis. IX Edition. Freeman and Co., N.Y., USA. Snustad, D.P. and Simmons, M.J. (2009).
4. Principles of Genetics. V Edition, John Wiley and Sons Inc. Watson, J.D., Myers, R.M., Caudy, A. and Witkowski, J.K. (2007).
5. Recombinant DNAGenes and Genomes- A Short Course. III Edition, Freeman and Co., N.Y., USA. Beauchamp, T.I. and Childress, J.F. (2008).
6. Principles of Biomedical Ethics. VI Edition, Oxford University Press.
7. Cell and Molecular Biology, 8th Edition, De. Robertis EDP and De Robertis Jr. EMF, Lippincott Williams and Wilkins,Philadelphia.
8. Cell Biology, C.B. Powar, Himalaya Publication House.
9. Cell and Molecular Biology, EJ. Dupraw, Academic Press, NewYork.
10. Cell Structure and Function - A. G. Loewy, P. Siekevitz, J. R. Meninger & J. A. N. Gallant, Saunder College, Philadelphia.
11. Molecular Biology of the Cell - 3rd Edition, Bruce Alberts, Dennis Bray, Julian Lewis, Martin Raff, K. Roberts & James D. Watson, Garian Publishing, New York.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XI

DSE-F30 (Biotechniques and Biostatistics)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit I: Genetically Modified Organisms 9

1. Production of cloned and transgenic animals:
    a. Nuclear Transplantation
    b. Retroviral Method
    c. DNA microinjection
2. Applications of transgenic animals:
    a. Productions of pharmaceuticals
    b. Production of donor organs
3. Knockout mice.

Unit II: Culture Techniques and Applications 6

a. Animal cell culture: Introduction, principle and applications
b. Stem Cells: Introduction to stem cells
    i) Potency of stem cells: Totipotency, Pleurepotency, Multipotency, Unipotency
    ii) Sources of stem cells-Embryo, Fetal, Adult, Bone marrow

Unit III: Biostatistics 15

a. Classification of Biological data
b. Frequency distribution
c. Tabulation
d. Graphical representation of data
e. Measures of central tendency (Mean, Median, Mode)
f. Dispersion – Mean, deviation & standard deviation
g. Correlation – Scattered diagram, Karl Pearson's correlation coefficient and Spearman's rank correlation coefficient.

SUGGESTED READINGS:

1. Brown, T.A. (1998). Molecular Biology Labfax II: Gene Cloning and DNA Analysis. I Edition, Academic Press, California, USA. Glick, B.R. and Pasternak, J.J. (2009). Molecular Biotechnology - Principles and

2. Applications of Recombinant DNA. IV Edition, ASM press, Washington, USA. Griffiths, A.J.F., J.H. Miller, Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. (2009)
3. An Introduction to Genetic Analysis. IX Edition. Freeman and Co., N.Y., USA. Snustad, D.P. and Simmons, M.J. (2009).
4. Principles of Genetics. V Edition, John Wileyand Sons Inc. Watson, J.D., Myers, R.M., Caudy, A. and Witkowski, J.K. (2007).
5. Recombinant DNAGenes and Genomes- A Short Course. III Edition, Freeman and Co., N.Y., USA.Beauchamp, T.I. and Childress, J.F. (2008).
6. Principles of Biomedical Ethics. VI Edition Oxford University Press.
7. Elements of Biotechnology - P. K. Gupta, Rastogi Publications.
8. Gene V & VI, 1994, Lewin B., Oxford University Press, Oxford.
9. Concept of Genes-Pearson Edition 9.Cell and Molecular Biology

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XII

DSE-F31 (AQUATIC BIOLOGY)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Aquatic Biomes **10**

a. Freshwater ecosystem (lakes, wetlands, streams and rivers),
b. Estuaries
c. Intertidal zones
d. Oceanic pelagic zone
e. Marine benthic zone
f. Coral reefs

Unit 2: Freshwater Biology **10**

1. Lakes
    a. Lake as an Ecosystem
    b. Lake Morphometry
    c. Physico-chemical characteristics
        i. Light
        ii. Temperature
        iii. Thermal Stratification
        iv. Dissolved solids
        v. Carbonates
        vi. Bicarbonates
        vii. Phosphates and Nitrates
        viii. Turbidity
        ix. Dissolved gases (Oxygen Carbon dioxide)
        x. Nutrient Cycle – (Nitrogen, Sulphur and Phosphorus)
2. Streams
    a. Different stages of stream development
    b. Physico-chemical Environment
    c. Adaptation of hill stream fishes

Unit 3: Endocrinology 10

a. Study of endocrine glands – Anatomy and histology

b. Hormones- Nature, role, regulation and disorders with reference to the following

thyroid gland, parathyroid gland, adrenal gland and islets of Langerhans

SUGGESTED READINGS:

1. Anathakrishnan : Bioresources Ecology 3rd Edition
2. Goldman : Limnology, 2nd Edition
3. dum and Barrett : Fundamentals of Ecology, 5th Edition
4. Pawlowski : Physicochemical Methods for Water and Wastewater Treatment, 1st
5. Edition Wetzel : Limnology, 3rd edition
6. Trivedi and Goyal : Chemical and biological methods for water pollution studies
7. Welch : Limnology Vols. I-II
8. Animal Physiology – Nelson (Cambridge)
9. Endocrinology – Hadely
10. General Endocrinology – Bangara and Turner (W.B. Saunders)
11. Reproductive Physiology – Nalbandov A. V.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XIII

DSE-E30 (DEVELOPMENTAL BIOLOGY OF VERTEBRATES)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1 : Gametogenesis 6

1. Types of Eggs
2. Fertilization – Types and Process of Fertilization
3. Types of Cleavages

Unit 2: Early Development of Frog 6

1. Structure of mature egg and its membranes
2. Cleavage
3. Blastula and its fate map
4. Process of gastrulation
5. Types of Morphogenic Movements
6. Fate of three germinal layers
7. Neurulation
8. Metamorphosis in frog and its hormonal regulation

Unit 3: Chick Embryology 15

1. Structure of sperm
2. Structure of egg and vitellogenesis
3. Fertilization and cleavage
4. Blastula and its fate map
5. Process of gastrulation
6. Organogenesis
    a. Development of neural tube and brain up to 72 hours of incubation
    b. Development of gut up to 72 hours of incubation
    c. Development of blood and heart up to 72 hours of incubation
    d. Foetal membranes and significance

Unit 4: Late Embryonic Development 3

1. Implantation of embryo in human being
2. Placenta – Formation, types and significance

SUGGESTED READINGS:

1. An Introduction to Embryology 1981, Balinsky B.L., Saunders College,Philadelphia.
2. Developmental Biology; Patterns/Principles/Problems, 1982, Saunders J. W. Collier MacMillan, Publishers, London.
3. Developmental Biology, 1997, 3rd Edition, Gilbert S.F. Saunder Associates Inc. U.S.A.
4. Developmental Biology, 1992 3rd edition, Browder L.W. Erickson C.A. & Williams, R J. Saunders College, Publications, London.
5. A Text Book of Embryology, Dr. Puranik P. G., S. Chand & Co. 6. Developmental Biology, 1984, Browder L.W. , Saunders College Publicaions, U.S.A.
6. Development of Chick embryo, 1972, Lillie. 8. Developmental Biology, 1991, 3rd Edition, Sinaur Associates, Inc. U.S.A.Gilbert, S. F. (2006).
7. Developmental Biology, VIII Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts, USA. Balinsky, B.I. (2008).
8. An introduction to Embryology, International Thomson ComputerPress. Carlson, Bruce M (1996). Patten's Foundations of Embryology, McGraw Hill, Inc.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XIV

DSE-E32 (IMMUNOLOGY)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Overview of the Immune System 7

1. Introduction to basic concept in immunology
2. Principles of innate and adaptive immune system

Unit 2: Cells and Organs of the immune system 8

1. Haematopoeisis
2. Cells of immune system
3. Organs (Primary and Secondary lymphoid organs) of the immune system
4. Immune responses- Humoral and cell mediated

Unit 3 : Antigens 7

1. Basic properties of antigens
2. B and T cell epitopes

Unit 5: Immunoglobulin / Antibodies 8

1. Structure, Classes and Functions of Antibodies
2. Antigen – Antibody interactions
3. Hybridoma Technology: Monoclonal Antibodies in diagnosis and therapeutics

SUGGESTED READINGS:

1. Kindt, T. J., Goldsby, R.A., Osborne, B. A. and Kuby, J (2006). Immunology, VI Edition. W.H. Freeman and Company. David, M., Jonathan, B., David, R. B. and Ivan R. (2006).
2. Immunology, VII Edition, Mosby, Elsevier Publication. Abbas, K. Abul and Lechtman H. Andrew (2003.) Cellular and Molecular
3. Immunology. V Edition. Saunders Publication.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XV

DSE-E31 (Applied Zoology - II)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Apiculture 8

1. Types and casts of honey bee
2. Honey Comb
3. Bee Keeping
    a. Artificial models of bee hive – Newton and Langstroth models
    b. Bee keeping Equipments
    c. Extraction of Honey
4. Medicinal Value of Honey

Unit 2 : Animal Husbandary 5

1. Indigenous and exotic breeds of cattle
2. Preservation and artificial insemination in cattle
3. Induction of early puberty
4. Synchronization of estrus in cattle
5. Commercial importance of dairy farming

Unit 3: Pearl culture 4

1. Species of oyster
2. Process of Pearl formation: natural and artificial
3. Maintenance of oysters
4. Harvesting
5. Importance of Pearl

Unit 4: Freshwater prawn culture **3**

1. Species of Prawn
2. Site selection
3. Farm Construction
4. Production system: fertilization, Larval Development, Food and feeding
5. Harvesting

Unit 5: Fish Technology **5**

Genetic improvements in aquaculture industry:

1. Induced breeding
2. Transportation of fish seed
3. Feeding and development
4. Harvesting and Marketing

Unit 4 : Goat Farming- **5**

1. Breeds
2. Feeding
3. Housing
4. Economic Importance

SUGGESTED READINGS:

1. Mollusca - Hyman.
2. Prawn and Prawn Fishery of India - Kurian.
3. Fish Culture - K. H. Alikuhni.
4. Fish Culture - Lagter.
5. Fishes of India. - Khanna.
6. Hand Book of Animal Husbandary and Dairy - Mudlyer.
7. Bee keeping in India - Sardar Sing.
8. Bee Keeping in India- M. G. Smith.
9. Poultry keeping in India - Naidu P.N.M.
10. Poultry Husbandary - M. A. Jule. 18. Poultry Husbandary - Moarthy.
11. Outlines of Dairy Technology - Sukumar De.
12. Milk and milk products - Clarence Henry Eckles,Willes Barnes Combs, Harold Macy

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XVI

DSE-F32 (Insect Vectors and Histology)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit I: Dipteran as Disease Vectors 18

1. Dipteran as important insect vectors
    a. Mosquitoes
    b. Sand fly
    c. Houseflies
2. Study of mosquito born diseases –
    a. Malaria
    b. Dengue
    c. Chikungunya
    d. Viral encephalitis
    e. Filariasis
3. Control measures of Mosquitoes
4. Study of house fly as important mechanical vector
    a. Myiasis, Control of house fly

Unit II: Siphonoptera as Disease Vectors 6

1. Fleas a important insect vectors
2. Host-specificity
3. Study of Flea-borne diseases
    a. Plague
    b. Typhus fever
4. Control of fleas

Unit III: Histology of mammalian organs 6

Tooth, tongue, Salivary glands, Stomach, Duodenum, Ileum, Liver, Pancreas, Kidney

SUGGESTED READINGS:

1. Imms, A.D. (1977). A General Text Book of Entomology. Chapman & Hall, U K Chapman, R.F. (1998).
2. The Insects: Structure and Function. IV Edition, Cambridge University Press, U K Pedigo L.P. (2002).
3. Entomology and Pest Management. Prentice Hall PublicationMathews, G. (2011).
4. Integrated Vector Management: Controlling Vectors of Malaria
5. Insect Vector Borne Diseases. Wiley-Blackwell
6. Textbook of Histology: Bloom W and Fawcett D.W.
7. Histology: Lippinocott. Ham, A.W.
8. Histology: Greep, R.O and well, L.
9. An Atlas of Histology. Heinemann Educational Book Ltd. London and ELBS: Freeman. W.H. and Bracegirdle, B.
10. Microscopic Anatomy of vertebrates, Lea and Febigen. Philaldelphia: Kendall, J.I.
11. Histology of Mammals: Athavale, M.V and Latey, A. N.

