

'Social Transformation Through Dynamic Education'



BHARATI VIDYAPEETH'S
**MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA
MAHAVIDYALAYA**

KADEGAON, Dist. Sangli – 415305

Dr. Patangrao Kadam

MA., LL.B., Ph.D.

Founder, Bharati Vidyapeeth, Pune

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M. Sc., M Phil., Ph.D.

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Criterion- I

Curricular Aspects

1.3.1: Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human values, Environment and Sustainability in transacting the Curriculum.

Crosscutting Issues



"Social Transformation Through Dynamic Education"



Bharati Vidyapeeth's

Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon, Dist. Sangli.

1.3.1: List of the programmes with their Crosscutting issues related to Professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum.

Index

Sr. No.	Name of the programme	Page no.
1	Botany	3-54
2	English	55-58
3	Marathi	59-83
4	Hindi	84-85
5	Sociology	86-94
6	Commerce	95-102
7	Zoology	103-105





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.



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 MINERAL 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), Active uptake (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



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Revised Syllabus For

M.Sc. Part-I

Botany
CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.



M.Sc. PART-I (SEMESTER I)
Paper-III (CC-103): Plant Ecology and Evolution

Lectures: 60

Unit-I:

(15)

1. Major Ecosystems – types of biomes
2. Terrestrial biomes- grassland , tropical rainforest, temperate deciduous forest.
3. Aquatic biomes – 1. Fresh water ecosystem – Lotic and Lentic
2. Marine ecosystem – ocean, sea, estuary
4. Species interaction: concept of allelopathy, parasitism, mutualism, commensalism, competition and predation

Unit-II: Population and Community Ecology

(15)

1. **Population Ecology:** Characteristics of a population; population growth curves; population regulation, life history strategies (r and K selection); concept of metapopulation - demes and dispersal, interdemie extinctions, age structured populations.
2. **Community Ecology:** Nature of communities; community structure and attributes; level of species diversity and its measurement, edges and ecotones.

Unit- III:

(15)

1. **Ecological Succession:** Types; mechanisms; changes involved in succession, concept of climax.
2. **Emergence of evolutionary thoughts:** Lamarck; Darwin-concepts of variation, adaptation struggle, fitness and natural selection; Spontaneity of mutations; the evolutionary synthesis.

Unit- IV:

(15)

1. **Origin of cells and unicellular evolution :** Origin of basic biological molecules; Abiotic synthesis of organic monomers and polymers; Concept of Oparane and Haldane; Experiment of Miller (1953); The first cell; Evolution of prokaryotes; Origin of eukaryotic cells; Evolution of unicellular eukaryotes.
2. **Phytogeographical regions of India, Environmental educational programmes (UNESCO, MAB, Biosphere reserve, UNEP, WWF)**

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M.Sc. PART-I (SEMESTER I)

Paper-I (CCB1): Biology and Diversity of Fungi, Algae and Bryophytes

Total lectures: 60

Unit: I		[15]
Fungi		
General characters of Fungi.		[1]
Classification of Fungi by Hawksworth <i>et al.</i> (1995).		[1]
Biodiversity and Taxonomy of following phyla up to the level of order.		[13]
Phyla	Order	
Chytridiomycota	Chytridiales	
Zygomycota	Glomales	
Ascomycota	Taphrinales, Xylariales, Pezizales	
Basidiomycota	Aphylliphorales, Uredinales, Ustilaginales Phallales, Nidulariales	
Unit II:		[15]
Biodiversity and Taxonomy of following phyla up to the level of order		[15]
Oomycota	Saprolegniales, Peronosporales	
Hypochytridiomycota	Hypochytriales	
Labyrinthulomycota	Labyrinthulales	
Plasmodiophoromycota	Plasmodiophoromycetales	
Dictyostelliomycota	Dictyostelliales	
Myxomycota	Stemonitales	
Unit III:		[15]
Algae		
Classification of Algae by Robert Edward Lee (2008)		[2]
Culture, Cultivation and methods of preservation.		[2]
Role of Algae in human welfare		[1]
Structure, Reproduction, Phylogeny and interrelationship with reference to the classes mentioned		
Cyanophyceae, Chlorophyceae, Xanthophyceae, Bacillariophyceae		
Phaeophyceae, Rhodophyceae, Chrysophyceae		[10]
Unit IV:		[15]
Bryophytes		
Classification of Bryophytes as per Vashishta <i>et al.</i> (2011)		[2]
Origin of Bryophytes		[1]
Distribution, habit, morphology, reproduction, phylogeny, and inter relationship with reference to the orders mentioned		[10]
Sphaerocarpaceae, Takakiales, Jungermanniales, Metzgeriales, Anthocerotales, Sphagnales		



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M.Sc. PART-I (SEMESTER I)

Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany

Total Lectures: 60

Unit I:	[15]
Brief outline of Classification of Pteridophytes (Extant)	(2)
Morphology, anatomy, reproduction, phylogeny and interrelationship of following orders. (Extant)	
Lycopodiales- <i>Lycopodium</i> ,	
Selaginales - <i>Selaginella</i> ,	
Isoetales- <i>Isoetes</i> ,	
Filicales- <i>Microsorium</i> , <i>Pteris</i> ,	
Marattiales- <i>Angiopteris</i> ,	
Salviniales- <i>Salvinia</i> .	(12)
Current trends of research in Pteridophytes : Overview	(1)
Unit II:	[15]
Classification of Gymnosperms (Latest system)	(2)
Study of morphology, anatomy, reproductive organs and affinities of extant members of following orders. Coniferales, Ginkgoales, Taxales, Ephedrales, Welwitschiales	(10)
Applied aspects of Gymnosperms.	(3)
Unit III:	[15]
Morphology anatomy and evolutionary trends in Lepidodendrales and Sphenophylales, Psilophytales, Marattiales, Filicales	(12)
Evolution in reproductive characters of Cycadales.	(3)
Unit IV:	[15]
Study of geological time scale.	(2)
Morphology, anatomy and evolutionary trends of following extinct groups. Pteridospermales, Bennettitales, Cordaitales, Cycadales.	(10)
Techniques used in the study of different fossil types.	(3)

Practical II (CCPR-105.2)

Unit I:

1-6. Morphological, anatomy and reproductive studies of the following members (available specimens / slides) (Extant) [15]

Lycopodiales	:	<i>Lycopodium</i> ,
Selaginales	:	<i>Selaginella</i>
Isoetales	:	<i>Isoetes</i>
Filicales	:	<i>Microsorium</i> , <i>Pteris</i>
Marattiales	:	<i>Angiopteris</i>
Salviniales	:	<i>Salvinia</i>

Unit II:

[15]



DEPARTMENT OF BOTANY
SHIVAJI UNIVERSITY, KOLHAPUR

M. SC. BOTANY REVISED SYLLABUS
(AS PER NATIONAL EDUCATION POLICY 2020)

FROM JULY 2022

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY



M.Sc. PART – II (SEMESTER III)
MAJOR ELECTIVE COURSE – I (THEORY) [2 CREDITS]
PLANT PHYSIOLOGY
STRESS PHYSIOLOGY OF PLANTS

[TOTAL LECTURES: 30]

UNIT I:

- ❖ **Water stress:** Causes of water stress: Arid and Semiarid regions, Drought effect on physiological processes in plants, Mechanism of stomatal action, various mechanisms of drought resistance in plants, Antitranspirants, Drought hardening, Transgenic approach.
- ❖ **Flooding stress:** Nature of waterlogging stress. Effect of flooding stress on physiological processes in plants. Wetland and non-wetland species. Mechanism of waterlogging tolerance.
- ❖ **Gaseous stress:** Effect of elevated CO₂ concentration on plant metabolism, Effect of air pollutant SO₂ and O₃ on plants.
- ❖ **Biotic stress:** Effect of fungal infection on plant metabolism, Biochemical mechanism of disease resistance, Allelopathy, crop-weed interaction, Biopesticides

UNIT II:

- ❖ **Salt stress:** Definition of saline soil, Causes of soil Salinization. A brief outline of Salt affected soils in India, Physiological responses of plants to salinity stress, Halophytes and glycophytes mechanism of salinity tolerance in higher plants, Genetic engineering for salt tolerance.
- ❖ **Radiation stress:** Influence of high light intensity on photosynthesis, Photoprotection mechanisms, Effect of UV radiations on plants, Mechanism of UV tolerance.
- ❖ **Oxidative stress:** Generation of reactive oxygen species, Effect of ROS on metabolism, ROX detoxification mechanisms in plants, Transgenic approaches.

M. SC. PART – II (SEMESTER III)
MAJOR ELECTIVE PRACTICAL COURSE – II (PRACTICAL) [2 CREDITS]
PLANT PHYSIOLOGY
STRESS PHYSIOLOGY OF PLANTS

[10 PRACTICALS]

- ❖ Measurement of osmotic potential of controlled and stressed tissue.
- ❖ Determination of chlorophyll stability index.
- ❖ Effect of salt stress on plant growth.
- ❖ Effect of PEG induced drought stress on osmolyte accumulation.
- ❖ Study of effect of fungal infection on polyphenol oxidase activity.
- ❖ Study of free radicals scavenging enzyme catalase in healthy and infected plants.
- ❖ Study of super oxide dismutase in healthy and infected plants.
- ❖ Effect of different light intensity on growth and phenolics.
- ❖ Study of protein profiling under stress conditions.

REFERENCE BOOKS

- ❖ Buchnan, B.B., Gruissem, W. And Jones, R.L. (2000) Biochemistry and Molecular Biology of Plants. Wiley-Blackwell
- ❖ Cherry, J. H. (ed.) (1989) Environmental Stress in Plants: Biochemical and Physiological Mechanisms Associated with Environmental Stress Tolerance in Plants (NATO ASI Series G, vol. 19). Springer, Berlin.



SHIVAJI UNIVERSITY, KOLHAPUR

SYLLABUS

For

M.Sc. Botany

(Semester Pattern)
Sem. III to IV



Estd. 1962

NAAC 'A' Grade

Choice Based Credit System
(CBCS)

To be implemented From

June, 2020 onwards



M.Sc. PART-I (SEMESTER I)

Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany

Total Lectures: 60

Unit I:	[15]
Brief outline of Classification of Pteridophytes (Extant)	(2)
Morphology, anatomy, reproduction, phylogeny and interrelationship of following orders.(Extant)	
Lycopodiales- <i>Lycopodium</i> ,	
Selagineles - <i>Selaginella</i> ,	
Isoetales- <i>Isoetes</i> ,	
Filicales- <i>Microsorium</i> , <i>Pteris</i> ,	
Marattiales- <i>Angiopteris</i> ,	
Salviniales- <i>Salvinia</i>	(12)
Current trends of research in Pteridophytes : Overview	(1)
Unit II:	[15]
Classification of Gymnosperms (Latest system)	(2)
Study of morphology, anatomy, reproductive organs and affinities of extant members of following orders. Coniferales, Ginkgoales, Taxales, Ephedrales, Welwitschiales	(10)
Applied aspects of Gymnosperms.	(3)
Unit III:	[15]
Morphology anatomy and evolutionary trends in Lepidodendrales and Sphenophylales, Psilophytales, Marattiales, Filicales	(12)
Evolution in reproductive characters of Cycadales	(3)
Unit IV:	[15]
Study of geological time scale.	(2)
Morphology, anatomy and evolutionary trends of following extinct groups. Pteridospermales, Bennettitales, Cordaitales, Cycadales.	(10)
Techniques used in the study of different fossil types.	(3)

Practical II (CCPR-105.2)

Unit I:

1-6. Morphological, anatomy and reproductive studies of the following members (available specimens / slides) (Extant)	[15]
Lycopodiales : <i>Lycopodium</i> ,	
Selaginales : <i>Selaginella</i>	
Isoetales : <i>Isoetes</i>	
Filicales : <i>Microsorium</i> , <i>Pteris</i>	
Marattiales : <i>Angiopteris</i>	
Salviniales : <i>Salvinia</i>	

Unit II:

[15]



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For

M.Sc. Botany

(Semester Pattern)

Sem. III to IV



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June, 2020 onwards



- Gupta, P. K.** 2000. Elements of Biotechnology. Rastogi Publisher, Meerut, India.
- Glick, B. R. and Pasternak, J. J.** 1994. Molecular Biotechnology- Principles and applications of recombinant DNA. ASM Press, Washington.
- Mitra, S.** 1996. Genetic Engineering- principles and practice. Memilan, India ltd.
- Technology information, forecasting and assessment council (TIFAC). 2002. Sources of patent information and patent agents. Technology Bhavan, New Delhi.
- Technology information, forecasting and assessment council (TIFAC). 2002. Lecture notes on patents. Technology Bhavan, New Delhi.