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – I (Credits-02)

Comparative anatomy and developmental biology of vertebrates

I. Comparative Study of following

1. V.S. of skin of vertebrates
2. Digestive system of vertebrates
3. Respiratory system of vertebrates
4. Heart of vertebrates
5. Brain of vertebrates
6. Osteology
    a) The skeleton of fowl (Disarticulated)
    b) The skeleton of rabbit (Disarticulated)
    c) Mammalian skull's – (any one herbivorous and one carnivorous animal)

II. Study of developmental stages of frog.

1. Cleavage
2. Blastulation
3. Gastrulation
4. Neurulation
5. Stages of metamorphosis in frog
    a. External gill stage
    b. Internal gill stage
    c. Forelimb stage
    d. Hind limb stage
    e. Tail bud stage
    f. Juvenile stage

III. Study of Chick Embryo

12. Whole mount of chick embryo – 18, 24, 33, 48 and 72 hours.
13. T.S. of chick embryo – 18, 24, 33, 48 and 72 hours.

VI. Preparation of whole mount chick embryo.

IV. Study of Histological structures of placenta (permanent slide or microphotographs)

1) Epitheliochorial
2) Endotheliochorial
3) Hemochorial
4) Syndesmochorial
5) Hemoendothelial

V. Examination of Gametes – Frog or Rat sperm & ovum through slides or microphotographs.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Practical – II (Credits-02)

Applied Zoology – II and Immunology

Unit 1: Applied Zoology

1. Apiculture
    a. Casts of Honey Bees
    b. Bee Hive(Photographs or models)
    c. Pollen Basket
    d. Sting Apparatus
    e. Honey
    f. Newton's model of Bee Hive (Photographs or models)
    g. Bee keeping Equipments (Photographs or models)

2. Preservation & Artificial insemination in cattles
8. Pearl culture
    a. Species of oyster
    b. Process of Pearl formation: natural and artificial
    c. Importance of Pearl
9. Freshwater prawn culture
    a. Species of Prawn
    b. Site selection
    c. Farm Construction
    d. Production system
    e. Harvesting
10. Goat farming
    a. Breeds (any four = 2 Indigenous and 2 Exotic)
    b. Housing
    c. Feeding

6. Visit to goat farm or animal breeding centre – submission of visit report

B] Immunology

1. Study of lymphoid organ's (Photograph, Models, Videos)
2. Histological study of (slides or photographs)
    a. Spleen
    b. Thymus
    c. Lymph nodes
3. Preparation of stained blood smears to study various types of blood cells
4. Determination of ABO blood groups
5. Demonstration of
    a. ELISA
    b. Immuno-electrophoresis

C] Cell counting and viability test from splenocytes of farm breed animals / cell lines

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – III (Credits-02)

Molecular biology, Animal biotechnology, Biostatistics & Biotechniques

I] Microtechnique

1. Preparation of permanent histological slides by HE technique
2. Histochemical technique
    a. AB PH 1 technique
    b. AB PH 2.5 technique
    c. PAS technique

II] Biotechniques

1. Chromatography – Separation of amino acid by paper chromatography
2. DNA isolation
3. Demonstration of DNA by feulgan technique
4. To study the following technique (photographs)
    a) Southern blotting
    b) Northern blotting
    c) Western blotting
    d) DNA sequencing (Sangers method)
    e) PCR
    f) DNA fingerprinting

III) Biostatistics

Any 10 example based on theory

IV] Project (any suitable work possible in local area or from the syllabus) Report of the same to be submitted at the time of practical examination

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – IV (Credits-02)

Aquatic biology, insect vector & diseases

A] Aquatic biology

1. Determination of area of a lake using graphimetric & gravimetric method
2. Identify the zooplanktons present in lake ecosystem
3. Determination of turbidity or transparency from nearby lake or water body
4. Determination of dissolved oxygen
5. Determination of free CO_2
6. Determination of alkalinity (Carbonates & bicarbonates) from water collected from nearby lake or water body
7. Estimation of total hardness of water
8. Instruments used in limnology & their significance
   a) Secchi disc
   b) Van Dorn bottle
   c) Conductivity meter
   d) Turbidity meter
   e) PONAR grab sampler
9. Visit to seashore/water reservoir/animal sanctuary to study animal diversity. Report of tour should be submitted at the time of practical examination
10. Endocrine glands (Anatomy and Histology) – Thyroid, Parathyroid, Adrenal and Pancreas.

B] Insect Vectors & diseases

10. Study of different kinds of mouthparts of insects
    a) Chewing & biting
    b) Chewing & lapping
    c) Piercing & sucking
    d) Sponging
    e) Siphoning
11. Study of following insect vectors through permanent slides or photograph
    a) Insect vector – Mosquito, sandfly & housefly
    b) Study of mosquito born diseases – Malaria, dengue, chikungunya, encephalitis, filariasis
    c) Study of sandfly born diseases – Visceral leishmanians, Cutaneous leishmanians, Phlebotomus fever
    d) Study of housefly born diseases – Myiasis
    e) Study of flea born diseases – Plague, typhus
12. Histology of Following mammalian organs-
    a) Tooth (V.S.) b) Tongue c) Salivary gland d) Stomach e)Duodenum f) Ileum g) Liver h) Pancreas i) Kidneys

Estd. 1962
"A++" Accredited by NAAC(2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416004, MAHARASHTRA
PHONE : EPABX – 2609000,
www.unishivaji.ac.in, **bos@unishivaji.ac.in**
शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४,महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दुरध्वनी विभाग २३१–२६०९०९३/९४

SU/BOS/Science/ **Date:** 14 SEP 2022
No 00235

To,
The Principal,
All Affiliated Concerned Science Colleges/Institutions
Shivaji University, Kolhapur.

Subject :- Regarding syllabi of M.Sc., & B. Sc. (NEP-2020) adegree programme under the Faculty of Science and Technology as per National Education Policy, 2020 .

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi and Nature of question paper of **M.Sc., & B. Sc. (NEP-2020) System** under the Faculty of Science and Technology **as per National Education Policy, 2020 .**

Sr. No.	Faculty of Science and Technology	Programme/ Course
1	Zoology	M. Sc. Part- I Zoology
		B. Sc. Part- I Zoology

This syllabi and nature of question paper shall be implemented from the Academic Year 2022-2023 onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (students Online Syllabus)

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy Registrar

Copy to:

1	The Dean, Faculty of Science & Technology	7	Appointment Section
2	Director, Board of Examinations and Evaluation	8	P.G.Seminar Section
3	The Chairman, Respective Board of Studies	9	Computer Centre (I.T.)
4	B.Sc. Exam	10	Affiliation Section (U.G.)
5	Eligibility Section	11	Affiliation Section (P.G.)
6	O.E. I Section	12	P.G.Admission Section

SHIVAJI UNIVERSITY, KOLHAPUR.

****

Accredited By NAAC with 'A++' Grade

CHOICE BASED CREDIT SYSTEM

Syllabus For

B.Sc. Part - I
ZOOLOGY

SEMESTER I AND II

(Syllabus to be implemented from June, 2022onwards.)

Choice Based Credit System with Multiple Entry and Multiple Exit Options

To be implemented from the Academic Year 2022-23

First Year Bachelor of Science (Level-5) Programme Structure (NEP-2020 PATTERN)

Sub Zoology

SEMESTER-I (Duration-6 Months)							
	Technical scheme						
	Theory				Practical		
CGPA Courses	Course code	Credits	Number of Lecture per week	Hours	Credits	Number of Lecture per week	Hours
	DSC-15A	02	05	04	02	04	3.2
	DSC-16A	02					
	AECC-A	02	04	3.2			
	Total-(A)	06	09		02	04	
Non CGPA Course	SEC-I	-	-	-	02	04	04
	VBC-I	-	-	-	01	02	02
SEMESTER-II (Duration-6 Months)							
CGPA Courses	DSC-15B	02	05	04	02	04	3.2
	DSC-16B	02					
	AECC-B	02	04	3.2			
	Total-(B)	06	09				
Non CGPA Course	SEC-I	-	-	-	02	04	04
	VBC-I	-	-	-	01	02	02
Total-(A+B)		12	18		04	08	6.4

<table>
<tr><td colspan="12">EXAMINATION SCHEME</td></tr>
<tr><td colspan="12">SEM-I</td></tr>
<tr><td colspan="7">THEORY</td><td colspan="5">PRACTICAL</td></tr>
<tr><td rowspan="5">CGPA COURSES</td><td></td><td>Credits</td><td>Hours</td><td>Max. Marks</td><td>Total Marks</td><td>Min. Marks for Passing</td><td>Hours</td><td>Credits</td><td>Marks</td><td>Total Marks</td><td>Min. Marks for Passing</td></tr>
<tr><td>DSC-15A</td><td>02</td><td>04</td><td>50</td><td rowspan="2">100</td><td rowspan="2">35</td><td colspan="4" rowspan="2">PRACTICAL EXAM IS ANNUAL</td><td></td></tr>
<tr><td>DSC-16A</td><td>02</td><td>04</td><td>50</td><td></td></tr>
<tr><td>AECC-B</td><td>02</td><td>3.2</td><td>50</td><td>50</td><td>18</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">NONCGPA</td><td>SEC-I</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>VBC-I</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td></td></tr>
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<tr><td rowspan="4">CGPA</td><td>DSC-15B</td><td>02</td><td>04</td><td>50</td><td rowspan="2">100</td><td rowspan="2">35</td><td>3.2</td><td>02</td><td>50</td><td>50</td><td>18</td></tr>
<tr><td>DSC-16B</td><td>02</td><td>04</td><td>50</td><td colspan="5">As per the BOS Guidelines</td></tr>
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<tr><td rowspan="2">NONCGPA</td><td>SEC-I</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td colspan="2">-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>VBC-I</td><td colspan="2"></td><td></td><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td></tr>
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List of SEC Courses (A student can opt any SEC irrespective of his own faculty)

- Apiculture
- Sericulture
- Vermiculture
- CMLT
- Aquarium Maintenance
- Bioinformatics

Link for the pool of SEC courses from

National Skills Qualification Framework (NSQF)

(You may add or delete any courses as per available facilities)

https://drive.google.com/file/d/176Vwvx4SC2ONrt69XADruzI2qnfBPI_o/view?usp=sharing

B. Sc. Part – I Semester –I

ZOOLOGY

DSC – 15A (ANIMAL DIVERSITY-I)

Theory: 30 hrs. (37.5 lectures of 48 minutes)

Marks -50 (**Credits: 02)**

Unit 1:

KingdomProtista **(3hrs.)**

General characters and classification up to classes; Locomotory organelles and locomotion in Protozoa

PhylumPorifera **(3hrs.)**

General characters and classification up to classes; Canal System in *Sycon*

PhylumCnidaria **(3hrs.)**

General characters and classification up to classes; Polymorphism in Hydrozoa

PhylumPlatyhelminthes **(3hrs.)**

General characters and classification up to classes; Life history of *Taenia solium*and its parasitic adaptations

PhylumNemathelminthes **(3hrs.)**

General characters and classification up to classes; Life history of *Ascaris lumbricoides* and its parasitic adaptations

Unit 2:

PhylumAnnelida **(3hrs.)**

General characters and classification up to classes; Metamerism in Annelida

PhylumArthropoda **(5hrs.)**

General characters and classification up to classes; Vision in Arthropoda, Metamorphosis inInsects

PhylumMollusca **(3hrs.)**

General characters and classification up to classes; Torsion in gastropods

PhylumEchinodermata **(4hrs.)**

General characters and classification up to classes; Water-vascular system in Asteroidea

Total Periods – 30 hrs

B. Sc. Part – I Semester –I

ZOOLOGY

DSC – 16 A (Cell Biology and Evolutionary Biology)

Theory: 30 hrs. (37.5 lectures of 48 minutes)

Marks-50 (**Credits: 02)**

CELL BIOLOGY & EVOLUTIONARY BIOLOGY

Cellstructure- **(2hrs.)**

Cell theory and diversity in cell size and shape

Structure ofnucleus– **(2hrs.)**

Nucleus with reference to Nuclear membrane, Nucleoplasm, Chromatin and nucleolus.