M. Sc PART-II (SEMESTER IV)

PAPER- XIV (DSE- 404)

BIODIVERSITY: CONSERVATION AND UTILISATION

Lectures: 60

UNIT-I

BIOLOGICAL DIVERSITY: Mega diversity countries, magnitude of biodiversity, direct, indirect and ethical values of biodiversity, loss of biodiversity, reasons for loss of biodiversity, Taxonomic initiatives, Systematic agenda 2020.

ENDEMISM: Definition, types of endemism, RED list categories of IUCN, Hot spots and Hottest hotspots, Keystone and Flagship species, Biodiversity of India, Hotspots of plant diversity in India, Plant endemism in India with special emphasis on Western Ghats.

UNIT-II

Principles of Biodiversity Conservation, Status of plants based on International Union for Conservation of Nature (IUCN), General account of activities of BSI, NBPGR, CSIR, DBT, NGOs. Convention on Biological diversity (CBD) and Documentation of biodiversity.

UNIT -III

In-situ conservation : concept, Protected areas – 1. Protected Areas category-system proposed by IUCN, 2. Protected Area Network of India including sanctuaries, National parks, conservation reserves, community reserves.3.Biosphere Reserves, Wetlands, Mangrove and Coral Reefs.

Ex-situ conservation: Concept, Botanical gardens; Gene banks, Seed banks, Pollen bank, Cryobanks.

UNIT-IV



WILD PLANT RESOURCES AND THEIR UTILIZATION: Wild Plants of ornamental potential, wild relatives of cultivated plants, wild edible plants and their nutritive value, under exploited medicinal plants, plants of commercial importance, energy plants, petrocrops, Plants suitable in phyto-remediation.

CCPR 405.4 : PLANT BIODIVERSITY AND CONSERVATION

PAPER XIV: PRACTICAL COURSE

Unit V:

- 1-3. Preparation of plant based products : dyes, essential oils, mosquito repellents, dhoop sticks
4. Study of endemic plants from Western Ghats (CR, EN, VU – 20 species)
5. Study of wild plants of Ornamental potential (15 plant species)
6. Wild relatives of cultivated plants (*Abelmoschus*, *Cucumis*, *Momordica*, *Vigna*, Rice, *Sorghum*, Sugarcane, *Flemingia*, *Cajanus*, banana etc.)

Unit VI:

- 1-2 Study of wild edible plants: microchemical test to detect sugar, starch, protein and lipids
3. Preparation of jam and jellies/ pickles/ sarbat/ tea etc.
4. Plants of commercial importance: detection of alkaloids (Solanaceae members)
5. Energy plants: determination of lipids (*Castor*, *Jatropha* and *Pongamia* seeds)
6. Plants useful in Phytoremediation

Books and References:

1. Tayler, V.E.; Brady, L.R. and Robber, J. R. 1976, Pharmacognosy, Balliere Tindall, Calcutta.
2. Trease and Evans, 1972, Pharmacognosy, Lea and Fobiger, Philadelphia.
3. Wagner, H. 1984, Plant Drug Analysis.
4. Wagner, H., 1977, New Natural Products and Plant Drugs with Pharmacological, Biological or Therapeutical Activity.
5. Wallis, T. E., 1967, Practical Pharmacology J and A Churchill LTD, London.
6. Dewick Paul M. 1998 Medicinal natural products (a biosynthetic approach). 1st edn, by John Wiley and sons Ltd., England
7. Pushpengadam P., Nyman Ulf, George V, 1995, Glimpses of Indian Ethanopharmacology Tropical botanic Garden and research institute.
8. Peter B. Kaufman 1998 Natural Products from plants, 1st edn, by, CRC press, Newyork.
9. Farooqui A. A. and Shreeramu B.S. 2001 Cultivation of medicinal and aromatic crops, 1st edn, University press, new Delhi
10. Schirmer, R.E., 2000, Modern Methods of Pharmaceutical Analysis, Vol. 1, 2, Boca Raton F.L.: CRC Press
11. Indian Pharmacopoeia 2007.
12. European Pharmacopoeia 6th Edn. 2008.
13. Leadlay, E. and Jury, S. (eds.). 2006. Taxonomy and Plant Conservation. Cambridge University Press.



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SYLLABUS

For

M.Sc. Botany

(Semester Pattern)

Sem. III to IV



Estd. 1962

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June, 2020 onwards



M.Sc. PART-I (SEMESTER I)

Paper-I (CCBI): Biology and Diversity of Fungi, Algae and Bryophytes

Total lectures: 60

Unit: I		[15]
Fungi		
General characters of Fungi.		[1]
Classification of Fungi by Hawksworth <i>et al.</i> (1995).		[1]
Biodiversity and Taxonomy of following phyla up to the level of order.		[13]
Phyla	Order	
Chytridiomycota	Chytridiales	
Zygomycota	Glomales	
Ascomycota	Taphrinales, Xylariales, Pezizales	
Basidiomycota	Aphyllaphorales, Uredinales, Ustilaginales Phallales, Nidulariales	
Unit II:		[15]
Biodiversity and Taxonomy of following phyla up to the level of order		[15]
Oomycota	Saprolegniales, Perenosporales	
Hypochoytridiomycota	Hypochoytriales	
Labyrinthulomycota	Labyrinthulales	
Plasmodiophoromycota	Plasmodiophoromycetales	
Dictyostelliomycota	Dictyostelliales	
Myxomycota	Stemonitales	
Unit III:		[15]
Algae		
Classification of Algae by Robert Edward Lee (2008)		[2]
Culture, Cultivation and methods of preservation.		[2]
Role of Algae in human welfare		[1]
Structure, Reproduction, Phylogeny and interrelationship with reference to the classes mentioned		
Cyanophyceae, Chlorophyceae, Xanthophyceae, Bacillariophyceae		
Phaeophyceae, Rhodophyceae, Chrysophyceae		[10]
Unit IV:		[15]
Bryophytes		
Classification of Bryophytes as per Vashishta <i>et al.</i> (2011)		[2]
Origin of Bryophytes		[1]
Distribution, habit, morphology, reproduction, phylogeny, and inter relationship with reference to the orders mentioned		[10]
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Dist. Sangli**

Department of Botany

Crosscutting issues

Year 2019-2020

Year	Crosscutting Issue	Curriculum Reference	Pattern & date of implementation
2019-2020	Stress physiology	B. Sc. II, Sem IV Semester- III Botany Paper VI: DSC C14: Plant Physiology	C. B. C. S. (June, 2019)
	Environmental ecology	M. Sc. I Sem I Paper-III (CC-103): Plant Ecology and Evolution (04)	C. B. C. S. (June, 2019)
	Culture, cultivation, and preservation of Algae	M. Sc. I Sem I Paper-I (CC-101): Biology and Diversity of Fungi, Algae and Bryophytes – (04)	C. B. C. S. (June, 2019)
	Techniques used in fossil types	Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany (04)	C. B. C. S. (June, 2020)
	In situ conservation, Ex situ conservation, Wild plant resources and their utilization	M. Sc. II Sem IV DSE 404: Biodiversity: Conservation and Utilization	C. B. C. S. (June, 2019)
	Biodiversity conservation	B. Sc. I Sem II Botany Paper IV: DSC-14B: Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)	C. B. C. S. (June, 2020)



Principal

**B.V.M.S.K. Kanya Mahavidyalaya
Kadegaon Dist Sangli**



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Botany
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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 MINERAL 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), Active uptake (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



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M.Sc. Part-I

Botany

CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.



M.Sc. PART-I (SEMESTER I)
Paper-III (CC-103): Plant Ecology and Evolution

Lectures: 60

Unit-I:

(15)

1. Major Ecosystems – types of biomes
2. Terrestrial biomes- grassland , tropical rainforest, temperate deciduous forest.
3. Aquatic biomes – 1. Fresh water ecosystem – Lotic and Lentic
2. Marine ecosystem – ocean, sea, estuary
4. Species interaction: concept of allelopathy, parasitism, mutualism, commensalism, competition and predation

Unit-II: Population and Community Ecology

(15)

1. **Population Ecology:** Characteristics of a population; population growth curves; population regulation, life history strategies (r and K selection), concept of metapopulation - demes and dispersal, interdemic extinctions, age structured populations.
2. **Community Ecology:** Nature of communities; community structure and attributes; level of species diversity and its measurement, edges and ecotones.

Unit- III:

(15)

1. **Ecological Succession:** Types; mechanisms; changes involved in succession, concept of climax.
2. **Emergence of evolutionary thoughts:** Lamarck; Darwin-concepts of variation, adaptation struggle, fitness and natural selection; Spontaneity of mutations; the evolutionary synthesis.

Unit- IV:

(15)

1. **Origin of cells and unicellular evolution :** Origin of basic biological molecules; Abiotic synthesis of organic monomers and polymers; Concept of Oparane and Haldane; Experiment of Miller (1953); The first cell; Evolution of prokaryotes; Origin of eukaryotic cells; Evolution of unicellular eukaryotes.
2. Phylogeographical regions of India, **Environmental educational programmes** (UNESCO, MAB, Biosphere reserve, UNEP, WWF)



SHIVAJI UNIVERSITY, KOLHAPUR.



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Revised Syllabus For

M.Sc. Part-I

Botany

CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.



M.Sc. PART-I (SEMESTER I)

Paper-I (CCB1): Biology and Diversity of Fungi, Algae and Bryophytes

Total lectures: 60

Unit: I		[15]
Fungi		
General characters of Fungi.		[1]
Classification of Fungi by Hawksworth <i>et al.</i> (1995).		[1]
Biodiversity and Taxonomy of following phyla up to the level of order.		[13]
Phyla	Order	
Chytridiomycota	Chytridiales	
Zygomycota	Glomales	
Ascomycota	Taphrinales, Xylariales, Pezizales	
Basidiomycota	Aphylliphorales, Uredinales, Ustilaginales, Phallales, Nidulariales	
Unit II:		[15]
Biodiversity and Taxonomy of following phyla up to the level of order		[15]
Oomycota	Saprolegniales, Peronosporales	
Hypochoytridiomycota	Hypochoytriales	
Labyrinthulomycota	Labyrinthulales	
Plasmodiophoromycota	Plasmodiophoromycetozles	
Dictyostelliomycota	Dictyostelliales	
Myxomycota	Stemonitales	
Unit III:		[15]
Algae		
Classification of Algae by Robert Edward Lee (2008)		[2]
Culture, Cultivation and methods of preservation.		[2]
Role of Algae in human welfare		[1]
Structure, Reproduction, Phylogeny and interrelationship with reference to the classes mentioned		
Cyanophyceae, Chlorophyceae, Xanthophyceae, Bacillariophyceae		
Phaeophyceae, Rhodophyceae, Chrysophyceae		[10]
Unit IV:		[15]
Bryophytes		
Classification of Bryophytes as per Vashishta <i>et al</i> (2011)		[2]
Origin of Bryophytes		[1]
Distribution, habit, morphology, reproduction, phylogeny, and inter relationship with reference to the orders mentioned		[10]
Sphaerocarpaceae, Takakiales, Jungermanniales, Metzgeriales, Anthocerotales, Sphagnales		



SHIVAJI UNIVERSITY, KOLHAPUR.



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Revised Syllabus For

M.Sc. Part-I

Botany

CBCS PATTERN

Syllabus to be implemented from

June, 2019 onwards.



M.Sc. PART-I (SEMESTER I)

Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany

Total Lectures: 60

Unit I:	[15]
Brief outline of Classification of Pteridophytes (Extant)	(2)
Morphology, anatomy, reproduction, phylogeny and interrelationship of following orders.(Extant)	
Lycopodiales- <i>Lycopodium</i> ,	
Selaginales - <i>Selaginella</i> ,	
Isoetales- <i>Isoetes</i> ,	
Filicales- <i>Microsorium</i> , <i>Pteris</i> ,	
Marattiales- <i>Angiopteris</i> ,	
Salviniales- <i>Salvinia</i>	(12)
Current trends of research in Pteridophytes : Overview	(1)
Unit II:	[15]
Classification of Gymnosperms (Latest system)	(2)
Study of morphology, anatomy, reproductive organs and affinities of extant members of following orders. Coniferales, Ginkgoales, Taxales, Ephedrales, Welwitschiales	(10)
Applied aspects of Gymnosperms.	(3)
Unit III:	[15]
Morphology anatomy and evolutionary trends. in Lepidodendrales and Sphenophytales, Psilophytales, Marattiales, Filicales	(12)
Evolution in reproductive characters of Cycadales	(3)
Unit IV:	[15]
Study of geological time scale.	(2)
Morphology, anatomy and evolutionary trends of following extinct groups. Pteridospermales, Bennettitales, Cordaitales, Cycadales,	(10)
Techniques used in the study of different fossil types.	(3)

Practical II (CCPR-105.2)

Unit I:

1-6. Morphological, anatomy and reproductive studies of the following members (available specimens / slides) (Extant) [15]

Lycopodiales	:	<i>Lycopodium</i> ,
Selaginales	:	<i>Selaginella</i>
Isoetales	:	<i>Isoetes</i>
Filicales	:	<i>Microsorium</i> , <i>Pteris</i>
Marattiales	:	<i>Angiopteris</i>
Salviniales	:	<i>Salvinia</i>

Unit II:

[15]



DEPARTMENT OF BOTANY
SHIVAJI UNIVERSITY, KOLHAPUR

M. SC. BOTANY REVISED SYLLABUS
(AS PER NATIONAL EDUCATION POLICY 2020)

FROM JULY 2022

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY



M.Sc. PART-I (SEMESTER - I)

PAPER-IV (CC - 104/ CCO -104): BIODIVERSITY: CONSERVATION AND UTILISATION

TOTAL LECTURES: [60]

UNIT I: [15]

BIOLOGICAL DIVERSITY: Mega diversity countries, magnitude of biodiversity, direct, indirect and ethical values of biodiversity, loss of biodiversity, reasons for loss of biodiversity, Taxonomic initiatives, Systematic agenda 2020.

ENDEMISM: Definition, types of endemism, RED list categories of IUCN, Hot spots and Hottest hotspots, Keystone and Flagship species, Biodiversity of India, Hotspots of plant diversity in India, Plant endemism in India with special emphasis on Western Ghats.

UNIT II: [15]

Principles of Biodiversity Conservation, Status of plants based on International Union for Conservation of Nature (IUCN), General account of activities of BSI, NBPGR, CSIR, DBT, NGOs. Convention on Biological diversity (CBD) and Documentation of biodiversity.

UNIT III: [15]

In-situ conservation: concept, Protected areas - 1. Protected Areas category-system proposed by IUCN, 2. Protected Area Network of India including sanctuaries, National parks, conservation reserves, community reserves, 3. Biosphere Reserves, Wetlands, Mangrove and Coral Reefs.

Ex-situ conservation: Concept, Botanical gardens, Gene banks, Seed banks, Pollen bank, Cryobanks.

UNIT-IV [15]

WILD PLANT RESOURCES AND THEIR UTILIZATION: Wild Plants of ornamental potential, wild relatives of cultivated plants, wild edible plants and their nutritive value, under exploited medicinal plants, plants of commercial importance, energy plants, petrocrops, Plants suitable in phyto-remediation.



Standard Format For
Syllabus Framework

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Revised Syllabus For

Bachelor of Science (Part I) Botany

Paper -I, II - (Semester- I)

and

Paper -III, IV - (Semester-II)

(NEP-2020) Syllabus to be implemented from August 2022 onwards.



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: <i>Nostoc</i> b) Chlorophyceae: <i>Spirogyra</i>	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: <i>Rhizobium</i> b) Blue-green algae: <i>Nostoc</i> c) Fungi: <i>Trichoderma</i> c) Pteridophytes: <i>Azolla</i> iii) Procedure for preparation of Biofertilizers- Bacteria and Blue green algae	09
Total Lectures			30



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Department of Botany

Crosscutting issues

Year 2018-2019

Year	Crosscutting Issue	Curriculum Reference	Pattern & date of implementation
2018-2019	Ecology	B. Sc. Part I: Subject: Botany Semester -II Botany Paper III: DSC- 13 B: Plant Ecology	C. B. C. S. (June, 2018)
2018-2019	Stress physiology	B. Sc. II, Sem IV Semester- III Botany Paper VI: DSC C14: Plant Physiology	C. B. C. S. (June, 2019)
2018-2019	Conservation biology	M. Sc. I Sem I Paper-III (CC-103): Plant Ecology and Evolution (04)	C. B. C. S. (June, 2019)
2018-2019	Culture, cultivation and preservation of Algae	M. Sc. I Sem I Paper-I (CC-101): Biology and Diversity of Fungi, Algae and Bryophytes – (04)	C. B. C. S. (June, 2019)
2018-2019	Techniques used in fossil types	Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany (04)	C. B. C. S. (June, 2019)



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- iii) Venous system
- iv) Blood – Composition and function.

UNIT – IV

- e) Excretory system and physiology of urine formation 12
- f) Reproductive system
- g) Nervous system – Brain and spinal cord
- h) Sense organs – Eye and Ear

Total periods: 40

**Revised Syllabus for
B.Sc. Part – I
(Introduced from June 2013 onwards)**

Semester-II

Paper –IV

**TITLE OF PAPER - (Ecology, Ethology, Evolution and Applied
Zoology)**

UNIT – I

- 1) Ecology 16
- a) Abiotic factors- Temperature, Light, Water & Soil
- b) Biotic factors – i) Intraspecific associations
ii) Interspecific associations
- c) Brief idea of species, community, Niche and Ecosystem
- d) Food chain, Ecological pyramids and energy flow with reference to pond and grass land ecosystem

UNIT – II

- 1) Ethology 8
- a) Mimicry in monarch butterfly and in stick insect. Camouflage in chameleon
- b) Courtship behavior in Scorpion and weaver bird
- c) Social behavior in Honey bees

UNIT – III

- 1) Evolution 8
- a) Formation and dating of fossils
- b) Connecting link - Peripatus and Archaeopteryx
- c) Living fossil – King crab (limulus) and Sphenodon

UNIT – IV

- 1) Applied Zoology – Sericulture 8
- a) Types of silk moth
- b) Morphology of mulberry silk moth
- c) Life Cycle
- d) Rearing of silk moth
- e) Economic importance

Total Periods: 40





B. Sc. Part II Semester- IV

ZOOLOGY

Paper-VIII

DSC- (APPLIED ZOOLOGY-I)

Theory: 30 hrs. (37.5 lectures of 48 minutes)

Marks-50 (Credits: 02)

Unit 1:

Introduction to Host-parasite Relationship: (4 hrs.)

Host, Definitive host, Intermediate host, Parasitism, Symbiosis, Commensalism, Reservoir, Zoonosis.

Unit 2:

Epidemiology of Diseases: (7 hrs.)

Transmission, Prevention and control of diseases: Tuberculosis, Typhoid.

Unit 3:

Rickettsia and Spirochaetes: (6 hrs.)

Brief account of *Rickettsia prowazekii*, *Borrelia recurrentis* and *Treponema pallidum*.

Unit 4:

Insects of Economic Importance: (8 hrs.)

Biology, Control and damage caused by *Helicoverpa armigera*, *Pyrilla perpusilla* and *Papilio demoleus*, *Callosobruchus chinensis*, *Sitophilus oryzae* and *Tribolium castaneum*

Unit 5:

Poultry Farming: (5 hrs.)

Principles of poultry breeding, Management of breeding stock and broilers, Processing and Preservation of eggs.





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: I Animal Diversity

(16 hrs)

Type Study: Rat (*Rattus rattus*) (Physiology is not expected)

- Systematic position, Habit and Habitat
- Morphological Characters
- Digestive System
- Respiratory System
- Circulatory System (Composition of Blood and Heart)
- Excretory System
- Reproductive System
- Brain for Rat

Unit: II : Insect Vectors

1. Mosquito as an insect 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 important mechanical vector

(2 hrs)

Housefly born diseases with respect to Causal organism, life cycle, symptoms

- a. Myiasis
- b. Control Measure of housefly

3. Flea as an insect vector

(4 hrs)

Flea born diseases with respect to Causal organism, life cycle and symptoms

- a. Plague
- b. Typhus fever
- c. Control of fleas

Total Periods – 30 hrs





B. Sc. Part II Semester- IV

ZOOLOGY

Paper-VII

DSC- (REPRODUCTIVE BIOLOGY)

Theory: 30 hrs. (37.5 lectures of 48 minutes)

Marks-50 (Credits: 02)

Unit 1: Functional anatomy of female reproduction: (15 hrs.)

Outline and histological structure of female reproductive system in rat and human; Ovary: folliculogenesis, ovulation, corpus luteum formation and regression; Steroidogenesis and secretion of ovarian hormones; Reproductive cycles in human and their regulation, changes in the female tract; Ovum transport in the fallopian tubes; Sperm transport in the female tract, fertilization; Hormonal control of implantation; pregnancy diagnosis Hormonal regulation of gestation, , Mechanism of parturition and its hormonal regulation; Lactation and its regulation.

Unit 2:

Functional anatomy of male reproduction: (8 hrs.)

Outline and histology of male reproductive system in human; Testis: Cellular functions, germ cell; Spermatogenesis: hormonal regulation; Epididymal function and sperm maturation; Accessory glands functions; Sperm transportation in male tract.

Unit 3: Reproductive Health: (7 hrs.)

Infertility in male and female: causes, diagnosis and management; Assisted Reproductive Technology: sex selection, sperm banks, frozen embryos, in vitro fertilization, ET, EFT, IUT, ZIFT, GIFT, ICSI, PROST; Modern contraceptive technologies.





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Bachelor of Science (Part I) Botany

Paper -I, II - (Semester- I)

and

Paper -III, IV - (Semester-II)

(NEP-2020) Syllabus to be implemented from August 2022 onwards.



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: <i>Nostoc</i> b) Chlorophyceae: <i>Spirogyra</i>	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: <i>Rhizobium</i> b) Blue-green algae: <i>Nostoc</i> c) Fungi: <i>Trichoderma</i> c) Pteridophytes: <i>Azolla</i> iii) Procedure for preparation of Biofertilizers- Bacteria and Blue green algae	09
Total Lectures			30

45



DEPARTMENT OF BOTANY
SHIVAJI UNIVERSITY, KOLHAPUR

M. SC. BOTANY REVISED SYLLABUS
(AS PER NATIONAL EDUCATION POLICY 2020)

FROM JULY 2022

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY



M. SC. PART I (SEMESTER I)

PAPER I (CC - 101): BIOLOGY AND DIVERSITY OF ALGAE, FUNGI AND BRYOPHYTES

TOTAL LECTURES: [60]

UNIT I: ALGA [15]

- Origin, evolution and trends in classification of Algae; Evolution of Chloroplast in Algae; Outline of Robert E. Lee (2008) classification of algae.
- Thallus organization, types of reproduction and evolution of sexual reproduction in algae
- Occurrence and distribution, thallus organization, cell structure and reproduction of algal classes: Cyanophyceae, Rhodophyceae, Chlorophyceae, Ulvophyceae, Charophyceae, Euglenophyceae, Phaeophyceae, Xanthophyceae and Bacillariophyceae.

UNIT II: FUNGI [15]

- Origin, evolution and trends in classification of fungi.
- Classification of fungi by Hawksworth *et al.* (1995).
- Biodiversity and Taxonomy of following phyla up to the level of order:
Chytridiomycota: Chytridiales; **Zygomycota:** Glomales; **Ascomycota:** Taphrinales, Xylariales and Pezizales; **Basidiomycota:** Aphyllphorales, Uredinales, Ustilaginales, Phallales and Nidulariales; **Oomycota:** Saprologniales, and Perenosporales;
Hypochytridiomycota: Hypochytriales; **Labyrinthulomycota:** Labyrinthulales;
Plasmodiophoromycota: Plasmodiophoromycetales; **Dictyostelliomycota:** Dictyostelliales; **Myxomycota:** Stemonitales.