Structure ofChromosome- **(3hrs.)**

With reference to Morphology and organization (Nucleosome), Polytene Chromosomes

Ultra structure and functions ofthefollowing **(8 hrs.)**

Plasma membrane (Fluid Mosaic Model)

Mitochondria

Endoplasmic reticulum

Golgi complex

Lysosome

Unit 2:

HistoryofLife **(2hrs.)**

Major Events in History of Life : Introduction to theories of origin of life, study of theory of chemical evolution.

Introduction toEvolutionaryTheories **(5hrs.)**

Lamarckism, Darwinism, Neo-Darwinism

Direct EvidencesofEvolution **(4hrs.)**

Types of fossils, formation of fossils, dating of fossils

Extinction **(4hrs.)**

Mass extinction (Causes, Names of five major extinctions, K-T extinction in detail), Role of extinction in evolution

Total Periods – 30 hrs

- **Suggested Readings:**

- Ruppert and Barnes, R.D. (2006). *Invertebrate Zoology*, VIII Edition. Holt SaundersInternationalEdition.
- Barnes, R.S.K., Calow, P., Olive, P.J.W., Golding, D.W. and Spicer, J.I.(2002). *TheInvertebrates: A New Synthesis*, III Edition, Blackwell Science
- Young, J. Z. (2004). *The Life of Vertebrates*. III Edition. Oxford universitypress.
- PoughH. *Vertebrate life,* VIII Edition, PearsonInternational.
- Hall B.K. and Hallgrimsson B. (2008). *Strickberger'sEvolution*. IV Edition. Jones andBartlettPublishersInc.
- Tortora, G.J. and Derrickson, B.H. (2009). *Principles of Anatomy and Physiology*, XIIEdition, John Wiley &Sons,Inc.
- DeRobertisEDPandDeRobertisEME– CellandMolecularBiology
- C.B. Powar– Cell Biology, HimalayaPub. House
- P. K. Gupta – Cell and MolecularBiology
- Cell Biology – Dr. N.Arumugam
- Ridley, M. (2004). *Evolution*. III Edition. BlackwellPublishing
- Barton,N.H.,Briggs,D.E.G.,Eisen,J.A.,Goldstein,D.B.andPatel,N.H.(2007).
- *Evolution*. Cold Spring,Harbour Laboratory Press.
- Hall,B.K.andHallgrimsson,B.(2008).*Evolution*.IVEdition.JonesandBartlettPublishers
- Campbell, N. A. and Reece J. B. (2011). *Biology*. IX Edition, Pearson, Benjamin, Cummings.
- Douglas,J.Futuyma(1997).*EvolutionaryBiology*.SinauerAssociates.

B. Sc. Part – I Semester –II

ZOOLOGY

DSC – 15 B (Animal Diversity and Insect Vector)

Theory: 30 hrs. (37.5 lectures of 48 minutes)
Marks-50 (**Credits: 02)**

Animal Diversity and Insect Vectors

Unit: IAnimalDiversity **(16 hrs)**

Type Study: Rat (*Rattus rattus*) (Physiology is not expected)

- Systematic position, Habit andHabitat
- MorphologicalCharacters
- DigestiveSystem
- Respiratory System
- Circulatory System (Composition of Blood andHeart)
- Excretory System
- ReproductiveSystem
- Brain forRat

Unit: II : Insect Vectors

1. Mosquito as aninsect vector **(8hrs)**

Mosquito born diseases with respect to causal organism, life cycle and symptoms

a. Malaria
b. Dengue
c. Chikungunya
f. Control Measures of mosquitoes

2. Housefly as an importantmechanicalvector **(2 hrs)**

Housefly born diseases with respect to Causal organism, life cycle, symptoms

a. Myiasis
b. Control Measure of housefly

3. Flea as aninsect vector **(4 hrs)**

Flea born diseases with respect to Causal organism, life cycle and symptoms

a. Plague
b. Typhus fever
c. Control offleas

Total Periods – 30 hrs

B. Sc. Part – I Semester –II

ZOOLOGY

DSC – 16 B (Genetics)

Theory: 30 hrs. (37.5 lectures of 48 minutes)
Marks-50 (**Credits: 02)**

Genetics

Unit: 1

IntroductiontoGenetics **(3hrs.)**

Mendel's work on transmission of traits, Genetic Variations, Molecular basis of Genetic Information

Mendelian and postMendelianGenetics **(8hrs.)**

Principles of Inheritance, Incomplete dominance and co-dominance, gene interaction, Multiplealleleslesw.r.t.ABO,Rhbloodgroupsandcoatcolourinrabbit,sexlinkedinheritance.

Linkage,CrossingOver **(4hrs.)**

Linkage and process of crossing over, Coupling and repulsion theory, Cytological evidence of crossing over.

Unit 2:

Mutations **(8hrs.)**

Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy, induced gene mutation.

SexDetermination **(7hrs.)**

Chromosomal theory, Genic balance theory, Haploidy-Diploidy mechanism, Environmental Theory

Total Periods – 30 hrs

Suggested Readings :

- P.S.Varma &V.K.Agarwal–CellBiology,Genetics,MolecularBiology, Evolution andEcology
- R. P. Meyyan, N, Arumugam – Genetics &Evolution
- Gardner, E.J., Simmons, M.J., Snustad, D.P. (2008). *Principles of Genetics*. VIIIEdition. WileyIndia.
- Snustad, D.P., Simmons, M.J. (2009). *Principles of Genetics*. V Edition. John Wileyand SonsInc.
- Klug,W.S.,Cummings,M.R.,Spencer,C.A.(2012).*ConceptsofGenetics*.XEdition.BenjaminVerma P. S. and Agarwal V. K. – Genetics, S. Chand andCompany
- Strickberger– Genetics. C MillianPublications
- Winchester – Genetics, OxfordPublication
- Genetics by P.P. Meyyan,Cummings.
- Russell, P. J. (2009). *Genetics- A Molecular Approach.* III Edition. Benjamin Cummings.
- Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C. and Carroll, S.B. *Introduction toGenetic Analysis*. IX Edition. W. H. Freeman andCo.
- Imms, A.D. (1977). A General Text Book of Entomology. Chapman & Hall, U K Chapman, R.F.(1998).
- The Insects: Structure and Function. IV Edition, Cambridge University Press, U K Pedigo L.P.(2002).
- Entomology and Pest Management. Prentice Hall PublicationMathews, G.(2011).
- Integrated Vector Management: Controlling Vectors ofMalaria
- Insect Vector Borne Diseases.Wiley-Blackwell
- Biology of Vertebrates Walter & Sayles;(McMillan).
- Chordate Zoology, P.S. Dhami& J. K. Dhami - R. Chand & Co., NewDelhi.
- ModernTextbookofZoology,R.L.Kotpal,RastogiPublications,Meerut.
- The Life of Vertebrates, 3rd Edition, 1993, J. Z. Young E. L. B.S.Oxford.
- Chordate Zoology - E.L. Jordan, S. Chand & Co., NewDelhi.
- The Phylum Chordata - 1987, H.H. Newman, Distributor Satish Book Enterprise, Agra.
- Comparative Anatomy of the Vertebrates G. C.Kent.

B. Sc. Part – I

ZOOLOGY PRACTICALS

Marks -50 (**Credits: 02)**

(DSC– 15A,B and 16 A,B: LAB)

1. Study of the followingspecimens:

i. Study of *Amoeba*, *Euglena, Plasmodium, Paramecium,* w.r.t. classification andlocomotion

ii. Study of Sycon, *Hyalonema,* and *Euplectella, Obelia, Physalia, Aurelia, Tubipora, Metridium, Taenia solium,*Maleandfemale*Ascarislumbricoides,Aphrodite,Nereis,Pheretima,Hirudinaria,Palaemon,Cancer*, *Limulus*, *Palamnaeus, Scolopendra*, *Julus*, *Periplaneta, Apis, Chiton, Dentalium, Pila, Unio, Loligo, Sepia, Octopus, Pentaceros, Ophiura, Echinus, Cucumaria*and *Antedon,* w.r.t. classification and morphological peculiarities.

2. Study of thefollowing:

i. T.S. or L.S. of*Sycon*,

ii. Lifehistory*TaeniaandAscaris*andtheirparasiticadaptations.

3. Preparation of haemincrystals

4. Study Tour: Visit to any suitable place to study animal diversity or any place related to theory syllabus and submission ofreport.

5. Preparation of blood smear and identification of ABO and Rh bloodgroups

6. CytologicalPreparations:

Mitochondria – Stained preparation of mitochondria from onion peeling / Hydrilla leaf / Oralmucosa by using Janus Green -B.

Polytene Chromosomes – Stained preparation of polytene chromosome in Chironomous larva/Drosophila larva.

7. Studyoffossilevidencesfromplastercastmodelsandpictures.

8. Demonstration of Rat tostudy,

- Digestive system, Lungs, Heart, Kidney, Testis, Ovary and Brain ofRat

9. Study of Mendelian Inheritance and gene interactions (Non-Mendelian Inheritance) using suitable examples. Minimum 10 Examples on: Monohybrid & Dihybrid ratio, Incomplete dominance, Co-dominance, Multiple alleles, Sex linked inheritance, Linkage, Crossing over andGene interaction.

10. Study of following insect vectors through permanent slides orphotographs

1. Mosquito born diseases (Causal organism, symptoms and controlmeasures)
a. Malaria b. Dengue c.Chikungunya
2. Housefly born diseases (Causal organism, symptoms and controlmeasures)
a. Myiasis
3. Flea born diseases (Causal organism, symptoms and controlmeasures)
a. Plague b. Typhusfever

SUGGESTED READINGS

- Ruppert and Barnes, R.D. (2006). *Invertebrate Zoology*, VIII Edition. Holt Saunders InternationalEdition.
- Barnes, R.S.K., Calow, P., Olive, P.J.W., Golding, D.W. and Spicer, J.I. (2002). *The Invertebrates: A New Synthesis*, III Edition, BlackwellScience
- Young, J. Z. (2004). *The Lifeof Vertebrates*. III Edition. Oxford university press.
- PoughH.*Vertebratelife,*VIIIEdition,PearsonInternational.
- Hall B.K. and Hallgrimsson B. (2008). *Strickberger's Evolution*. IV Edition. Jones and Bartlett PublishersInc.
- Practical Zoology byKotpal.
- PracticalZoologybyVermaandAgarwal.PhysiologybyC.C.Chattarji.Vol.I&II.
- Lehane, M. J.(1991).Biology of blood sucking insects. Harper Collins Academic,London.
- Service M. W. (1986). Blood sucking insects : Vectors of disease, studies in biology.No. 167, Arnold,London.

SCHEME OF MARKING (THEORY)

SEM	Core Course	Evaluation	Marks	Total Marks	Answer Books	Standard of passing(Min)
I	DSC - 15A	Semester wise	50	100	As per Instructions	35
	DSC - 16A	Semester wise	50			
II	DSC - 15B	Semester wise	50	100	As per Instructions	35
	DSC - 16B	Semester wise	50			

SCHEME OF MARKING (PRACTICAL)

Practical examination is annul

SEM	Course	Marks	Evaluation	Sections	Standard of passing
I and II	DSC – A(DSC 15A and DSC 16A) Lab and DSC - B (DSC 15B and DSC 16B) Lab	50	Annual	As per Instructions	35%

Nature of Theory Question Paper

B.Sc. I
Zoology

Q.1 Ten multiple choice question (one mark each) 10

Q. 2 Attempt any two (Ten marks each) 20

i.

ii.

iii.

Q.3 Attempt any four (five marks each) 20

i.

ii.

iii.

iv.

v.

vi.