UNIT III: BRYOPHYTES [15]

- Recent classification of Liverworts (Stotler & Stotler, 2000); Hornworts (Renzaglia, & Vaughn, 2000) and Mosses (Buck & Goffinet, 2000).
- Distribution, habit, morphology, reproduction, phylogeny and interrelationship of Classes: **Marchantiophyta:** **Marchantiopsida:** Sphaerocarpaceae, Marchantiales and Ricciales. **Jungermannioophyta:** **Jungermannioopsida:** Fossombroniales, Metzgeriales, Jungermanniales and Porellales.
Anthocerotophyta: **Anthocerotopsida:** Anthocerotales, Notothyladales
Bryophyta: **Takakiopsida:** Takakiales; **Sphagnopsida:** Sphagnales; **Polytrichopsida:** Polytrichales, Tetraphidales; **Andreaeopsida:** Andreaeales; **Bryopsida:** Diphysciales, Encalyptales.

UNIT IV: [15]

- Culture, Cultivation and methods of preservation of Algae, Fungi and Bryophytes
- Role of Algae in human welfare; Algae as a Source of Biofuel, Phytoremediation
- Industrial and Biotechnological applications of Algae
- Economic importance and Industrial applications of Fungi
- Economic and Ecological significance of Bryophytes



DEPARTMENT OF BOTANY
SHIVAJI UNIVERSITY, KOLHAPUR

M. SC. BOTANY REVISED SYLLABUS
(AS PER NATIONAL EDUCATION POLICY 2020)

FROM JULY 2022

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY



M.Sc. PART-I (SEMESTER – I)

PAPER-II (CC-102): BIOLOGY AND DIVERSITY OF PTERIDOPHYTES AND GYMNOSPERMS (EXTANT & EXTINCT)

TOTAL LECTURES: [60]

UNIT I:

PTERIDOPHYTES: [15]

- Trends in classification system.
- Classification given by Pteridophytes Phylogeny Group – I (PPG – I)
- Morphology, anatomy, reproduction of following orders: Psilotales (Ex. *Tmesipteris* and *Psilotum*); Lycopodiales (Ex. *Lycopodium*, *Lycopodiella*); Isoetales (Ex. *Isoetes*); Selaginellales (Ex. *Selaginella*); Equisetales (Ex. *Equisetum*); Marattiales (*Angiopteris*); Polypodiales (*Pteris*, *Microsorium*); Salviniiales (*Salvinia*).

UNIT II: [15]

GYMNOSPERMS:

- Classification of Gymnosperms (Latest system). [02]
- Study of morphology, anatomy, reproductive organs and affinities of extant members of orders: Coniferales, Ginkgoales, Taxales, Ephedrales, Welwitschiales [10]
- Applied aspects of Gymnosperms. [03]

UNIT III: [15]

- Morphology, anatomy and evolutionary trends in Lepidodendrales, Sphenophyllales, Psilophytales, Marattiales and Filicales [12]
- Evolution in reproductive characters of Cycadales [03]

UNIT IV: [15]

- Study of geological time scale. [02]
- Morphology, anatomy and evolutionary trends of following extinct groups.
- Pteridospermales, Bennettitales, Cordaitales, Cycadales. [10]
- Techniques used in the study of different fossil types [03]

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DEPARTMENT OF BOTANY
SHIVAJI UNIVERSITY, KOLHAPUR

M. SC. BOTANY REVISED SYLLABUS
(AS PER NATIONAL EDUCATION POLICY 2020)

FROM JULY 2022

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY



M.Sc. PART-I (SEMESTER – I)

PAPER-IV (CC – 104/ CCO –104): BIODIVERSITY: CONSERVATION AND UTILISATION.

TOTAL LECTURES: [60]

UNIT I: [15]

BIOLOGICAL DIVERSITY: Mega diversity countries, magnitude of biodiversity, direct, indirect and ethical values of biodiversity, loss of biodiversity, reasons for loss of biodiversity, Taxonomic initiatives, Systematic agenda 2020.

ENDEMISM: Definition, types of endemism, RED list categories of IUCN, Hot spots and Hottest hotspots, Keystone and Flagship species, Biodiversity of India, Hotspots of plant diversity in India, Plant endemism in India with special emphasis on Western Ghats.

UNIT II: [15]

Principles of Biodiversity Conservation, Status of plants based on International Union for Conservation of Nature (IUCN), General account of activities of BSI, NBPGR, CSIR, DBT, NGOs. Convention on Biological diversity (CBD) and Documentation of biodiversity.

UNIT III: [15]

In-situ conservation: concept, Protected areas – 1. Protected Areas category-system proposed by IUCN, 2. Protected Area Network of India including sanctuaries, National parks, conservation reserves, community reserves. 3. Biosphere Reserves, Wetlands, Mangrove and Coral Reefs.

Ex-situ conservation: Concept, Botanical gardens, Gene banks, Seed banks, Pollen bank, Cryobanks.

UNIT-IV [15]

WILD PLANT RESOURCES AND THEIR UTILIZATION: Wild Plants of ornamental potential, wild relatives of cultivated plants, wild edible plants and their nutritive value, under-exploited medicinal plants, plants of commercial importance, energy plants, petrocrops, Plants suitable in phyto-remediation.



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Department of Botany

Crosscutting issues

Year 2021-2022

Year	Crosscutting Issue	Curriculum Reference	Pattern & date of implementation
2021-2022	Biodiversity conservation	B. Sc. I Sem II Botany Paper IV: DSC-14B: Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)	NEP-2020 (August 2022)
	Culture, cultivation, and preservation of Algae	M. Sc. I Sem I Paper-I (CC-101): Biology and Diversity of Fungi, Algae and Bryophytes – (04) Paper-II (CC-102):	NEP (July, 2022)
	Techniques used in fossil types	Biology and Diversity of Pteridophytes, Gymnosperms and Palaeobotany (04)	NEP (July, 2022)
	In situ conservation, Ex situ conservation, Wild plant resources and their utilization	M. Sc. I Sem I Paper IV CC-104 Biodiversity: Conservation and Utilization	NEP (July, 2022)




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Department of Botany

Crosscutting issues

Year 2020-2021

Year	Crosscutting Issue	Curriculum Reference	Pattern & date of implementation
2020-2021	Culture, cultivation, and preservation of Algae	M. Sc. I Sem I Paper-I (CC-101): Biology and Diversity of Fungi, Algae and Bryophytes – (04)	C. B. C. S. (June, 2020)
	Techniques used in fossil types	Paper-II (CC-102): Biology and Diversity of Pteridophytes, Gymnosperms and Paleobotany (04)	C. B. C. S. (June, 2020)
	In situ conservation, Ex situ conservation, Wild plant resources and their utilization	M. Sc. II Sem IV DSE 404: Biodiversity: Conservation and Utilization	C. B. C. S. (June, 2020)
	Stress physiology	MSc II Sem IV CC-401: Plant physiology	NEP-2020 (August 2022)
	Biodiversity conservation	B. Sc. I Sem II Botany Paper IV: DSC-14B: Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)	NEP-2022 (August, 2022)



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1.1.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into the Curriculum.

Sr. no.	Class & Subject	Unit	Cross-cutting issue	Page no.
1	B.Sc-I Zoology	I	Environment and Sustainability	
2	B.Sc-I Zoology	VI and V	Sustainability and Gender	

List of Add on /Certificate programs relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability crosscutting issues

SR. No.	Name of the Add on / Certificate Course	Cross cutting issue
1	Vermicomposting	Sustainability
2	Techniques in sericulture	Environment and Sustainability



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DEPARTMENT OF ENGLISH
Cross Cutting Issues

2022-23

**(Gender, Environment, Sustainability, Human Values
and Professional Ethics)**

Class	Name of Unit/Chapter	Cross Cutting Issues
B A III	Nagmandala – GirishKarnad	Gender
B A II	All the World is A Stage- William Shakespeara	
B A II	Harvest – MunulaPadmanabhan	
B A I	The Final Solution – ManikBandopadhya	
BA I	Leaf in the Storm – LalathaambikaAntharajana	
B A II	Defend Yourself Against Me – BapsiSidhwa	
B All	The Cuckoo – William Wordsworth	
B A I	Felling of Bunyan Tree – DilipChitre	Environment and Sustainability
B A I	A River –R K Ramanujan	
BAI	Mending Wall – Robert Frost	
B A II	The Tiger – William Blake	
B A I	The Solitary Reaper – William Wordsworth	
B Com II	In Passion's Shadow – Mohan Rakesh	Human Values
B Com II	To My Countryman – Abdul Kalam	
B A I	The Shroud – Premchand	
B A I	Laloo – SaratchandraChattarji	
B A I	Light, Oh Where is the Light – R Tagore	
B A I	I Say untoWaris Shah – Amrita Pritam	
B Com I	A Smile – Bill Naughtan	
B A II	The Highwayv- Ray Bradbury	
BA II	Father Returing Home – DilipChitre	
B All	Partition Causes and Effects	
B All	Train to Pakistan – Khushwant Singh	
B All	Home and Exile	
B All	Toba Tek Singh – Sadat HasanManto	

	Animal Farm – George Orwell	Professional Ethics
B AllI	Song of Youth – APJ Abdul Kalam	
B Com II	Three Questions Leo Tolstoy	
B Com I	On Smile – A G Gardinar	
B A III	War – Luigi Pirandello	
B Sc III	English for General Purpose	
B Sc I	Developing Vocabulary	
B AllI	Developing Writing Skills	
B A III	Grammar for Competitive Examination	
B Sc III	Group Discussion	
B Com II	English for Banking and Industries	
B Com I	Business Correspondence	
B Sc I	Telephonic Communication	
B Sc III	Note Making and Note Taking	
B AI	Oral Skills	
B Com I	On Saying Please – A G Gardiner	
B Sc III	E Communication	
B SC I	English for Advertising	
B Sc III	Introduction to Media Writing	
B AllI	English for Specific Purpose	


Head
 Dept. of English
 B.V.M.B.S.K. K.M.K. Kadegaon




Pr. Principal
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 Kadegaon, Dist. Sangli



Bharati Vidyapeeth's

Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalay, Kadegaon
Tal. - Kadegaon, Dist. Sangli (MS)

DEPARTMENT OF ENGLISH
Cross Cutting Issues

(2017-18 to 2022-23)

(Gender, Environment, Sustainability, Human Values
and Professional Ethics)

Name of Unit/Chapter	Cross Cutting Issues
<ul style="list-style-type: none">• Nagmandala – Girish Karnad• All the World is A Stage- William Shakespeara• Harvest – Munula Padmanabhan• The Final Solution – Manik Bandopadhya• Leaf in the Storm – Lalathaambika Antharajana• Detend Yourself Against Me – Bapsi Sidhwa	Gender
<ul style="list-style-type: none">• The Cuckoo – William Wordsworth• Felling of Bunyan Tree – Dilip Chitre• A River –R K Ramanujan• Mending Wall – Robert Frost• The Tiger – William Blake• The Solitary Reaper – William Wordsworth	Environment and Sustainability
<ul style="list-style-type: none">• In Passion's Shadow – Mohan Rakesh• To My Countryman – Abdul Kalam• The Shroud – Premchand• Laloo – Saratchandra Chattarji• Light. Oh Where is the Light - R Tagore• I Say unto Waris Shah – Amrita Pritam	

<ul style="list-style-type: none"> • A Smile – Bill Naughtan • The Highway- Ray Bradbury • Father Returning Home – Dilip Chitre • Partition Causes and Effects • Train to Pakistan – Khushwant Singh • Home and Exile • Toba Tek Singh – Sadat Hasan Manto • Animal Farm – George Orwell • Song of Youth – APJ Abdul Kalam • Three Questions Leo Tolstoy • On Smile – A G Gardinar • War – Luigi Pirandello 	Human Values
<ul style="list-style-type: none"> • English for General Purpose • Developing Vocabulary • Developing Writing Skills • Grammar for Competitive Examination • Group Discussion • English for Banking and Industries • Business Correspondence • Telephonic Communication • Note Making and Note Taking • Oral Skills • On Saying Please – A G Gardiner • E Communication • English for Advertising • Introduction to Media Writing • English for Specific Purpose 	Professional Ethics

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 Dept. of English
 B.V.S MBSK KMK Kadegeon



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Vc. Principal
 B.V.M.B.S.K. Kanya Mahavidyalaya,
 Kadegeon, Dist. Sangli

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Sr. No.	Class & Subject	Unit	Crosscutting Issues	Page no.
1	B. A. I Marathi- Aksharbandha	Vasana-Module II	Gender, Human Values, Environment	
2	B. A. I Marathi- Aksharbandha	Lala Chikhal-Module II	Professional Ethics, Environment	
2	B. A. I Marathi- Shabdsnhita	Pannaspai Shunya Mark- Modul I	Human Values	
4	B. A. II Marathi- Kay Denger Vara Sutalya	Kay Denger Vara Sutalya- Modul I	Gender, Human Values, Environment	
5	B. A. II Marathi-Kavyagandha	Keshavasut & Vasant Bapat- Modul I	Human Values, Gender	
6	B. A. II Marathi-Mati Pankha Ani Aakash	Mati Pankha Ani Aakash - Modul II	Gender, Human Values, Environment	
7	B. A. II Marathi- Jugad	Jugad - Modul II	Professional Ethics, Environment, Gender, Human Values	
8	B. A. III Marathi- Saahityavichar	Alankar- Modul IV	Professional Ethics	
9	B. A. III Marathi- Marathi Bhasha va Bhashavidnyan	Bhashotpatti Vichar- Modul I	Professional Ethics, Environment, Gender	
10	B. A. III Marathi- Madhyugin Marathi Vangmayacha Itihas	Dnyaneshwrache Karya- Modul III	Gender, Human Values,	
11	B. A. III Marathi- Marathi Bhasha V Arthranachya Sandhi	Shodnibandha v Prkalp Lekhan - Modul III	Professional Ethics	
12	B. A. III Marathi- Vangmayinpravhache Adhyan	Drushtantpathatil Aashaysutre- Modul II	Professional Ethics, Environment, Gender	
13	M. A. I Marathi- Bhashik Avishkarachi Rupe	Bhasha Ani Sahitya- Modul III	Professional Ethics	
14	M. A. I Marathi- Vishesh Sahityakrutincha Abhyaas	Bhijaki Vahi-Modul II & III	Gender, Human Values	
15	M. A. I Marathi- Vangamayacha Itihas	Patrakaarita- Modul III	Professional Ethics, Human Values	
16	M. A. I Marathi- Lokasahitya va Lokakala	Lokasahityacha Abhyaas Paddahti-Modul III	Gender, Human Values, Environment	
17	M. A. II Marathi- Samaajbhasahavidnyan	Samajbhashavidnyanache Swrup ani Vyapti - Modul I	Professional Ethics, Human Values,	
18	M. A. II Marathi- Vangamayinsanskruti	Vangmayin Sanskrutiche Ghatak- Modul IV	Gender, Human Values, Environment	
19	M. A. II Marathi- Samikshashidhant Ani Upyojan	Aadibandhatmak Samiksha -Modul III	Professional Ethics, Human Values, Gender	
20	M. A. II Marathi- Boliabhyaas	Bhasha Boli Ani Samaaj- Modul I	Gender, Human Values, Environment, Professional Ethics	

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 Head,
 Dept. of Marathi
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शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

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)

विद्याशास्त्रीय 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

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 अनुपंगिक 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

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 घर्माधिकारी 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

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 : Semester No. III

Discipline Specific Core Course (DSC-C1) Marathi Paper No.III

विद्याशाखीय विशेष गाभा (DSC-C1) (अभ्यासपत्रिका - ३)

साहित्यकृती : काय डॅंजर वारा सुटलाय! (नाटक)

जयंत पवार, पॉप्युलर प्रकाशन, मुंबई, २०११

: मराठी भाषिक कौशल्ये

शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, २०१९

उद्दिष्टे:

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 डॅंजर वारा सुटलाय! - आशयमूत्रे	१५	१
विभाग २ Module II	काय डॅंजर वारा सुटलाय! - पात्रे, घटनाप्रसंग, संवाद व संघर्षाचे स्वरूप	१५	१
विभाग ३ Module III	काय डॅंजर 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

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 : Semester 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

उद्दिष्टे:

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. पुंकर २. जपावयाला शिकली होतीस ३. आज (प्रेमविषयक) अचानक ४. नाजूक रुपडे ५. विस्मृती	१५	१
विभाग २ Module II	नारायण सुर्वे- १. दोन दिवस २. माझी आई ३. गिरणीची लावणी (अपविषयक) 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 जालीव) ३. घोषणा ४. खमता ५. धग असतेच आसपास	१५	१
विभाग ४ Module IV	उपयोजित मराठी - काव्यनिर्मिती प्रक्रिया १. प्रसंगावर २. घटनेवर ३. चित्रावर ४. अनुभवावर	१५	१

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-४ : Semester 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

उद्दिष्टे:

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

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-४ : Semester 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



उद्दिष्टे:

- कादंबरी वाङ्मयप्रकाराची ओळख करून घेणे.
- समकालीन कादंबरीतील नव्या अवकाशाचा शोध घेणे व आधुनिकतेमधील अंतर्विरोध समजून घेणे.
- मानवी मूल्यांविषयी जाणीव निर्माण करणे.
- कादंबरीलेखनाचे विशेष अभ्यासणे.
- वृत्तांतलेखन कौशल्ये रुजविणे.

अ. क्र. Sr. No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	जुगाड - आशयमूत्रे	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 महलीद्वारे प्रत्यक्ष भेट देऊन त्यावर आधारित वृत्तांतलेखनाचा सराव करवून घेणे	१५	१

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 : Semester No. V : अभ्यासपत्रिका क्र. VII
Discipline Specific Elective (DSE-E1)
विद्याशाखीय विशेष निवड (DSE-E1)
साहित्यविचार

उद्दिष्टे :

१. पौरात्य, पाश्चात्य व आधुनिक भारतीय साहित्यशास्त्राचे स्वरूप समजून घेणे.
२. ललित व ललितेतर साहित्याचे स्वरूप समजून घेणे.
३. साहित्य प्रयोजनांचे आकलन करून घेणे.
४. साहित्याची निर्मितप्रक्रिया 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 ● पौरात्य - भामह, मम्मट, आनंदवर्धन, विश्वनाथ पाश्चात्य - बर्ड्स्वर्थ, फोर्टहोप, मॅथ्यू अर्नोल्ड, कार्लोइल ● आधुनिक - विनोबा भावे, अ. वा. कुलकर्णी, गंगाधर गाडगीळ, वि. ना. डवळे, ■ ललित व ललितेतर साहित्य ■ ललित साहित्यातून व्यक्त होणाऱ्या अनुभवांचे विशेष- संवेदनात्मकता, भावनात्मकता, वैचारिकता, सेंद्रियता, सूचकता, विशिष्टता, विद्यात्मकता	१५	१

विभाग २ Module 2	<p>साहित्याचे प्रयोजन</p> <ul style="list-style-type: none"> ● प्रयोजन म्हणजे काय ? ● प्रयोजन आणि परिणाम यातील फरक ■ साहित्याची प्रयोजने : <p>१) यश किंवा कीर्ती २) व्यवहारज्ञान ३) आनंद ४) उद्बोधन ५) आत्माविष्कार ६) जिज्ञासापूर्ती ७) जीवनानुभूती ८) इच्छापूर्ती अथवा स्वप्नरंजन ९) पलायनवाद (Escapism)</p>	१५	१
घटक ३ Module 3	<p>साहित्यनिर्मितीची कारणे</p> <ul style="list-style-type: none"> ● साहित्यनिर्मितीचे स्वरूप ● साहित्यनिर्मितीची कारणे <p>१) प्रतिभा - स्वरूप व वैशिष्ट्ये (प्रतिभाव्यापार, प्रतिभेचे अलौकिकत्व, अपूर्वनिर्मितिक्षम प्रतिभा, प्रतिभा ही वेडाची बहीण)</p> <p>२) बहुश्रुतता ३) अभ्यास ४) भावनात्मकता ५) संवेदनशीलता ६) उत्प्रेक्षा ७) चमत्कृती ८) स्वास्थ्य (शारीरिक, मानसिक) ९) साहित्यिकाचा जीवनविषयक दृष्टिकोण</p>	१५	१
घटक ४ Module 4	<p>अलंकार</p> <p>१) अतिशयोक्ती २) स्वभावोक्ती ३) दृष्टान्त ४) उपमा ५) अनुप्रास ६) रूपक (व्याख्या, स्वरूप आणि उदाहरणे अपेक्षित)</p>	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

मूचना :

१. विभाग चार वर यम्बुनिष्ठ 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 या नाटकाचे परीक्षण करून सादरीकरण करणे.



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 : Semester No. 5 : अभ्यासपत्रिका क्र. VIII

Discipline Specific Elective (DSE-E2)

विद्याशाखीय विशेष निवड (DSE-E2)

मराठी भाषा व भाषाविज्ञान



उद्दिष्टे :

- भाषोत्पत्तीचा अभ्यास करणे.
- भाषाविज्ञानाचा परिचय करून घेणे.
- भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध जाणून घेणे.
- स्वनविचार, रूपविचार व वाक्यविचारांचा परिचय करून घेणे.
- मराठी भाषेविषयी विद्यार्थ्यांची आवड विकसित करणे.

अभ्यासक्रम

अ. क्र. Sr. No.	षटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module I	<p>भाषोत्पत्ती विचार</p> <ul style="list-style-type: none"> भाषेची उत्पत्ती - इंद्रनिर्मित, राजनिर्मित, समाजनिर्मित भाषेच्या उत्पत्तीच्या उपपत्ती/सिद्धांत <ol style="list-style-type: none"> इंगित (Gesture) मुखाभिनय (Oral Gesture) अनुकरण (Bow-Bow) रणन (Ding Dong) भावनाभिष्यक्ती (Pooh-Pooh) श्रमपरिहार (Yo-he-Yo) प्रेमगानमूलक (Sing-Song) संपर्क (Contact) क्रीडासक्ती (Play-Way) समन्वय उपपत्ती/सिद्धांत 	१५	१
विभाग २ Module II	<p>भाषेचे स्वरूप, व्याख्या आणि वैशिष्ट्ये</p> <ul style="list-style-type: none"> भाषा म्हणजे काय ? भाषेच्या व्याख्या : कृ. पां. कुलकर्णी, ना. गो. काजलेकर, श्री. न. गर्जेट्रगडकर भाषेचे स्वरूप : समाजव्यवहाराचे साधन, ध्वनिमाध्यमता, प्रतीकात्मकता, संकेतबद्धता, भाषा - एक पद्धती, भाषा मानवी आहे. सी. एफ. हकिटने सांगितलेली भाषेची सात वैशिष्ट्ये दुहेरीपण, निर्मितक्षमता, कार्यकारण संबंधाचा अभाव, यादृच्छिकता, अदलाबदलीची शक्यता, विशिष्टीकरण, स्थलकालातीतता, सांस्कृतिक संक्रमण या शिवाय - सामाजिक संस्था, अर्जित भाषा, परिवर्तनशीलता, रेखिकता इ. वैशिष्ट्यांचा विचार 	१५	१

शिवाजी विद्यापीठ, कोल्हापूर
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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 : Semester 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	<p>■ मराठी वाङ्मयाचा प्रारंभकाळ ते इ.स. १२०० पर्यंत</p> <p>अ) विवेकसिंधुपूर्वकालीन रचना कुवलयमाला, मानसोल्लास, राजमतिप्रबोध, अमरनाथ संवाद, गोरक्षगीता इ.</p> <p>ब) मराठीतील आद्य ग्रंथकार मुकुंदराज यांची रचना विवेकसिंधु, पवनविजय, परमामृत</p> <p>क) मराठीतील आद्य कवयित्री महदंबा यांची रचना धवळे (पूर्वार्ध व उत्तरार्ध), मातृकी रुक्मिणीस्वयंवर</p>	१५	१
विभाग २ Module II	<p>■ इ. स. १२०० ते १३०० (स्थूल कालखंड)</p> <p>अ) महानुभावीय गद्य वाङ्मय म्हाडभट - लीळाचरित्र, श्री. गोविंदप्रभूचरित्र व इतर रचना केसोबाम - मूत्रपाठ, दृष्टांतपाठ, म्मृतिस्थळ</p>	१५	१

अ. क्र. Sr. No.	षटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग २ Module II	ब) महानुभावीय षट वाङ्मय सातीग्रंथ (ग्रंथ व ग्रंथकार स्थूल परिचय) नरेंद्र - रुक्मिणी स्वयंवर भास्करभट्ट बोरीकर - शिशुपालवध, उद्धवगीता किंवा एकादशस्कंध दामोदर पंडित - वछाहरण पंडित विन्ध्यनाथ - ज्ञानप्रबोध रवळोव्यास - महाद्विवर्णन नारायणपंडित - श्री ऋद्धिपूर्वर्णन	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, चौभा (नाथ संप्रदाय) शांतलिंग आणि मन्मथशिवलिंग (लिंगायत संप्रदाय) गुणकीर्ती व जिनदासनामा (जैन मराठी कवी) नृसिंह सरस्वती आणि दामोपंत (दत्त संप्रदाय) अज्ञानसिद्ध व बहिराजातवेद (नागेश संप्रदाय) शेख महंमद आणि हुसेन अंबरखान (मुस्लीम मराठी कवी) फादर स्टिफन्स, फादर कुवा (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

मूचना :

१. अंतर्गत मूल्यमापनाकरिता सेमिनारसाठी दहा गुण आहेत.