Estd. 1962
"A++" Accredited by NAAC(2021)
With CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४,महाराष्ट्र
दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दुरध्वनी ०२३१—२६०९०९३/९४

SU/BOS/Science/481 **Date: 01/07/2023**

To,

The Principal, All Concerned Affiliated Colleges/Institutions Shivaji University, Kolhapur	The Head/Co-ordinator/Director All Concerned Department (Science) Shivaji University, Kolhapur.

Subject: Regarding syllabi of B.Sc. Part-II (Sem. III & IV) as per NEP-2020 degree programme under the Faculty of Science and Technology.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the revised syllabi, nature of question paper and equivalence of B.Sc. Part-II (Sem. III & IV) as per NEP-2020 degree programme under the Faculty of Science and Technology.

B.Sc. Part-II (Sem III & IV) as per NEP-2020			
1.	Mathematics	8.	Chemistry
2.	Statistics	9.	Sugar Technology (Entire)
3.	Physics	10.	Microbiology
4.	Astrophysics	11.	Industrial Microbiology
5.	Zoology	12.	Electronics
6.	Botany	13.	Geology
7.	Plant Protection		

This syllabus, nature of question and equivalence shall be implemented from the academic year 2023-2024 onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website **www.unishivaji.ac.in**)

The question papers on the pre-revised syllabi of above-mentioned course will be set for the examinations to be held in October /November 2023 & March/April 2024. These chances are available for repeater students, if any.

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Dy Registrar
Dr. S. M. Kubal

Copy to:

1	The Dean, Faculty of Science & Technology	8	P.G. Admission/Seminar Section
2	Director, Board of Examinations and Evaluation	9	Computer Centre/ Eligibility Section
3	The Chairman, Respective Board of Studies	10	Affiliation Section (U.G.) (P.G.)
4	B.Sc. Exam/ Appointment Section	11	Centre for Distance Education

Shivaji University, Kolhapur

Choice Based Credit System with Multiple Entry and Multiple Exit options as per NEP-2020

Bachelor of Science (B. Sc. II) Programme Structure

Under Faculty of Science & Technology

(To be implemented from Academic Year 2023-24)

Structure of B.Sc. II Programme (Semester III & IV)

SEMESTER–III (Duration–6 Months)																			
Sr. No.	Course (Subject) Title	TEACHING SCHEME						EXAMINATION SCHEME											
		THEORY			PRACTICAL			THEORY							PRACTICAL				
								Internal			University								
		Credits	No. of lectures	Hours	Credits	No. of lectures	Hours	Max Marks	Min Marks		Hours	Max Marks	Total Marks	Min Marks	Hours	Max Marks	Min Marks		
1	DSC-C Chemistry-V	**2**	3	2.4	4	8	6.4	10	4		2	40	**80**	**28**	**PRACTICAL EXAMINATION IS ANNUAL**				
2	DSC-C Chemistry-VI	**2**	3	2.4				10	4		2	40							
3	DSC-C Botany-V	**2**	3	2.4	4	8	6.4	10	4		2	40	**80**	**28**					
4	DSC-C Botany-VI	**2**	3	2.4				10	4		2	40							
5	DSC-C Zoology-V	**2**	3	2.4	4	8	6.4	10	4		2	40	**80**	**28**					
6	DSC-C Zoology-VI	**2**	3	2.4				10	4		2	40							
7	AECC-C Env Studies	**4**	4	3.2	---	---	---	---	---		---	---	---	---					
8	SEC-III	Any one from pool of courses			**2**	---	---	---	---		---	---	---	---	2	**50**	18		
	TOTAL	**16**	**22**	**17.6**	**14**	**24**	**19.2**	**60**				**240**	**350**	---		**50**			

SEMESTER–IV(Duration–6 Months)

Sr. No.	Course (Subject) Title	TEACHING SCHEME						EXAMINATION SCHEME									
		THEORY			PRACTICAL			THEORY						PRACTICAL			
								Internal		University							
		Credits	No. of lectures	Hours	Credits	No. of lectures	Hours	Max Marks	Min Marks	Hours	Max Marks	Total Marks	Min Marks	Hours	Max Marks	Min Marks
1	DSC-C Chemistry-VII	**2**	3	2.4	4	6.4	8	10	4	2	40	**80**	**28**	**As per BOS Guide-lines**	**100**	**35**
2	DSC-C Chemistry-VIII	**2**	3	2.4				10	4	2	40					
3	DSC-C Botany-VII	**2**	3	2.4	4	6.4	8	10	4	2	40	**80**	**28**		**100**	**35**
4	DSC-C Botany-VIII	**2**	3	2.4				10	4	2	40					
5	DSC-C Zoology-VII	**2**	3	2.4	4	6.4	8	10	4	2	40	**80**	**28**		**100**	**35**
6	DSC-C Zoology-VIII	**2**	3	2.4				10	4	2	40					
7	AECC-C AECC-D Env. Studies	---	---	---	---	---	---	---	---	3	70	**100**	**25**		---	---
										Project	30		**10**			
8	SEC-IV	Any one from pool of courses			2	---	---							2	**50**	18
	TOTAL	**12**	**18**	**14.4**	**14**	**19.2**	**24**					**400**	---		**350**	
		28	**40**	**32**	**28**	**38.4**	**48**					**750**	**--**	**---**		

- Student contact hours per week: 36.8 Hours (Min.)
- Total Marks for B.Sc.-II (Including EVS) **1100**
- Theory and Practical Lectures :48 Minutes Each
- Total Credits for B.Sc.-II (Semester III & IV): **56**
- **DSC: -**Discipline Specific Core Course: Select any 3subject pairs, relevant to those opted at B. Sc. I, from DSC C1 to DSC C38 and / or DSC IC39 to DSC IC50 and DSC D1 to DSC D38 and/or DSC ID39 to DSC ID50.
- **AECC**- Ability Enhancement Compulsory Course (C): Environmental Studies: EVS Theory and AECC-D EVS Project (Theory:70 & Project:30 marks)
- ***There shall be separate passing for internal and University theory as well as practical / project examinations.***
- ***Practical Examination shall be conducted annually for 100 Marks per course (subject) and minimum 35 marks are required for passing.***
- ***Except Environmental Studies, there shall be combined passing for two theory papers of 40 marks each. i. e. minimum. 28 marks are required for passing out of 80.***
- ***Minimum 4 marks are required for passing out of 10 for Internal Examination of each paper.***
- ***Examination of SEC shall be either theory or practical depending upon type of SEC.***

Structure of B. Sc. II Programme Semester V&VI

Sr. No.	Subject Title	TEACHING SCHEME						EXAMINATION SCHEME								
		THEORY			PRACTICAL			THEORY					PRACTICAL			
								Internal		University						
		Credits	No. of lectures	Hours	Credits	No. of lectures	Hours	Max Marks	Min Marks	Hours	Max Marks	Min Marks	Hours	Max Marks	Min Marks
SEMESTER–V (Duration–6 Months)																
1	DSE-E	**2**	3	2.4	**8**	**20**	**16**	10	4	2	40	**14**	**PRACTICAL EXAMINATION IS ANNUAL**			
2	DSE-E	**2**	3	2.4				10	4	2	40	**14**				
3	DSE-E	**2**	3	2.4				10	4	2	40	**14**				
4	DSE-E	**2**	3	2.4				10	4	2	40	**14**				
5	AECC-E	**4**	4	3.2				10	4	2	40	**14**				
6	SEC-V	Any one from pool of courses			**2**	---	---	---	---				**2**	**50**	**18**	
	TOTAL	**12**	**16**	**12.8**	**10**	**20**	**16**	**50**			**200**					
SEMESTER–VI (Duration–6 Months)																
1	DSE-F	**2**	3	2.4	**8**	**20**	**16**	10	4	2	40	**14**	**As per BOS Guide-Lines**	**200**	**70**	
2	DSE-F	**2**	3	2.4				10	4	2	40	**14**				
3	DSE-F	**2**	3	2.4				10	4	2	40	**14**				
4	DSE-F	**2**	3	2.4				10	4	2	40	**14**				
5	AECC-E	**4**	4	3.2				10	4	2	40	**14**				
6	SEC-VI	Any one from pool of courses			**2**	---	---						**2**	**50**	**18**	
	TOTAL	**12**		**12.8**	**10**		**16**	**50**			**200**					

	GRAND TOTAL	**24**	**32**	**25.6**	**20**	**40**	**32**				**400**	**800**				

• Student contact hours per week: 28.8 Hours (Min)	• Total Marks for B.Sc.-III (Including English): 8**00**
• Theory and Practical Lectures: 48 Min. Each	• Total Credits for B.Sc.-III (Semester V&VI): 44
• **DSE-Discipline Specific Elective.** A candidate shall select one course (subject) from the three Courses (Subjects)selected at B.Sc.–II. Select any 4 pairs of papers from DSE-E1 to DSE-E84 for Sem –V and DSE- F1 to DSE-F84 for Sem-VI	
• **AECC**-Ability Enhancement Compulsory Course (E & F): English for communication	
• ***There shall be separatee passing for internal, theory and practical examinations.***	
• ***Practical Examination shall be conducted annually for 200 marks, and minimum 70 marks are required for passing.***	
• ***University semester end exam shall be of 40 marks per paper and minimum 14 marks are required for passing.***	
• ***Minimum 4 marks are required for passing out of 10 for Internal Examination of each paper.*** • ***Examination of SEC shall be either theory or practical depending upon type of SEC.***	

Class	B. Sc. - I	B. Sc. - II	B. Sc. - III	Total
Marks	1200	1100	800	3100
No. of Credits	60	56	44	160

Nature of Question Paper for B.Sc. Part – II (40 + 10 Pattern) according to Revised Structure as Per NEP – 2020 to be implemented from academic year 2023-24

Maximum Marks: 40

Duration: 2 hrs

Choose the correct alternative from the following and rewrite the sentence **[8]**

1 to 8 MCQ one mark each with four options

a)
b)
c)
d)

Attempt any TWO of the following **[16]**

a)

b)

c)

Attempt any FOUR of the following **[16]**

a)

b)

c)

d)

e)

f)

***

Shivaji University, Kolhapur
Draft Syllabus as per NEP – 2020
B. Sc. II Zoology
Semester III Paper V
DSC-C (ANIMAL DIVERSITY-II-NEP 2020)
Theory: 30 hrs. (37.5 lectures of 48 minutes)

Unit I:

Hemichordata **(2 hrs.)**

General characters and Classification

Protochordata **(3 hrs.)**

General characters and Classification of Protochordata

Agnatha **(2 hrs.)**

General characters of Agnatha and Classification of cyclostomes up to classes

Pisces: **(3 hrs.)**

General characters and Classification up to orders

Unit II: Amphibia **(10 hrs.)**

General features and Classification up to orders

Type Study: Frog (Physiology is not expected)

- Systematic Position, Habit and Habitat
- Morphological Characters
- Digestive System
- Respiratory System
- Heart and Composition of Blood
- Excretory System
- Reproductive System (Male and Female)
- Brain

Unit III: Reptiles **(4 hrs.)**

General characters and Classification up to orders;

Venomous and non-venomous snakes, Biting mechanism in snakes

Aves **(3 hrs.)**

General characters and Classification up to orders

Mammals **(3 hrs.)**

General characters and Classification up to orders

Shivaji University, Kolhapur
B. Sc. Part II Semester- III
ZOOLOGY
Semester III Paper-VI
DSC-C (BIOCHEMISTRY- NEP 2020)
Theory: 30 hrs. (37.5 lectures of 48 minutes)

Unit I:
Carbohydrate Metabolism: (10 hrs.)

1) Classification and biological significance of carbohydrates
2) Glycolysis
3) Krebs Cycle
4) Electron Transport Chain
5) Pentose Phosphate Pathway
6) Gluconeogenesis
7) Glycogenesis
8) Glycogenolysis

Lipid Metabolism: (7 hrs.)

1) Classification and biological significance of lipids
2) β oxidation of fatty acids

Unit II:
Protein metabolism: (8 hrs.)