सेमिनार विषय :

- १) मध्ययुगीन मराठी वाङ्मयातील कोणत्याही एका ग्रंथकाराच्या रचना विश्लेषावर सादरीकरण.
- २) कोणत्याही एका संत कवीच्या काव्यातील सामाजिकतेवर सादरीकरण.
- ३) कोणत्याही एका संत कवयित्रीच्या कवितेतील आत्मनिष्ठा यावर आधारित सादरीकरण.



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 : Semester 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 ● प्रात्यक्षिकामह कथालेखन	१५	१
विभाग २ Module II	वैचारिक लेखन ● वैचारिक लेखन : संकल्पना व स्वरूप ● वैचारिक लेखनाची पद्धत ● वैचारिक लेखनाचे प्रकार ● प्रात्यक्षिकामह 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) <ul style="list-style-type: none"> ● संशोधन : संकल्पना, स्वरूप, महत्त्व ● संशोधनपर लेखनप्रकार परिचय <ol style="list-style-type: none"> 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 <ul style="list-style-type: none"> ● आंतरजालावरील मराठीविषयक लेखनाचे स्वरूप ● नोंदी लेखन, विद्यकोश, विकिपीडिया इ. ● आंतरजालावरील मराठी संकेतस्थळांचा परिचय <ol style="list-style-type: none"> 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. विद्यकोश मंडळ ७. इतर संकेतस्थळे - साहित्य अकादमी, नॅशनल बुक ट्रस्ट, भारतीय भाषा संस्थान, म्हैसूर इ. ● प्रात्यक्षिकांसह 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 विकल्पांसह दीर्घोत्तरी प्रश्न	१५ गुण
प्रश्न ३	अंतर्गत विकल्पांसह 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.



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 : Semester 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, वाक्यरचना, उदाहणे ● अलंकार वैभव ● व्याकरणिक विशेष	१५	१

शिवाजी विद्यापीठ, कोल्हापूर

एम ए. भाग : 1 Class : M.A. I

Syllabus



शिवाजी विद्यापीठ, कोल्हापूर

Bos in Marathi

Choice Based Credit System

June 2017 onward

एम ए. भाग - 1 Class : M.A. I

सत्र : पहिले

अभ्यासपत्रिका क्र. 1

भाषिक आविष्काराची रूपे

उद्दिष्टे

1. भाषिक आविष्काराचे स्वरूप समजून घेणे.
2. भाषेची सर्जनशील प्रक्रिया समजून घेणे.
3. भाषा आणि साहित्य यांचा संबंध समजून घेणे.
4. भाषा आणि साहित्यप्रकार यांतील अनुबंध समजून घेणे.

विभाग Module	घटक Topic	अध्यापन तासिका Teacing Hours	श्रेयांक Credit
विभाग 1 Module 1	भाषिक आविष्कार भाषेची ओळख आविष्काराचे प्रकार : मौखिक-लिखित	15	1
विभाग 2 Module II	भाषेची सर्जनशील प्रक्रिया भाषा आणि दृकश्राव्य कला भाषा आणि सादरीकरणाची कला	15	1
विभाग 3 Module III	भाषा आणि साहित्य साहित्याचे माध्यम म्हणून भाषेचे कार्य साहित्यभाषेची वैशिष्ट्ये	15	1
विभाग 4 Module IV	भाषा आणि कथन (कादंबरी, कथा, महाकाव्य) भाषा आणि भावविणे (काव्य) भाषा आणि दाखविणे (नाटक, सिनेमा)	15	1



शिवाजी विद्यापीठ, कोल्हापूर

Bos in Marathi

Choice Based Credit System

June 2017 onward

एम ए. भाग - 1 Class : M.A. I

सत्र : पहिले

अभ्यासपत्रिका क्र. 2.2

विशेष साहित्यकृतींचा अभ्यास

उद्दिष्ट्ये :

- 1 लेखक अभ्यासपद्धतीचा उपयोग कसा करावा हे समजून घेणे.
- 2 लेखकाचे वाङ्मयीन व्यक्तिमत्त्व आणि लेखक व त्याचा समकाल समजून घेणे.
- 3 साहित्यकृतीतून लेखकाच्या समकालाचे प्रतिबिंब कशा प्रकारे प्रकट होते याचा अभ्यास करणे.
- 4 लेखकाच्या इतर साहित्यकृती विचारात घेऊन लेखकाच्या वाङ्मयीन जडणपडणीचा विचार करणे.
- 5 एकूण वाङ्मयीन परंपरेत लेखकाचे योगदान समजून घेणे.

विभाग Module	घटक Topic	अध्यापन तासिका Teacing Hours	श्रेणीक Credit
विभाग १ Module 1	एकनाथांची भारुडे संपा. वसंत जोशी, मेहता पब्लिकेशन्स	15	1
विभाग २ Module 2	शिवाजीचा पोवाडा समग्र महात्मा फुले वाङ्मय, महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ	15	1
विभाग ३ Module 3	भिजकी वही अरुण कोलटकर, प्रास प्रकाशन, मुंबई	15	1
विभाग ४ Module 4	कोण नाथ कोन्चा वरणभात लोन्चा जयंत पवार, लोकवाङ्मय गृह, मुंबई	15	1

- वरील साहित्यकृती शिकवताना लेखक अभ्यासपद्धतीचा उपयोग करणे आवश्यक आहे.

संदर्भ ग्रंथ

1. प्राचीन मराठी वाङ्मयातील समाजजीवन - ज. ना. कळके
2. एकनाथांची निवडक भारुडे - वसंत जोशी



शिवाजी विद्यापीठ, कोल्हापूर

Bos in Marathi

Choice Based Credit System

June 2017 onward

एम ए. भाग - 1 Class : M.A. I

सत्र : पहिले

अभ्यासपत्रिका क्र. 3

आधुनिक मराठी वाङ्मयाचा इतिहास (स्वातंत्र्यपूर्व काळ)

उद्दिष्टे

1. स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक, राजकीय, सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेणे तसेच त्याचा साहित्यावरील आंतरसंबंध अभ्यासणे
2. या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये अभ्यासणे
3. मुख्य प्रवाहातील साहित्याबरोबरच इतर समांतर साहित्यप्रवाहांची वैशिष्ट्ये समजावू घेणे.

विभाग Module	घटक Topic	अध्यापन तासिका Teacing Hours	श्रेयांक Credit
विभाग १ Module 1	वाङ्मयेतिहासाची संकल्पना साहित्याच्या निर्मितीचे सामाजिक, सांस्कृतिक, राजकीय संदर्भ	15	1
विभाग २ Module 2	भाषांतरीत वाङ्मय	15	1
विभाग ३ Module 3	पत्रकारिता मुख्य प्रवाह आणि समांतर प्रवाह निबंधमाला, केसरी, मराठा, शतपत्रे, काळ सत्यशोधकी निबंध, डॉ. आंबेडकर	15	1
विभाग ४ Module 4	कथात्म साहित्य कथा, कादंबऱ्या, नाटक, कविता	15	1



शिवाजी विद्यापीठ, कोल्हापूर

Bos in Marathi

Choice Based Credit System

June 2017 onward

एम ए, भाग - 1 Class : M.A. I

सत्र : पहिले

अभ्यासपत्रिका क्र. 4.2

लोकसाहित्य व लोककला

उद्दिष्टे

1. लोकसाहित्य आणि लोकसंस्कृती यांतील परस्परसंबंध समजून घेणे.
2. लोकसाहित्याची संकल्पना समजून घेणे.
3. लोकसाहित्याच्या परंपरेची ओळख करून घेणे.
4. लोकसाहित्याच्या उगम आणि व्याप्रीबद्दल माहिती घेणे.

विभाग Module	घटक Topic	अध्यापन तासिका Teacing Hours	श्रेयांक Credit
विभाग १ Module 1	लोकसाहित्य संकल्पना आणि स्वरूप 1. लोकसाहित्य व्याख्या - (पाश्चात्य व भारतीय) 2. लोकसाहित्य संज्ञा व अर्थ 3. लोकसाहित्य आणि लोकसंस्कृती 4. लोकसाहित्य आणि लोकमानस 5. लोकसाहित्यातील आदिबंध व कल्पनाबंध	15	1
विभाग २ Module 2	लोकसाहित्य उत्पत्ती आणि व्याप्री अ) लोकसाहित्याचे प्रकार 1. शब्द लोकसाहित्य - कथा, गीते, वाक्यचार, म्हणी, उखाणे, आख्याने 2. लोककला : लोकनृत्य, लोकनाट्य, लोकवाद्य, शिल्पमूर्ती 3. लोककृती : लोकप्रम, लोकसमज, लोकतत्त्व, लोकविधी ब) लोकसाहित्य आणि अन्य ज्ञानशाखा	15	1



	1. मानववंशशास्त्र, समाजशास्त्र, मानसशास्त्र, भाषाशास्त्र, इतिहास		
विभाग ३ Module 3	लोकसाहित्याच्या अभ्यासपध्दती 1. दैवतकथाशास्त्रीय 2. निसर्गरूपकवादी 3. प्रांतकल्पनावादी 4. हेतुकथावादी 5. अवशेषवादी	15	1
विभाग ४ Module 4	मराठी लोकगीते अभ्यास 1. कथागीते, ओवी, गोंधळगीते 2. वामुदेव, गोंधळी, पांगुळ, पोतराज गीते 3. डक्कलवार, भेदिक शाहिरी (लावणी व पोवाडा) 4. प्रयोगरूप लोककलांचा अभ्यास	15	1

संदर्भग्रंथ

1. लोकसाहित्याची रूपरेखा - दुर्गा भागवत
2. लोकसाहित्य : संकल्पना व स्वरूप - शरद व्यवहारे
3. लोकसाहित्य विचार - अनिल सहस्रबुध्दे
4. लोकसाहित्य : एक स्वतंत्र अभ्यासक्षेत्र - गंगाधर मोरजे
5. लोकसाहित्य आणि लोकसंस्कृती - सरोजिनी बाबर
6. मराठी लावणी वाढूमय - गंगाधर मोरजे
7. लोकसंस्कृतीची क्षितीजे - रा. चिं. ढेंरे
8. लोकप्रतिमा आणि लोकतत्त्वे - मधुकर वाकोडे
9. लोकसंस्कृतीचा अंतःप्रवाह - शरद व्यवहारे
10. शोधयात्रा रंगभूमीची - विद्यनाथ शिंदे
11. मायवाटेचा मागोवा - तारा भवाळकर
12. आंबेडकरी जलसे - भगवान ठाकूर
13. सत्यशोधकी जलसे - संभाजी खराट
14. धर्म आणि लोकसाहित्य - दुर्गा भागवत
15. पुराणकथा आणि वास्तवता - डी. डी. कोसंबी
16. लोकरंगभूमी - प्रभाकर मांडे
17. लोकसाहित्याचा शब्दकोश - सरोजिनी बाबर
18. मराठी लोकनाट्य : तमाशा - नामदेव व्हटकर
19. अनुबंध - तारा पराजपे

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Shivaji University, Kolhapur

एम.ए.भाग २ / Class M.A.II

अभ्यासक्रम / Syllabus

Board of Studies in MARATHI

Choice Based Credit System

June 2018 onwards

सत्र तीन / SEM.III

अभ्यासपत्रिका क्र. ९

समाजभाषाविज्ञान

(Smajbhashavidnyan)



उद्दिष्टे :

१. समाजभाषाविज्ञानाचे स्वरूप समजून घेणे.
२. समाजभाषाविज्ञानातील विविध सिद्धांत, संकल्पनांचा परिचय करून घेणे.
३. समाज, संस्कृती आणि भाषा यामधील परस्पर संबंध समजून घेणे.
४. समाजभाषाविज्ञानाची व्याप्ती समजून घेणे.
५. भाषाव्यवहाराची विविधता समजून घेता येईल.
६. भाषासंपर्काचे स्वरूप अभ्यासता येईल.
७. भाषिक नियोजन म्हणजे काय ते समजून घेता येईल.
८. बहुभाषिक देशांतील भाषिक प्रश्नांचा परिचय होईल.
९. भाषिक नियोजनाची उद्दिष्टे जाणून घेता येतील.
१०. भाषाशिक्षणाचे स्वरूप आणि भाषाशिक्षणाच्या विविध बाजूंचा अभ्यास करता येईल.
११. मराठीच्या विविध बोलींचा समाजभाषावैज्ञानिक विचार करता येईल.