1) Structure, Classification and biological significance of proteins
2) Transamination
3) Deamination
4) Urea Cycle/ Ornithine cycle

Unit III:

Enzymes: (5 hrs.)

1) Introduction, Classification and Nomenclature
2) Mechanism of enzyme action
3) Enzyme Kinetics
4) Inhibition and Regulation
5) Isoenzymes, Co-enzymes and Co-factors.

B. Sc. Part II Semester- IV
ZOOLOGY
Semester IV Paper-VII
DSC-C (REPRODUCTIVE BIOLOGY - NEP 2020)
Theory: 30 hrs. (37.5 lectures of 48 minutes)

Unit I: Structure and hormones of pituitary gland (3 hrs.)

Unit II: Functional anatomy of female reproductive system: (12 hrs.) A. **Anatomy of female reproductive system**

a. Histology of Ovary
b. Histology of Oviduct/Fallopian Tube
c. Histology of Uterus
d. Histology of Cervix and vagina
e. Reproductive cycle in Human
f. Female sex hormones
g. Folliculogenesis, process of Oogenesis and structure of ovum
h. Menstrual cycle and hormonal regulation
i. Transport of ovum and sperm in female genital tract
j. Process of fertilization
k. Hormonal control in Implantation
l. Diagnostic features of pregnancy and hormonal regulation
m. Mechanism and hormonal regulation of Parturition and Lactation

Unit III: Functional anatomy of male reproductive System: (8 hrs.)

B. Anatomy of male reproductive System

a. Histology of testis
b. Histology of Epididymis
c. Histology of Seminal vesicle
d. Histology of prostate gland
e. Histology of Cowper's gland
f. Histology of penis
g. Male sex hormones
h. Process of spermatogenesis and structure of sperm
i. Epididymal functions and sperm maturation
j. Sperm transportation in male genital tract
k. Hormonal control of Testicular activities

Unit IV: Reproductive Health (4 hrs.)

a. Infertility in Male: causes, diagnosis and management
b. Infertility in Female: causes, diagnosis and management
c. Assisted Reproductive Technology:
Sperm bank. Frozen embryos. Intrauterine Transfer (IUT). Zygote Intrafallopian Tube Transfer (ZIFT) Gamete Intrafallopian Transfer (GIFT). Intracytoplasmic Sperm Injection (ICSI).
d. In vitro fertilization (IVF): Ovarian stimulation, Egg retrieval, Sperm retrieval, Fertilization and Embryo transfer

Unit V: Contraceptive Methods: (3 hrs.)

a. Temporary methods
b. Permanent Methods

B. Sc. Part II Semester- IV
ZOOLOGY
Semester IV Paper-VIII
DSC- C (APPLIED ZOOLOGY-I -NEP 2020)
Theory: 30 hrs. (37.5 lectures of 48 minutes)
Marks-50 (Credits: 02)

Unit I:

Introduction to Host-parasite Relationship: (4 hrs.)

Host, Definitive host, Intermediate host, Parasitism, Symbiosis, Commensalism, Reservoir, Zoonosis

Unit II:

Epidemiology of Diseases: (4 hrs.)

Transmission, Prevention and control of diseases: Tuberculosis, Typhoid.

Unit III:

Rickettsia and Spirochetes: (4 hrs.)

Brief account of *Rickettsia prowazekii*, *Borrelia recurrentis* and *Treponema pallidum*

Unit IV:

Insects of Economic Importance: (6 hrs.)

Biology, Control and damage caused by

1) Gram pod borer (*Helicoverpa armigera*)
2) Sugarcane leaf hopper (*Pyrilla perpusilla*)
3) Lemon Butterfly (*Papilio demoleus*)
4) Pulse Beetle (*Callosobruchus chinensis*)
5) Rice Weevil (*Sitophilus oryzae*)
6) Red Flour beetle (*Tribalism castaneum*)

Unit V:

1. **Poultry Farming**: (5 hrs.)

(a) Principles of poultry breeding,
(b) Indigenous and Exotic poultry breeds
(b) Management of breeding stock and broilers,
(c) Processing and Preservation of eggs.

2. **Sericulture** (7 hrs.)

(a) Life cycle of *Bombyx mori*
(b) Types of silkworm
(c) Rearing equipments
(d) Diseases and management
(e) Cocoon formation and Economic importance of silk

B. Sc. Part II
ZOOLOGY PRACTICAL-I -NEP 2020)
Marks-50 (Credits: 02)

PRACTICAL-I (Based on Animal Diversity-II and Biochemistry of Semester-III)

Unit I

Animal Diversity- II

1. Study of the following specimens with reference to morphological peculiarities and classification upto orders:
   a. Hemichordata: Balanoglossus
   b. Urochordata: Herdmania
   c. Cephalochordata: Branchiostoma **(**Amphioxus**)**
   d. Cyclostomata: Petromyzon
   e. Pisces: Sphyrna (Hammer Headed Shark), Pristis (Saw Fish), Torpedo (Electric Ray), Labeo, Exocoetus (Flying Fish), Anguilla (Eel Fish)
   f. Amphibia: Ichthyophis, Salamander, Bufo, Hyla (Tree Frog)
   g. Reptilia: Chelone (Turtle), Hemidactylus (Wall Lizard), Chamaeleon, Draco (Flying Lizard), Crocodylus (Crocodile), Gavialis.
   h. Mammalia: Duck-billed platypus, Kangaroo, Bat, Squirrel, Loris
2. **Demonstration of Frog**: Digestive System, Respiratory System, Excretory system, Male and Female Reproductive System, heart and brain
3. Characters identifying venomous and non-venomous snakes: Russell's viper, Saw scaled viper, Common krait, Indian Cobra, Sea snake, Rat snake and Checkered keelback
4. Study of any six common birds from different orders with the help of photographs and keys.
5. Dissection of brain of fowl.
6. Temporary preparation of Hyoid apparatus, Sclerotic plates, Pecten and Columella of fowl.
7. Temporary preparation of Placoid, Cycloid and Ctenoid scales in fishes.

Unit II

Biochemistry:

1. Biochemical tests for Glucose, Fructose, Sucrose, Lactose and Lipid.
2. Estimation of total protein in given solutions by Lowry's method.
3. Study of activity of salivary amylase under optimum conditions.
4. Effect of Temperature and pH on activity of salivary amylase.
5. Urea, urease enzyme activity

B. Sc. Part II
ZOOLOGY PRACTICAL-II -NEP 2020
Marks-50 (Credits: 02)

PRACTICAL-II (Based on Reproductive Biology and Applied Zoology of Semester-IV)

Unit I: Reproductive Biology:

1. Study of Animal house:
   Set up and maintenance of animal house
   Breeding techniques
   Care of normal and experimental animals with the help of model/photographs
2. Stages/phases of menstrual cycle.
3. Surgical techniques: Principles of surgery in endocrinology,
   Ovariectomy, Tubectomy, hysterectomy, orchiectomy and vasectomy in rats through Demonstration or Video
4. Examination of histological sections from photomicrographs/permanent slides of rat Testis, Epididymis, Ovary, Fallopian tube, Uterus (proliferative and secretary stages), Cervix and Vagina
5. Structure of human sperm and ovum
6. Detection of pregnancy by using kit.
7. Study of contraceptive devices by photographs or models.

Unit II: Applied Zoology:

1. Study of arthropod vectors associated with human diseases: Pediculus, Culex, Anopheles, Aedes and Xenopsylla
2. Study of insect pests through damaged products/photographs.
   i) Crop pests
   a. Gram pod borer (*Helicoverpa armigera*)
   b. Sugarcane leaf hopper (*Pyrilla perpusilla*)
   c. Lemon Butterfly (*Papilio demoleus*)
   ii) Stored grains pests
   a. Pulse Beetle (*Callosobruchus chinensis*)
   b. Rice Weevil (*Sitophilus oryzae*)
   c. Red Flour beetle (*Tribalism castaneum*)
4. Identifying feature and economic importance of *Helicoverpa armigera* (Cotton bollworm), *Papilio demoleus* (Lime butterfly), *Pyrilla perpusilla* (Sugarcane plant hopper), *Callosobruchus chinensis* (Pulse beetle), *Sitophiluso ryzae* (Rice weevil) and *Tribolium castaneum* (Red flour beetle).

Unit III:

3. **Poultry:** To study the breeds of poultry birds with the help of photographs (2 Indigenous and 2 Exotic poultry birds)
4. **Sericulture:** To study the Life cycle of mulberry silk moth (*Bombyx mori*),
   Types of silk moths – Muga, Tasar and Eri by photographs or specimen

5. Field trip to sericulture center or poultry farm or animal breeding centre or any suitable place to study animal diversity or any place related to theory syllabus. Submission of field trip report (Printed/Hand writings).

Suggested Readings for Paper V and VI:

1. Berg, J. M., Tymoczko, J. L. and Stryer, L. (2006). Biochemistry. VI Edition. W.H Freeman and Co.
2. Guyton, A.C. and Hall, J. E. (2011). Textbook of Medical Physiology, XII Edition, Harcourt Asia Pvt. Ltd/ W.B. Saunders Company
3. Hall B. K. and Hallgrimsson, B. (2008). Strickberger's Evolution. IV Edition. Jones and Bartlett Publishers Inc.
4. Murray, R. K., Granner, D. K., Mayes, P. A. and Rodwell, V. W. (2009). Harper's Illustrated Biochemistry. XXVIII Edition. Lange Medical Books/Mc Graw 3Hill.
5. Nelson, D. L., Cox, M. M. and Lehninger, A. L. (2009). Principles of Biochemistry. IV Edition. W.H. Freeman and Co.
6. Pough H. (2008). Vertebrate life, 8th Edition, Pearson International.
7. Young, J. Z. (2004). The Life of Vertebrates. III Edition. Oxford university press.
8. The Protochordates – by S. H. Bhamrah and Kavita Juneja – Anmol Publications, New Delhi
9. Introduction to Protochordata – S. H. Bhamrah and Kavita Juneja – Anmol Publications, New Delhi 8) Chordate Zoology – S. Chand Company, New Delhi
10. Text Book of Zoology – Vertebrates, Vol. II – T. J. Parker and W. A. Haswell Edited by Marshall and Williams, CBS Publications and Distributors, New Delhi.
11. E. L. Jordan – Chordate Zoology, S. Chand and Company, New Delhi.
12. A Text Book of Chordates – A. Thangamani, L. M. Narayan, S. Prasannakumar, N. Arumugam
13. R. L. Kotpal – Modern Text Book of Zoology, Vertebrates

Suggested Readings for Paper VII and VIII:

1. Arora, D. R and Arora, B. (2001). Medical Parasitology. II Ed. CBS Pub., and Distributors.
2. Atwal, A. S. (1986). Agricultural Pests of India and South East Asia, Kalyani
3. Austin, C. R. and Short, R. V. (1982). Reproduction in Mammals. Cambridge University Press, London. Vol. 1.
4. Chapman, R. F. (1998). The Insects: Structure and Function. IV Edition, Cambridge University Press, UK.
5. Dennis, H. (2009). Agricultural Entomology. Timber Press (OR).
6. Degroot, L. J. and Jameson, J. L. (2010). (6^{th} eds). Endocrinology. W. B. Saunders and Company.
7. Dunham R. A. (2004). Aquaculture and Fisheries Biotechnology Genetic Approaches. CABI publications, U.K.
8. Hafez, E. S. E. (1962). Reproduction in Farm Animals. Lea & Fabiger Publisher.
9. Hatcher, R.A. et al. (2001). The Essentials of Contraceptive Technology. Population Information Programme.
10. Knobil, et al. (2014). (4th eds). The Physiology of Reproduction. Raven Press Ltd.
11. Park, K. (2007). Preventive and Social Medicine. XVI Edition. B.B Publishers.
    Pedigo L. P. (2002). Entomology and Pest Management
12. Ganga, G and Chetty, S.J. (1997): An Introduction to Sericulture, 2nd Edition, Oxford and IBH Publishing Co. Ltd. New Delhi.
13. Mohan Rao M.M. (1988): A text Book of Sericulture BSP Publications, Sultan Bazar, Hyderabad.
14. Hisao, Aruga: Principles of Sericulture. Oxford and IBH Publishing Co. Pvt. Ltd. New Delhi.

SHIVAJI UNIVERSITY, KOLHAPUR.

Accredited By NAAC with 'A' Grade

Revised Syllabus For

B.Sc Part- III

Zoology

Syllabus to be implemented from

June, 2020 onwards.

SHIVAJI UNIVERSITY, KOLHAPUR

Revised Syllabus for Bachelor of Science

B. Sc. III – Zoology –To be implemented from June 2020

GENERAL OBJECTIVES OF THE COURSE

1) Aims:

1. To impart the knowledge of animal science to the pupils.
2. To make the pupils to use the knowledge in their daily life.
3. To make the pupils aware of natural resources and environment.
4. Application of knowledge in Zoology for nutrition, agriculture & live stock.
5. To provide practical experiences which form a part of their learning processes.
6. To develop aptitude for scientific work & ability to pursue studies far beyond graduation.
7. To encourage the pupils to take life science as a carrier which is the need now a days.
8. To make the pupils fit for the society.

2) Objectives –

1. To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of animal science, natural phenomenon, manipulation of nature & environment by man.
2. Understanding the scientific terms, concepts, facts, phenomenon & their interrelationships.
3. Applications of the knowledge.
4. To develop skills in practical work, experiments & laboratory materials, instruments.
5. To develop interests in the subject & scientific hobbies.
6. To develop scientific attitude which is the major objective? This makes the students open minded, critical observations, curiosity, thinking etc.
7. Abilities to apply scientific methods, collection of scientific data, problem solving, organize science exhibitions, clubs etc.
8. Appreciation of the subject, contributions of scientists, scientific methods, scientific programs etc.

3) DURATION

- The course shall be full time course.
- The duration of course shall be three years.

4) PATTERN: Pattern of Examination will be semester for theory and annual for practical with INTERNAL ASSESSMENT (Project/Seminar/Field work for theory) Scheme

5) MEDIUM OF INSTRUCTION: The medium of instruction shall be in English.

6) STRUCTURE OF COURSE: B.Sc. III – Zoology THEORY – No. of papers: Eight, No of practicals: Four SEMESTER V-Paper IX to XII & SEMESTER VI- Paper XIII to XVI

SEMESTER-V Theory

Sr. No.	Subject	Marks	University	Internal
1	Zoology Paper- IX	50	40	10
2	Zoology Paper- X	50	40	10
3	Zoology Paper- XI	50	40	10
4	Zoology Paper- XII	50	40	10
				Total=200

SEMESTER-VI Theory

Sr. No.	Subject	Marks	University	Internal
1	Zoology Paper- XIII	50	40	10
2	Zoology Paper- XIV	50	40	10
3	Zoology Paper- XV	50	40	10
4	Zoology Paper- XVI	50	40	10
				Total = 200

PRACTICALS- Annual

09	Practical—V	50
10	Practical – VI	50
11	Practical – VII	50
12	Practical – VIII	50
	Total	200

Total = 600

7. SCHEME OF TEACHING AND EXAMINATION (Teaching scheme - Hrs/Week)

No	Sem. - V	Sem. - VI	L	P	Total
1	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
2	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
3	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
4	Paper No IX Paper No. XIII	Paper No IX Paper No. XIII	3		
			12		**12**
1	Practical V			5	
2	Practical VI			5	
3	Practical VII			5	
4	Practical VIII			5	
				20	**20**
	Total				**32**

8) SCHEME OF EXAMINATION

Question paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each unit of syllabi.

9) EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS (FOR REVISED SYLLABUS)

Refer copy of revised syllabus

10) OTHER FEATURES

1. Required Books, Journals stated in each syllabus of Part I, Part II and Part III Zoology and Fisheries.

A) LIBRARY : Reference and Text Books, Journals, and Periodicals, Reference Books for Advanced Studies.

B) SPECIFIC EQUIPMENTS: Necessary to run the Course (T.V., L.C.D., andOverhead Projector), (Computer and necessary software's, operating systems etc.)

C) LABORATORY SAFETY EQUIPMENTS

- Fire Extinguishers at least two sets in each laboratory. (Lab. area 600 sq.ft.)

- Leakage of gases be avoided.
- Primary medical aid box (First Aid Kit)
- Sugar / Glucose – 500 gm pack: Pinch of sugar and a cup of drinking water in hypoglycemic condition. OR In extreme weakness of student or person concerned.
- Rules of animal ethics should be strictly followed.

D) LABORATORY INSTRUCTIONS

1) Always wear an apron inside the laboratory. Do not wear it outside.
2) Do not drink or eat inside the laboratory.
3) Do not place pencil, fingers or any material in the mouth. Moisten labels with water.
4) Use microscopes and other instruments carefully.
5) Discard all used glassware such as test tube, pipettes, petry-plates, glass slides in a receptacle meant for it.
6) Put cotton plugs, papers, matches, waste dissection material etc. in a waste-paper basket. Do not throw them in sink not leave them on desk or floor.
7) Regard all cultures as pathogenic. Take every precaution against infection.
8) Report all accidents to the instructor immediately.
9) Wash hands thoroughly with soap and water before and after dissection and experiment.
10) Always turn off water, gas and electricity before leaving the laboratory.
11) When students enter in laboratory they should have – A Laboratory Journal, pencil and eraser, foot rule, dissection box with dissecting instruments, a small napkin.
12) All drawings must be made with drawing pencil only.
13) As the journal is to represent student's bonafide work during the whole year, student should keep it as clean as possible and DO NOT LOOSE IT
14) Students should not forget that unless their journals are certified, they are not allowed to appear for the university examination

11) COMMON NATURE OF QUESTION FOR THEORY

PAPER: SEMISTER – V Zoology Paper (IX, X, XI, XII)

SEMISTER – VI Zoology Paper (XIII, XIV, XV, XVI)

Q. 1	Multiple Choice Questions (Eight questions)	08
Q. 2	Long answer questions (Attempt any two out of three)	16
	A.	
	B.	
	C.	
Q. 3	Shorn Notes (Attempt any four out of Six)	16
	a.	
	b.	
	c.	
	d.	
	e.	
	f.	

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SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- IX

DSE-E29 (COMPARATIVE ANATOMY OF VERTEBRATES)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Integumentary System	4
1. Generalized structure of integument	
2. Functions of Integument	
3. Soft and Hard epidermal derivatives	
4.Hard epidermal derivatives	
Unit 2: Skeletal System	4
1. Vertebral column	
2. Appendicular skeleton	
Unit3: Digestive System	4
Brief account of alimentary canal and digestive glands	
Unit 4: Respiratory System	4
Brief account of Gills, lungs, air sacs	
Unit 5: Circulatory System	4
Evolution of heart and aortic arches	
Unit 6: Evolution of Kidney	3
Succession of kidney	
Unit 7: Nervous System	3
Comparative account of brain	
Unit 8: Sense Organs	4
Comparative account of ear and eye of vertebrates	

SUGGESTED READINGS:

1. Kardong, K.V. (2005) Vertebrates' Comparative Anatomy, Function and Evolution. IV Edition. McGraw-Hill Higher Education. Kent, G.C. and Carr R.K. (2000). Comparative Anatomy of the Vertebrates. IX Edition
2. The McGraw-Hill Companies. Hilderbrand, M and Gaslow G.E. Analysis of Vertebrate Structure, John Wiley and SonsWalter, H.E. and Sayles, L.P; Biology of Vertebrates, Khosla Publishing House.

3. Outlines of comparative anatomy, Romer & Parsons, Central Book Depot, The Vertebrate Body (Saunders).
4. Biology of Vertebrates Walter & Sayles; (McMillan).

5. Chordate Zoology, P.S. Dhami & J. K. Dhami - R. Chand & Co., New Delhi.
6. Modern Textbook of Zoology, R. L. Kotpal, Rastogi Publications, Meerut.
7. The Life of Vertebrates, 3rd Edition, 1993, J. Z. Young E. L. B.S. Oxford.
8. Chordate Zoology - E.L. Jordan, S. Chand & Co., New Delhi.
9. The Phylum Chordata - 1987, H.H. Newman, Distributor Satish Book Enterprise, Agra. 8. Comparative Anatomy of the Vertebrates G. C. Kent.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- X

DSE-F29 (Molecular Cell Biology and Animal Biotechnology)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Molecular Biology – 7

1) DNA Replication (Semiconservative mode)
2) DNA Damage and Repair mechanism
3) Regulation of gene expression- Operon concept
4) Genetic Code:
    i) Properties of Genetic code
    ii) Codon assignment
    iii) Wobble hypothesis

Unit 2: Protein synthesis 8

A) Transcription

i) Process in prokaryotes and eukaryotes

ii) RNA polymerase

iii) Post transcriptional modification in RNA

B) Translation in prokaryotes and eukaryotes

i) Initiation

ii) Elongation

iii) Termination

Unit 3 : Molecular Techniques in Gene manipulation 15

1. Restriction enzymes: Nomenclature, detailed study of Type II.
2. Characteristics of Cloning vectors: Plasmids, Cosmids, Phagemids, Lambda Bacteriophages
3. Gene cloning: Transformation techniques by Calcium chloride method and electroporation
4. Construction of genomic and cDNA libraries
5. Southern, Northern and Western blotting
6. DNA sequencing: Sanger method
7. Polymerase Chain Reaction,
8. DNA Finger Printing
9. DNA micro array

SUGGESTED READINGS:

1. Brown, T.A. (1998). Molecular Biology Labfax II: Gene Cloning and DNA Analysis. II Edition, Academic Press, California, USA. Glick, B.R. and Pasternak, J.J. (2009).
2. Molecular Biotechnology - Principles and Applications of Recombinant DNA. IV Edition, ASM press, Washington, USA. Griffiths, A.J.F., J.H. Miller, Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. (2009).
3. An Introduction to Genetic Analysis. IX Edition. Freeman and Co., N.Y., USA. Snustad, D.P. and Simmons, M.J. (2009).
4. Principles of Genetics. V Edition, John Wiley and Sons Inc. Watson, J.D., Myers, R.M., Caudy, A. and Witkowski, J.K. (2007).
5. Recombinant DNAGenes and Genomes- A Short Course. III Edition, Freeman and Co., N.Y., USA. Beauchamp, T.I. and Childress, J.F. (2008).
6. Principles of Biomedical Ethics. VI Edition, Oxford University Press.
7. Cell and Molecular Biology, 8th Edition, De. Robertis EDP and De Robertis Jr. EMF, Lippincott Williams and Wilkins,Philadelphia.
8. Cell Biology, C.B. Powar, Himalaya Publication House.
9. Cell and Molecular Biology, EJ. Dupraw, Academic Press, NewYork.
10. Cell Structure and Function - A. G. Loewy, P. Siekevitz, J. R. Meninger & J. A. N. Gallant, Saunder College, Philadelphia.
11. Molecular Biology of the Cell - 3rd Edition, Bruce Alberts, Dennis Bray, Julian Lewis, Martin Raff, K. Roberts & James D. Watson, Garian Publishing, New York.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XI

DSE-F30 (Biotechniques and Biostatistics)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit I: Genetically Modified Organisms 9

1. Production of cloned and transgenic animals:
    a. Nuclear Transplantation
    b. Retroviral Method
    c. DNA microinjection
2. Applications of transgenic animals:
    a. Productions of pharmaceuticals
    b. Production of donor organs
3. Knockout mice.

Unit II: Culture Techniques and Applications 6

a. Animal cell culture: Introduction, principle and applications
b. Stem Cells: Introduction to stem cells
    i) Potency of stem cells: Totipotency, Pleurepotency, Multipotency, Unipotency
    ii) Sources of stem cells-Embryo, Fetal, Adult, Bone marrow

Unit III: Biostatistics 15

a. Classification of Biological data
b. Frequency distribution
c. Tabulation
d. Graphical representation of data
e. Measures of central tendency (Mean, Median, Mode)
f. Dispersion – Mean, deviation & standard deviation
g. Correlation – Scattered diagram, Karl Pearson's correlation coefficient and Spearman's rank correlation coefficient.