अ. क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	समाजभाषाविज्ञानाचे स्वरूप आणि व्याप्ती समाजभाषाविज्ञान म्हणजे काय?, भाषेचा समाजसापेक्ष अभ्यास, समाजभाषाविज्ञान या स्वतंत्र अभ्यासशाखेचा उद्भव, पायाभूत संकल्पना	१५	१
विभाग २ Module 2	भाषा, समाज आणि संस्कृती भाषा : सामाजिक संस्था, समाज, भाषा आणि संस्कृतीच्या सहसंबंधाचा विचार	१५	१

शिवाजी विद्यापीठ, कोल्हापूर

Shivaji University, Kolhapur

एम.ए.भाग २ / Class M.A.II

अभ्यासक्रम / Syllabus

Board of Studies in MARATHI

Choice Based Credit System

June 2018 onwards

सत्र तीन / SEM.III

अभ्यासपत्रिका क्र. १०.१

वाङ्मयीन संस्कृती

(Vangyamayin Sanskruti)



उद्दिष्टे :

१. वाङ्मयीन संस्कृती ही संकल्पना समजून घेणे.
२. समाज आणि संस्कृती यातील अनुबंध लक्षात घेणे.
३. मौखिक आणि लिखित परंपरेत वाङ्मयीन परंपरेला संघटित करणाऱ्या घटकांचा विचार करणे.
४. वाङ्मयीन संस्कृतीचे स्वरूप तपासणे.

अ. क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	'संस्कृती' संकल्पना स्वरूप संस्कृती व्याख्या संस्कृती संकल्पना, संस्कृतीचे स्वरूप	१५	१
विभाग २ Module 2	समाज, संस्कृती आणि वाङ्मय यांच्यातील अनुबंध समाज संस्कृती अनुबंध, समाज संस्कृती आणि वाङ्मय यांच्यातील अनुबंध	१५	१
विभाग ३ Module 3	वाङ्मयीन संस्कृतीचे घटक (पारंपरिक) मौखिक परंपरा आणि हस्तलिखिते, कथन, पठण आणि श्रवण, सादरीकरण (तमाशा, लळीत, भारुड इ.) प्रेक्षक, श्रोता, निरुपण, कीर्तन, हरदासी परंपरा, वाङ्मयाला धर्म- पंथ आणि राजाश्रय.	१५	१
विभाग ४ Module 4	वाङ्मयीन संस्कृतीचे घटक (आधुनिक) मुद्रणयुग, नियतकालिके, वृत्तपत्रे, पुस्तके, लेखक, प्रकाशक, वाचक, वितरण, समीक्षा, अभिरुची, वाङ्मयीन संस्था, महामंडळे, संमेलने, पुरस्कार, शाळा- महाविद्यालये-विद्यापीठे, इ. माध्यमे	१५	१

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एम.ए.भाग २ / Class M.A.II

अभ्यासक्रम / Syllabus

Board of Studies in MARATHI

Choice Based Credit System

June 2018 onwards

सत्र तीन / SEM.III

अभ्यासपत्रिका क्र. ११

समीक्षा सिद्धांत आणि उपयोजन

(Samiksha Sidhant Ani Upayojan)



उद्दिष्टे :

- १) उपयोजित समीक्षेतील काही समीक्षेचे स्वरूप माहिती करून घेणे.
- २) समाजशास्त्रीय व आदिबंधात्मक समीक्षा या समीक्षाप्रवाहांचा विचार करणे.
- ३) प्रत्यक्ष उपयोजित समीक्षेचे उपयोजन म्हणून निवडक साहित्यकृतींचा विचार करणे.

विभाग Module	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	उपयोजित समीक्षेचे स्वरूप ■ साहित्यसमीक्षेचे स्वरूप-आधुनिकता आणि समीक्षाप्रवाह ■ उपयोजित समीक्षेचे प्रकार-मानसशास्त्रीय, आदिबंधात्मक समाजशास्त्रीय मार्क्सवादी, रुपवादी, संहितालक्षी	१५	१
विभाग २ Module 2	समाजशास्त्रीय समीक्षा ■ समाजशास्त्रीय समीक्षा-एकोणिसावे शतक, हिप्पोलिन तेनची त्रिसूत्रे ■ मराठीतील समाजशास्त्रीय समीक्षा स्वरूप ■ उपयोजित साहित्यकृती-धूळमाती (कादंबरी)-कृष्णात खोत	१५	१
विभाग ३ Module 3	आदिबंधात्मक समीक्षा ■ आदिबंधात्मक समीक्षा-मानसशास्त्र आणि आदिबंध-सिमंड फ्रॉइड, सी.जे. युंग ■ मराठीतील आदिबंधात्मक समीक्षा ■ उपयोजित साहित्यकृती-मातीचे पाय (काव्यसंग्रह) रमेश इंगळे	१५	१

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Shivaji University, Kolhapur

एम.ए.भाग २ / Class M.A.II

अभ्यासक्रम / Syllabus

Board of Studies in MARATHI

Choice Based Credit System

June 2018 onwards

सत्र तीन / SEM.III

अभ्यासपत्रिका क्र. १२.३

बोलीअभ्यास

(Boli Abhyas)



उद्दिष्टे :

१. भाषा, बोली आणि समाजाचा परस्परसंबंध अभ्यासणे.
२. प्रमाणभाषा आणि बोली स्वरूप, विशेष समजून घेणे.
३. बोलीभाषांची निर्मितीप्रक्रिया अभ्यासणे.
४. बोलीच्या अभ्यासाचे महत्त्व समजून घेणे.

अ. क्र. Sr.No.	घटक Topic	अध्यापन तासिका Teaching Hours	श्रेयांक Credit
विभाग १ Module 1	भाषा, बोली आणि समाज भाषा व बोली यांचे समाजातील स्थान, समाजाशी सहसंबंध, बोलीची समाजविशिष्टता, भाषा व बोलीचे कार्य	१५	१
विभाग २ Module 2	बोली : स्वरूप, वैशिष्ट्ये प्रमाणभाषा व बोली, बोली म्हणजे काय? बोली आणि प्रमाणभाषेतील फरक, कार्यक्षेत्रे, बोलीभाषांची क्षेत्रविशिष्टता, बोलीभाषेची विविध वैशिष्ट्ये	१५	१
विभाग ३ Module 3	बोलीभाषांची निर्मिती बोलीभाषांची निर्मितीप्रक्रिया, बोलीभाषांमधील परिवर्तनाची प्रक्रिया, सीमा, इतर भाषा-बोलीचा प्रभाव	१५	१
विभाग ४ Module 4	बोली अभ्यासाचे महत्त्व बोलीचे समाजातील बदलते स्थान, बोलीवरील संकटे, बोली अभ्यासाची आवश्यकता	१५	१



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DEPARTMENT OF HINDI
Cross Cutting Issues

Course	Chapeter/ Units As examples	Issues
हिंदी	बेजगह बालिका का परिचय माँ जब खाना परोसती थी स्त्री मुक्ति की मशाल जीती बाजी की हार दोहरा अभिशाप कितने प्रश्न करूँ अंतिम साक्ष्य सैरंधी आना इस देश	Gender
	पहाड घरती और घान बसंत आ गया कसानों के घर से घर की तलाश तुलसीदास	Environment and Sustainability
	भिक्षुक महात्मा गांधी बाजार संस्कार और भावना तेरी खोपड़ी के अंदर सूरदास अजीब सी मुश्किल जीवन और शिक्षण	Human Values


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अनुवाद पत्रकारिता साक्षात्कार लेखन शिरोर्ताज लेखन काव्य के तत्व नया बैंक पत्राचार जनसंचार माध्यम विज्ञापन युग महाकाव्य पारिभाषिक शब्दावली भाषा की उत्पत्ति सिद्धांत	Professional Ethics


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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 - 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: वैश्विककरण: 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 – 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 – II	Domestic Violence A) Meaning of Domestic Violence B) Dowry : Causes and Remedies C) Divorce : Causes and Remedies	15	1



Module – III	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
	Womens' Harassment at workplace A) Nature of Womens' Harassment B) Types of Womens' Harassment C) Remedies and Vishakha Guidelines Acts, 2013		

References:

1. Kimmel, Michael S. The Gendered Society. New York: Oxford University Press, 2011. Chapter 13. Gender of Violence, Pp. 381-407
2. Wies, Jennifer R. Anthropology at the Front Lines of Gender-Based Violence. Nashville, Tenn.: Vanderbilt Univ. Press, 2011. Chapter 1. Ethnographic Notes from the Frontlines of Gender Based Violence, Pp. 1-18
3. 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.
4. Indayam, Aloysius, Jayshree P Mangubhai, and Joel G Lee. Dalit Women Speak Out. Chapters. 1, 3, 4, 13 and 14.
5. Karlekar, Malavika. Domestic Violence, Economic and Political Weekly, Vol. 33, No. 27 (Jul. 4-10, 1998), pp. 1741-1751
6. Agnes, Flavia, 'My Story, Our Story: Building Broken Lives' Mumbai: Mapin, 1984.
7. Chowdhry, Prem. Enforcing Cultural Codes: Gender and Violence in Northern India, Economic and Political Weekly, Vol. 32, No. 19 (May 10-16, 1997), pp.



IDS Paper 1-Social Reforms in India

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.

Course Outcome:

After completion of the course, the student will be able to ...

1. Understand the salient features of prominent socio-religious reform movements
2. Explain the thought and work of Mahatma Phule for radical transformation of Indian society
3. Know the measures taken by Rajashri Shahu Maharaj for emancipation of lower classes and women
4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India
5. 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 Brahma Samaj
- b) Swami Dayanand Saraswati and Arya Samaj
- c) Swami Vivekanand and Ramakrishna Mission

MODULE-2 Mahatma Phule

- a) Educational and Social Work
- 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
- b) Women's Rights
- c) Hostel Movement

MODULE-4 Dr. Babasaheb Ambedkar

- a) Thoughts on Annihilation of Caste
- b) Malad Incident and the Temple entry movement
- c) Social Justice and Indian Constitution

Suggestive Readings:

- Kenneth W. Jones, Socio-religious reform movements in British India, Cambridge University Press, 1994
- David Kopf, The Brahma Samaj and the Shaping of the Modern Indian Mind, Princeton, 1979
- Amiya P. Sen, Social and Religious Reform, Oxford University Press, 2005
- J.T.F. Jordans, Dayananda Saraswati, Oxford University Press, Delhi, 1997
- Kopf, The Brahma Samaj and Shaping of the Modern India, Princeton University press, 1979.
- Rosalind O Hanlon, Caste Conflict and Ideology: Mahatma Jotirao Phule and low caste protest in nineteenth century western India, South Asia Publication CUP, 1985



IDS Paper 2-Social Reforms in Maharashtra

Fundamental changes took place in the society of Maharashtra during the 19th and 20th 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.