SUGGESTED READINGS:

1. Brown, T.A. (1998). Molecular Biology Labfax II: Gene Cloning and DNA Analysis. I Edition, Academic Press, California, USA. Glick, B.R. and Pasternak, J.J. (2009). Molecular Biotechnology - Principles and

2. Applications of Recombinant DNA. IV Edition, ASM press, Washington, USA. Griffiths, A.J.F., J.H. Miller, Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. (2009)
3. An Introduction to Genetic Analysis. IX Edition. Freeman and Co., N.Y., USA. Snustad, D.P. and Simmons, M.J. (2009).
4. Principles of Genetics. V Edition, John Wileyand Sons Inc. Watson, J.D., Myers, R.M., Caudy, A. and Witkowski, J.K. (2007).
5. Recombinant DNAGenes and Genomes- A Short Course. III Edition, Freeman and Co., N.Y., USA.Beauchamp, T.I. and Childress, J.F. (2008).
6. Principles of Biomedical Ethics. VI Edition Oxford University Press.
7. Elements of Biotechnology - P. K. Gupta, Rastogi Publications.
8. Gene V & VI, 1994, Lewin B., Oxford University Press, Oxford.
9. Concept of Genes-Pearson Edition 9.Cell and Molecular Biology

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XII

DSE-F31 (AQUATIC BIOLOGY)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Aquatic Biomes **10**

a. Freshwater ecosystem (lakes, wetlands, streams and rivers),
b. Estuaries
c. Intertidal zones
d. Oceanic pelagic zone
e. Marine benthic zone
f. Coral reefs

Unit 2: Freshwater Biology **10**

1. Lakes
    a. Lake as an Ecosystem
    b. Lake Morphometry
    c. Physico-chemical characteristics
        i. Light
        ii. Temperature
        iii. Thermal Stratification
        iv. Dissolved solids
        v. Carbonates
        vi. Bicarbonates
        vii. Phosphates and Nitrates
        viii. Turbidity
        ix. Dissolved gases (Oxygen Carbon dioxide)
        x. Nutrient Cycle – (Nitrogen, Sulphur and Phosphorus)
2. Streams
    a. Different stages of stream development
    b. Physico-chemical Environment
    c. Adaptation of hill stream fishes

Unit 3: Endocrinology 10

a. Study of endocrine glands – Anatomy and histology

b. Hormones- Nature, role, regulation and disorders with reference to the following

thyroid gland, parathyroid gland, adrenal gland and islets of Langerhans

SUGGESTED READINGS:

1. Anathakrishnan : Bioresources Ecology 3rd Edition
2. Goldman : Limnology, 2nd Edition
3. dum and Barrett : Fundamentals of Ecology, 5th Edition
4. Pawlowski : Physicochemical Methods for Water and Wastewater Treatment, 1st
5. Edition Wetzel : Limnology, 3rd edition
6. Trivedi and Goyal : Chemical and biological methods for water pollution studies
7. Welch : Limnology Vols. I-II
8. Animal Physiology – Nelson (Cambridge)
9. Endocrinology – Hadely
10. General Endocrinology – Bangara and Turner (W.B. Saunders)
11. Reproductive Physiology – Nalbandov A. V.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XIII

DSE-E30 (DEVELOPMENTAL BIOLOGY OF VERTEBRATES)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1 : Gametogenesis 6

1. Types of Eggs
2. Fertilization – Types and Process of Fertilization
3. Types of Cleavages

Unit 2: Early Development of Frog 6

1. Structure of mature egg and its membranes
2. Cleavage
3. Blastula and its fate map
4. Process of gastrulation
5. Types of Morphogenic Movements
6. Fate of three germinal layers
7. Neurulation
8. Metamorphosis in frog and its hormonal regulation

Unit 3: Chick Embryology 15

1. Structure of sperm
2. Structure of egg and vitellogenesis
3. Fertilization and cleavage
4. Blastula and its fate map
5. Process of gastrulation
6. Organogenesis
    a. Development of neural tube and brain up to 72 hours of incubation
    b. Development of gut up to 72 hours of incubation
    c. Development of blood and heart up to 72 hours of incubation
    d. Foetal membranes and significance

Unit 4: Late Embryonic Development 3

1. Implantation of embryo in human being
2. Placenta – Formation, types and significance

SUGGESTED READINGS:

1. An Introduction to Embryology 1981, Balinsky B.L., Saunders College,Philadelphia.
2. Developmental Biology; Patterns/Principles/Problems, 1982, Saunders J. W. Collier MacMillan, Publishers, London.
3. Developmental Biology, 1997, 3rd Edition, Gilbert S.F. Saunder Associates Inc. U.S.A.
4. Developmental Biology, 1992 3rd edition, Browder L.W. Erickson C.A. & Williams, R J. Saunders College, Publications, London.
5. A Text Book of Embryology, Dr. Puranik P. G., S. Chand & Co. 6. Developmental Biology, 1984, Browder L.W. , Saunders College Publicaions, U.S.A.
6. Development of Chick embryo, 1972, Lillie. 8. Developmental Biology, 1991, 3rd Edition, Sinaur Associates, Inc. U.S.A.Gilbert, S. F. (2006).
7. Developmental Biology, VIII Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts, USA. Balinsky, B.I. (2008).
8. An introduction to Embryology, International Thomson ComputerPress. Carlson, Bruce M (1996). Patten's Foundations of Embryology, McGraw Hill, Inc.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XIV

DSE-E32 (IMMUNOLOGY)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Overview of the Immune System 7

1. Introduction to basic concept in immunology
2. Principles of innate and adaptive immune system

Unit 2: Cells and Organs of the immune system 8

1. Haematopoeisis
2. Cells of immune system
3. Organs (Primary and Secondary lymphoid organs) of the immune system
4. Immune responses- Humoral and cell mediated

Unit 3 : Antigens 7

1. Basic properties of antigens
2. B and T cell epitopes

Unit 5: Immunoglobulin / Antibodies 8

1. Structure, Classes and Functions of Antibodies
2. Antigen – Antibody interactions
3. Hybridoma Technology: Monoclonal Antibodies in diagnosis and therapeutics

SUGGESTED READINGS:

1. Kindt, T. J., Goldsby, R.A., Osborne, B. A. and Kuby, J (2006). Immunology, VI Edition. W.H. Freeman and Company. David, M., Jonathan, B., David, R. B. and Ivan R. (2006).
2. Immunology, VII Edition, Mosby, Elsevier Publication. Abbas, K. Abul and Lechtman H. Andrew (2003.) Cellular and Molecular
3. Immunology. V Edition. Saunders Publication.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XV

DSE-E31 (Applied Zoology - II)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit 1: Apiculture 8

1. Types and casts of honey bee
2. Honey Comb
3. Bee Keeping
    a. Artificial models of bee hive – Newton and Langstroth models
    b. Bee keeping Equipments
    c. Extraction of Honey
4. Medicinal Value of Honey

Unit 2 : Animal Husbandary 5

1. Indigenous and exotic breeds of cattle
2. Preservation and artificial insemination in cattle
3. Induction of early puberty
4. Synchronization of estrus in cattle
5. Commercial importance of dairy farming

Unit 3: Pearl culture 4

1. Species of oyster
2. Process of Pearl formation: natural and artificial
3. Maintenance of oysters
4. Harvesting
5. Importance of Pearl

Unit 4: Freshwater prawn culture **3**

1. Species of Prawn
2. Site selection
3. Farm Construction
4. Production system: fertilization, Larval Development, Food and feeding
5. Harvesting

Unit 5: Fish Technology **5**

Genetic improvements in aquaculture industry:

1. Induced breeding
2. Transportation of fish seed
3. Feeding and development
4. Harvesting and Marketing

Unit 4 : Goat Farming- **5**

1. Breeds
2. Feeding
3. Housing
4. Economic Importance

SUGGESTED READINGS:

1. Mollusca - Hyman.
2. Prawn and Prawn Fishery of India - Kurian.
3. Fish Culture - K. H. Alikuhni.
4. Fish Culture - Lagter.
5. Fishes of India. - Khanna.
6. Hand Book of Animal Husbandary and Dairy - Mudlyer.
7. Bee keeping in India - Sardar Sing.
8. Bee Keeping in India- M. G. Smith.
9. Poultry keeping in India - Naidu P.N.M.
10. Poultry Husbandary - M. A. Jule. 18. Poultry Husbandary - Moarthy.
11. Outlines of Dairy Technology - Sukumar De.
12. Milk and milk products - Clarence Henry Eckles,Willes Barnes Combs, Harold Macy

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Paper- XVI

DSE-F32 (Insect Vectors and Histology)

Theory: 30 hrs. (37.5 lectures of 48 minutes) (Credits 2)

Unit I: Dipteran as Disease Vectors 18

1. Dipteran as important insect vectors
    a. Mosquitoes
    b. Sand fly
    c. Houseflies
2. Study of mosquito born diseases –
    a. Malaria
    b. Dengue
    c. Chikungunya
    d. Viral encephalitis
    e. Filariasis
3. Control measures of Mosquitoes
4. Study of house fly as important mechanical vector
    a. Myiasis, Control of house fly

Unit II: Siphonoptera as Disease Vectors 6

1. Fleas a important insect vectors
2. Host-specificity
3. Study of Flea-borne diseases
    a. Plague
    b. Typhus fever
4. Control of fleas

Unit III: Histology of mammalian organs 6

Tooth, tongue, Salivary glands, Stomach, Duodenum, Ileum, Liver, Pancreas, Kidney

SUGGESTED READINGS:

1. Imms, A.D. (1977). A General Text Book of Entomology. Chapman & Hall, U K Chapman, R.F. (1998).
2. The Insects: Structure and Function. IV Edition, Cambridge University Press, U K Pedigo L.P. (2002).
3. Entomology and Pest Management. Prentice Hall PublicationMathews, G. (2011).
4. Integrated Vector Management: Controlling Vectors of Malaria
5. Insect Vector Borne Diseases. Wiley-Blackwell
6. Textbook of Histology: Bloom W and Fawcett D.W.
7. Histology: Lippinocott. Ham, A.W.
8. Histology: Greep, R.O and well, L.
9. An Atlas of Histology. Heinemann Educational Book Ltd. London and ELBS: Freeman. W.H. and Bracegirdle, B.
10. Microscopic Anatomy of vertebrates, Lea and Febigen. Philaldelphia: Kendall, J.I.
11. Histology of Mammals: Athavale, M.V and Latey, A. N.