Course outcome:

After studying the course, the student will be able to...

- 1) Know about the beginnings of social reforms in Maharashtra by the Paramhansa Mandali and Prarthana Samaj.
- 2) Understand the contribution of women reformers
- 3) Explain the contribution of social reformers in the fight for social justice
- 4) Explain the role played by educational reforms in transformation of society.

MODULE-1 Beginnings of Social Reform

- a) Social condition in early 19th century
- b) Paramhansa Mandali
- c) Prarthana Samaj

MODULE -2 Women Reformers

- a) Savitribai Phule
- b) Tarabai Shinde
- c) Pandita Ramabai

MODULE -3 Social Reformers

- a) Lahuji Salve
- b) Maharshi Vitthal Ramji Shinde
- c) Gadage Maharaj
- d) Annabhau Sathe

MODULE -4 Educational Reforms

- a) Karmaveer Bhaurao Patil
- b) Dr. Bapuji Salunkhe
- c) Punjabrao Deshmukh



**Bharati Vidyapeeth's
Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalay, Kadegaon
Tal.- Kadegaon, Dist. Sangli (MS)**

Department of Sociology
Details of the Crosscutting Issues Reflecting through Curriculum.

Sr. No.	Name of the programme	Name of the Crosscutting issue	Relevant Syllabus	Page No.
1	B. A. Part II	Gender	C.B.C.S. - June 2019	
	B. A. Part II		N. E. P. - C.B.C.S. June 2023	
2	B. A. Part I	Human Values	C.B.C.S. - June 2018	
	B. A. Part II		C.B.C.S. - June 2019	
	B. A. Part II		N. E. P. - C.B.C.S. June 2023	
3	B. A. Part I	Professional Ethics	C.B.C.S. - June 2018	
	B. A. Part II		C.B.C.S. - June 2019	
	B. A. Part II		N. E. P. - C.B.C.S. June 2023	


Dr. Dayavati Padalkar

Incharge Department
Dept. of Sociology
B.V's MBSK Kanya Mahavidyalaya
Kadegaon, Dist. Sangli.




Prof. Dr. V. Y. Kadam

I/c Principal
B.V.M.B.S.K. Kanya Mahavidyalaya,
Kadegaon, Dist. Sangli

Bharati Vidyapeeth's

Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya Kadegaon.

Department of Commerce

Cross Cutting Issues in Syllabus

Sr.No	Subject	Class	Issues
1	Management Functions and Application- Planning and Decision Making, Organizing, Communication.	B.Com I	Professional Ethics
2	Principle of Marketing- Consumer Behavior, Rural Marketing, Online Marketing, Green Marketing, Product, Marketing Mix.	B.Com I	Professional Ethics
3	Insurance- Introduction to Insurance, Life Insurance Policy, Life Insurance Business in India.	B.Com I	Professional Ethics
4	Financial Accounting- Amalgamation of Partnership Firm, Consignment Accounting, Accounts of Professionals.	B.Com I	Professional Ethics
5	Fundamentals of Entrepreneurship- Women Entrepreneurship and Successful Entrepreneurs.	B.Com II	Gender
6	Modern Management Practice- Stress Management.	B.Com III	Environmental Issues
7	Advanced Accountancy-I- Farm Accounting and Insurance Claim.	B.Com III	Environmental Issues
8	Advanced Accountancy-III- Bank Final Accounts, Hire Purchase System, Cash Flow Statement, Financial Statement Analysis and GST Accounting with practical using Tally.	B.Com III	Professional Ethics

Alhina

Head of Department

HEAD

Dept. of Commerce
Bharati Vidyapeeth's
M.B.S.K.Kanya Mahavidyalaya,
Kadegaon, Dist. Sangli



M. Madal
Hc. Principal

M.B.S.K. Kanya Mahavidyalaya,
Kadegaon, Dist. Sangli

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)

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23
B.Com-I (Semester-I)



GEC-AAA: 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.

60 hours Course	Course Content	Credits: 04 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: Nature, Scope and importance of marketing; Evolution of marketing concepts; marketing environment	(15 hours)
Unit-II:	A. Consumer Behaviour: B. Market Selection 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	(15 hours)
Unit-III:	Rural marketing: Growing importance; Distinguishing characteristics of rural marketing; Understanding rural consumers and rural markets. Marketing mix planning for rural markets.	(15 hours)
Unit-IV:	Recent developments in marketing: Social Marketing, Online marketing , green marketing , Marketing Information System-concept and components- Marketing Research and its process	(15 hours)

List of Reference Books:

1. Kotler Philip, Gary Armstrong, Prafulla Agnihotri and Ahsan Ullhaque: Principles of Marketing, 13th edition, Pearson Education.
2. Michael, J. Etzel, Bruce J. Walker, William J Stanton and Ajay Parit: Marketing Concept sand Cases (Special Indian Edition)
3. McCarthy, J. 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. Ferrell Marketing: Planning, Implementation & Control, Cengage Learning.
6. Majaro, Simon The Essence of Marketing Perentice Hall, New Delhi
7. Zakmund William Gand Michael D's Atmco Marketing: Creating and Keeping Customers in an E-Commerce World, Thomson Learning
8. Chhabra, T.N. and S.K. Grover Marketing Management, Fourth Edition DhanpatRas& Company
9. The Consumer Protection Act-1986
10. Iacobucci and Kapoor, Marketing Management: A South Asian Perspective, Engage Learning

Shivaji University Kolhapur

Syllabus in accordance with NEP- 2020
with effect from Academic Year 2022-23

B.Com-I (Semester-I)

GEC-BB1: General Elective Course

Insurance Paper-I



Objectives:

1. The objective of this course is to provide basic knowledge of Principles and practice insurance and life insurance.

Credits: 04

60 hours Course	Course Content	Total 50 Marks
Course Outcomes:	1. To enable the students to know the fundamentals of Insurance. 2. To give exposure to the students about life insurance products, Procedural part and life insurance business in India.	(Marks: 40 for Examination 10 for Internal Assessment)
Unit-I:	Introduction to Insurance:	(15 hours)
	Definition, characteristics and need of insurance, Economic and commercial significance of insurance, Insurance as a social security tool, Types of insurance in brief, Principles of insurance. Insurance contract and wagering contract.	
Unit-II:	Life Insurance:	(15 hours)
	Meaning and Nature of life insurance. Life insurance products, -whole life, endowment, term plans, pension and annuity plans, unit linked Insurance plans.	
Unit-III:	Life Insurance Policy:	(15 hours)
	Meaning, Procedure of taking life insurance policy, policy conditions, settlement of claims.	
Unit-IV:	Life Insurance Business in India:	(15 hours)
	Growth of life insurance business after privatization, Evaluation of performance of LIC of India and private companies, Insurance Regulatory and Development Authority Act, 1999- structure, Organizational setup and functions.	

40/66

Note-visit to Life Insurance Company& or Guest lecturers may be arranged.

List of Reference books:

1. G.S. Panda-' Principles and Practices of Insurance' Kalyani Publishers, Ludhiana
2. M. Arifkhan' and Practice of Insurance' Educational Book House, Aligarh.
3. M.N. Mishra-'Insurance Principles and Practice' S. Chand & Company Ltd. New Delhi.
4. Kothari & Bahl, Principles and Practice of Insurance' SahityaBhawan, Agra.
5. S. Balachandran, General Insurance, Insurance Institute of India, Mumbai.
6. S. Balachandran, Life Insurance, Insurance Institute of India, Mumbai.
7. Insurance Regulatory Development Authority Act-1999.

Note- Latest edition of text books may be used.

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: Basic Accounting Concepts and Conventions, Accounting Process, Accounting Standards- Need & Procedure, Concept of IFRS	(15 hours)
Unit-II:	Accounting for Amalgamation of Partnership: Amalgamation of Partnership firms	(15 hours)
Unit-III:	Consignment Accounting: Consignment Accounts- Important Terms and Accounting in the books of Consignor and Consignee.	(15 hours)
Unit-IV:	Accounting of Professionals: Accounts of Professionals- preparation of Receipts and Expenditure Account and Balance sheet of Medical Practitioners and Professional Accountants.	(15 hours)

Reference Books:

1. Gupta R. L. and Radhaswamy M - 'Financial Accounting' Sultanchand Sons, New Delhi.
2. Shukla M. C. Grewal T. S. and Gupta S. C. - 'Advanced Accounts' S. Chand and Company, New Delhi.
3. Agarwala A. N. Agarwala K. N. - 'Higher Science of Accountancy' Kitab Mahal Allahabad.
4. Jain and Narang - 'Advanced Accountancy' Kalyani Publications, New Delhi.
5. S. N. Maheswari - 'Advanced Accountancy'
6. Compendium of statement and standard of Accounting. The institute of Chartered Accountants of India.
7. Rajan Chougule, Dhaval Chougule - 'Theory and practice of Computer Accounting' Modern Publication, Kolhapur.

Note- College should make a provision of necessary computers for commerce department to train the students in computer Accounting as prescribed in the syllabus.



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.



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

2024

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 – 1	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 Tally. 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, Sumerl and Maheshwari, Sharad K. (2018). Corporate Accounting, Vikas Publication House, New Delhi.

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

15/77

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: 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.	20 Lectures
Unit- III	Cash Flow Analysis: 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)	15 Lectures
Unit- IV	GST Accounting with practicals using Tally part - II	15 Lectures



Bharati Vidyapeeth's

Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon
Tal-Kadegaon, Dist-Sangli

Department of Zoology

Cross-Cutting Issues

(2017-18 to 2022-23)

(Gender, Environment, Sustainability, Human Values, and
Professional ethics)

<u>Name of Unit/ Chapter</u>	<u>Cross-Cutting Issues</u>	<u>Curriculum reference</u>	<u>Pattern and date of implementation</u>
Ecology a) Abiotic factors- Temperature, Light, Water & Soil b) Biotic factors i) Intraspecific associations ii) Interspecific associations c) Brief idea of species, community, Niche, and Ecosystem d) Food chain, Ecological pyramids, and energy flow with reference to pond and grassland ecosystem	Environment	B.ScPart-I:Subject:Zoology PaperIV- Ecology,Ethology,Evolution,& applied zoology	June, 2013



<p>Insects of Economic Importance:</p> <p>Biology, Control, and damage caused by <i>Helicoverpa armigera</i>, <i>Pyrilla perpusilla</i> and <i>Papilio demoleus</i>, <i>Callosobruchus chinensis</i>, <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i></p>		<p>B.ScPart-II:Subject:Zoology PaperVIII-Dsc.....(Applied Zoology)</p>	<p>June,2019</p>
<p>Insect Vectors</p> <p>1. Mosquito as an insect vector: Mosquito-born diseases with respect to causal organism, life cycle and symptoms a. Malaria b. Dengue c. Chikungunya f. Control Measures of mosquitoes</p> <p>2. Housefly as an important mechanical vector Housefly born diseases with respect to Causal organism, life cycle, symptoms a. Myiasis b. Control Measure of housefly</p> <p>3. Flea as an insect vector Flea born diseases with respect to Causal organism, life cycle and</p>		<p>B.ScPart-I:Subject:Zoology PaperIII-DSC15B(Animal diversity and Insect vector)</p>	<p>June,2022</p>



<p>symptoms a. Plague b. Typhus fever c. Control offleas</p>			
<p>Applied Zoology – Sericulture a) Types of silkworm moth b) Morphology of mulberry silk moth c) Life Cycle d) Rearing of the silk moth e) Economic importance</p> <p>Poultry Farming Principles of poultry breeding Management of breeding stock and broilers Processing and Preservation of eggs</p>	<p>Sustainability</p>	<p>B.ScPart-I:Subject:Zoology PaperIV- Ecology,Ethology,Evolution,& applied zoology</p> <p>B.ScPart-II:Subject:Zoology PaperVIII-Dsc.....(Applied Zoology)</p>	<p>June 2013</p> <p>June 2019</p>
<p>Reproductive Biology Functional anatomy of female reproduction. Functional anatomy of male reproduction Reproductive Health</p>	<p>Gender</p>	<p>B.ScPart-II:Subject:Zoology PaperVII- Dsc.....(Reproductive Biology)</p>	<p>June,2019</p>

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