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – I (Credits-02)

Comparative anatomy and developmental biology of vertebrates

I. Comparative Study of following

1. V.S. of skin of vertebrates
2. Digestive system of vertebrates
3. Respiratory system of vertebrates
4. Heart of vertebrates
5. Brain of vertebrates
6. Osteology
    a) The skeleton of fowl (Disarticulated)
    b) The skeleton of rabbit (Disarticulated)
    c) Mammalian skull's – (any one herbivorous and one carnivorous animal)

II. Study of developmental stages of frog.

1. Cleavage
2. Blastulation
3. Gastrulation
4. Neurulation
5. Stages of metamorphosis in frog
    a. External gill stage
    b. Internal gill stage
    c. Forelimb stage
    d. Hind limb stage
    e. Tail bud stage
    f. Juvenile stage

III. Study of Chick Embryo

12. Whole mount of chick embryo – 18, 24, 33, 48 and 72 hours.
13. T.S. of chick embryo – 18, 24, 33, 48 and 72 hours.

VI. Preparation of whole mount chick embryo.

IV. Study of Histological structures of placenta (permanent slide or microphotographs)

1) Epitheliochorial
2) Endotheliochorial
3) Hemochorial
4) Syndesmochorial
5) Hemoendothelial

V. Examination of Gametes – Frog or Rat sperm & ovum through slides or microphotographs.

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus of B.Sc. Part III Zoology

Zoology Practical – II (Credits-02)

Applied Zoology – II and Immunology

Unit 1: Applied Zoology

1. Apiculture
    a. Casts of Honey Bees
    b. Bee Hive(Photographs or models)
    c. Pollen Basket
    d. Sting Apparatus
    e. Honey
    f. Newton's model of Bee Hive (Photographs or models)
    g. Bee keeping Equipments (Photographs or models)

2. Preservation & Artificial insemination in cattles
8. Pearl culture
    a. Species of oyster
    b. Process of Pearl formation: natural and artificial
    c. Importance of Pearl
9. Freshwater prawn culture
    a. Species of Prawn
    b. Site selection
    c. Farm Construction
    d. Production system
    e. Harvesting
10. Goat farming
    a. Breeds (any four = 2 Indigenous and 2 Exotic)
    b. Housing
    c. Feeding

6. Visit to goat farm or animal breeding centre – submission of visit report

B] Immunology

1. Study of lymphoid organ's (Photograph, Models, Videos)
2. Histological study of (slides or photographs)
    a. Spleen
    b. Thymus
    c. Lymph nodes
3. Preparation of stained blood smears to study various types of blood cells
4. Determination of ABO blood groups
5. Demonstration of
    a. ELISA
    b. Immuno-electrophoresis

C] Cell counting and viability test from splenocytes of farm breed animals / cell lines

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – III (Credits-02)

Molecular biology, Animal biotechnology, Biostatistics & Biotechniques

I] Microtechnique

1. Preparation of permanent histological slides by HE technique
2. Histochemical technique
    a. AB PH 1 technique
    b. AB PH 2.5 technique
    c. PAS technique

II] Biotechniques

1. Chromatography – Separation of amino acid by paper chromatography
2. DNA isolation
3. Demonstration of DNA by feulgan technique
4. To study the following technique (photographs)
    a) Southern blotting
    b) Northern blotting
    c) Western blotting
    d) DNA sequencing (Sangers method)
    e) PCR
    f) DNA fingerprinting

III) Biostatistics

Any 10 example based on theory

IV] Project (any suitable work possible in local area or from the syllabus) Report of the same to be submitted at the time of practical examination

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus of B.Sc. Part III Zoology
Zoology Practical – IV (Credits-02)

Aquatic biology, insect vector & diseases

A] Aquatic biology

1. Determination of area of a lake using graphimetric & gravimetric method
2. Identify the zooplanktons present in lake ecosystem
3. Determination of turbidity or transparency from nearby lake or water body
4. Determination of dissolved oxygen
5. Determination of free CO_2
6. Determination of alkalinity (Carbonates & bicarbonates) from water collected from nearby lake or water body
7. Estimation of total hardness of water
8. Instruments used in limnology & their significance
   a) Secchi disc
   b) Van Dorn bottle
   c) Conductivity meter
   d) Turbidity meter
   e) PONAR grab sampler
9. Visit to seashore/water reservoir/animal sanctuary to study animal diversity. Report of tour should be submitted at the time of practical examination
10. Endocrine glands (Anatomy and Histology) – Thyroid, Parathyroid, Adrenal and Pancreas.

B] Insect Vectors & diseases

10. Study of different kinds of mouthparts of insects
    a) Chewing & biting
    b) Chewing & lapping
    c) Piercing & sucking
    d) Sponging
    e) Siphoning
11. Study of following insect vectors through permanent slides or photograph
    a) Insect vector – Mosquito, sandfly & housefly
    b) Study of mosquito born diseases – Malaria, dengue, chikungunya, encephalitis, filariasis
    c) Study of sandfly born diseases – Visceral leishmanians, Cutaneous leishmanians, Phlebotomus fever
    d) Study of housefly born diseases – Myiasis
    e) Study of flea born diseases – Plague, typhus
12. Histology of Following mammalian organs-
    a) Tooth (V.S.) b) Tongue c) Salivary gland d) Stomach e)Duodenum f) Ileum g) Liver h) Pancreas i) Kidneys

Revised syllabus

of

Environmental Studies

(As per the UGC Draft guidelines and Curriculum framework for Environmental Education)

Compulsory paper for all Undergraduate Courses for Second year

Under

Shivaji University, Kolhapur

Syllabus to be implemented from Year

2023-24

Shivaji University, Kolhapur
Syllabus of Environmental Studies
2023-24
as a Compulsory Paper for all Undergraduate Courses

Course Learning Objectives:

The objectives of the course are that the students should:

1. understand the scope of Environment with the vision of sustainable development
2. familiarise the various environmental problems related to local, regional and global problems.
3. get acquainted with the role of environmental management system in environmental conservation.

Course Outcomes:

Upon completion of the course, students will be able to:

CO1: Get acquainted with the scope and multidisciplinary nature of environmental science with the overall aim of sustainable development.

CO2: Understand the importance of ecosystems in the view of its conservation.

CO3: Know the values of natural resources with associated problems for sustainable lifestyles.

CO4: Familiarise the basics of Biodiversity and concerned issues in the context of Western Ghats.

CO5: Make aware of the pollution issues with its mitigation measures.

CO6: Understand the social issues accompanied by environmental issues in the light of role of Indian culture and movements in conservation of the environment.

CO7: Recognize the significance of policies and legislation in environmental protection.

CO8: Acquire problem solving attitude through actual experiential learning in the form of field work and projects

P.V.P. Mahavidyalaya,
Kavathe Mahankal (Sangli)
Inward No 235
Date 18/07/2023
Signature

Dr. Vinod

Shivaji University, Kolhapur
Syllabus of Environmental Studies
2023-24
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Unit 1. Nature of Environmental Studies/ Humans and the Environment: (4 lectures)

Definition, scope and importance.

Multidisciplinary nature of environmental studies

Need for public awareness.

Introduction to sustainable development: Sustainable Development Goals (SDGs)- targets and indicators, challenges and strategies for SDGs.

UN Conference on Human Environment 1972; World Commissionon Environment and Development and the concept of sustainable development; Rio Summit and subsequent international efforts.

Unit 2. Natural Resources and Associated Problems : (6 lectures)

Overview of natural resources: Definition of resource; Classification of natural resources- biotic and abiotic, renewable and non-renewable.

Biotic resources: Major type of biotic resources- forests, grasslands, wetlands, wildlife and aquatic (fresh water and marine); Microbes as a resource; Status and challenges.

a) Forest resources: Use and over-exploitation, deforestation, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Water scarcity and stress; Conflicts over water.
c) Mineral resources: Usage and exploitation. Environmental effects of extracting and using mineral resources.
d) Food resources: World food problem, changes caused by agriculture ,effect of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewable and non- renewable energy resources, use of alternate energy sources. Solar energy , Biomass energy, Nuclear energy,

Unit 3. Conservation of Biodiversity and Ecosystems: **(6 lectures)**

Introduction- Definition: genetic, species and ecosystem diversity.
Bio-geographical classification of India.
Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
India as a mega- diversity nation.
Western Ghat as a biodiversity region. Hot-spots of biodiversity.
Threats to biodiversity: habitat loss, poaching of wildlife, man- wildlife conflicts, Endangered and endemic species of India, Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Convention on Biological Diversity.

Ecosystems and ecosystem services: Major ecosystem types in India and their basic characteristics- forests, wetlands, grasslands, agriculture, coastal and marine; Ecosystem services- classification and their significance.

Unit 4. Environmental Pollution and Health : **(8 lectures)**

Understanding pollution: Production processes and generation of wastes; Assimilative capacity of the environment; Definition of pollution; Point sources and non-point sources of pollution.

Definition: Causes, effects and control measures of: Air pollution, Sources of air pollution; Primary and secondary pollutants; Criteria pollutants- carbon monoxide, lead, nitrogen oxides, ground-level ozone, particulate matter and sulphur dioxide; Other important air pollutants- Volatile Organic compounds (VOCs), Peroxyacetyl Nitrate (PAN), Polycyclic aromatic hydrocarbons (PAHs) and Persistent organic pollutants (POPs); Indoor air pollution; Adversehealth impacts of air pollutants; National Ambient Air Quality Standards.

Water pollution, Water quality parameters and standards; adverse health impacts of water pollution on human and aquatic life.

Soil pollution, Soil pollution and solid waste: Soil pollutants and their sources; Solid and hazardous waste; Impact onhuman health

Noise pollution, Noise pollution: Definition of noise; Unit of measurement of noise pollution; Sources of noise pollution; Noise standards; adverse impacts of noise on human health.

Thermal and radioactive pollution: Sources and impact on human health and ecosystems.
, Marine pollution,
Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

Unit 5. Climate Change: Impacts, Adaptation and Mitigation: **(6 lectures)**

Understanding climate change: Natural variations in climate; Structure of atmosphere; Anthropogenic climate change from greenhouse gas emissions– past, present and future; Projections of globalclimate change with special reference to temperature, rainfall, climate variability and extreme events; Importance of 1.5 °C and 2.0 °C limits to global warming; Climate change projections for the Indian sub-continent.

Impacts, vulnerability and adaptation to climate change: Observed impacts of climate change on oceanand land systems; Sea level rise, changes in marine and coastal ecosystems; Impacts on forests and natural ecosystems; Impacts on animal species, agriculture, health, urban infrastructure; the concept of vulnerability and its assessment; Adaptation vs. resilience; Climate-resilient development; Indigenous knowledge for adaptation to climate change.

Mitigation of climate change: Synergies between adaptation and mitigation measures; Green House Gas (GHG) reduction vs. sink enhancement; Concept of carbon intensity, energy intensity and carbonneutrality; National and international policy instruments for mitigation, decarbonizing pathways and net zero targets for the future; Energy efficiency measures; Renewable energy sources; Carbon capture and storage, National climate action plan and *Intended Nationally Determined Contributions* (INDCs); Climate justice.

Unit 6. Environmental Protection- Policies and practises : (8 lectures)

Major Indian Environmental Legislations: Environmental Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and control of Pollution) ActWildlife Protection Act, Forest Conservation Act

The Biological Diversity Act, 2002; The Scheduled Tribes andOther Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006; Noise Pollution (Regulation and Control) Rules, 2000; Industry-specific environmental standards; Waste management rules; Ramsar sites; Biosphere reserves; Protected Areas; Ecologically Sensitive Areas; Coastal Regulation Zone; Status phase-out of production and consumption of Ozone Depleting Substances by India

Major International Environmental Agreements: Convention on Biological Diversity (CBD); Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES); Ramsar Convention on Wetlands of International Importance; United NationsConvention to Combat Desertification (UNCCD); Vienna Convention for the Protectionof the Ozone Layer; Montreal Protocol on Substances that Deplete the Ozone; Stockholm Convention on Persistent Organic Pollutants; Minamata Convention on Mercury; United Nations Framework Convention on Climate Change (UNFCCC); Kyoto Protocol; Paris Agreement; India's status as a party to major conventions

Major International organisations and initiatives: United Nations Environment Programme (UNEP), International Union for Conservation of Nature (IUCN),World Commission on Environment and Development (WCED), United Nations Educational, Scientific and Cultural Organization (UNESCO),Intergovernmental Panel on Climate Change (IPCC), and Man and the Biosphere (MAB) programme.

Unit 7. Environmental Issues and Environmental Management **(7 lectures)**

Introduction to environmental laws and regulation: Constitutional provisions- Article 48A, Article 51A

(g) and other derived environmental rights; Introduction to environmental legislations on the forest,wildlife and pollution control,

Environmental management system: ISO

14001Life cycle analysis; Cost-benefit

analysis

Environmental audit and impact assessment; Environmental risk assessment

Pollution control and management; Waste Management- Concept of 3R (Reduce, Recycle and Reuse)and sustainability; Ecolabeling /Ecomark scheme

Environmental issues and scales; Concepts of micro-, meso-, synoptic and planetary scales; Temporal andspatial extents of local, regional, and global phenomena
Global change: Ozone layer depletion; Climate change.
Global warming, acid rain, smog, ozone layer depletion, nuclear accidents and holocaust. Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Consumerism, ecological foot prints, carbon foot prints,carbon credits.

Unit 8. Case Studies and Field Work **(30 hrs)**

The students are expected to be engaged in some of the following or similar identified activities:

- Discussion on one national and one international case study related to the environment and sustainable development.
- Field visits to identify local/regional environmental issues, make observations including data collection and prepare a brief report.
- Documentation of campus biodiversity.
- Campus environmental management activities such as solid waste disposal, water management, and sewage treatment.