



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



KOLHAPUR (AUTONOMOUS)

Department of Botany

Syllabus Completion Report

2019-2020

Syllabus completion Report 2019-2020

Department of Botany



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR. (AUTONOMOUS)

Department of Botany

**Syllabus Completion Report
(2019-2020)**

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Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur


PRINCIPAL
Vivekanand College
Kolhapur



VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Prof. Salotbe S. P.

Department : _____

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Sem. I & Sem. II 1. Fungi 2. Lichens 3. Plant Families (04) 4. Ecological Succession 5. Ecological interaction	1. Fungi 2. Lichens 3. Plant families (04) 4. Ecological Succession 5. Ecological interaction.		
B.Sc. II	Botany	1. Organization of Flower 2. Primary and secondary structure of Plant body	1. Organization of Flower 2. Primary and secondary structure of Plant body		



(2)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Sc-II	Plant Protection	1. Introduction of agriculture and study of major crops 2. Study of crops (04) 3. Study of weeds with reference to morphology, Reprod ⁿ , Ecology, Dispersal and management Practical-II	1. Introduction of agriculture and study of major crops. 2. Study of crops (04) Study of weeds with reference to morphology, Reprod ⁿ , ecology, Dispersal and management Practical-II		


(Signature of the Head of Dept.)
Head

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Kolhapur




(Signature of the Teacher)

VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Dr. Abhijeet Rajaram Kasarkar

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc I	Botany	Unit 2 - Algae	Unit 2 - Algae	-	-
BSc II	Botany	Unit 3 - Taxonomic literature.	Unit 3 - Taxonomic literature	-	-
BSc II	Plant Protection	Unit 4 - Methods of Plant Protection-II	Unit 4 - Methods of Plant Protection -II	-	-
	Practical	Study of Crops Study of Weeds	Study of Crops Study of Weeds	- -	- -
BSc III	Botany	Unit 5 - Analytical Techniques in Plant Science	Unit 5 - Analytical Techniques in Plant Science	-	-
	Practical	Study of Family	Study of Family	-	-




(2)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Bsc I	Botany	Unit 1 - Angiosperm Taxonomy	Unit 1 - Angiosperm Taxonomy	-	-
Bsc II	Botany	Unit 4 - seed Dormancy and germination	Unit 4 - seed dormancy and germination	-	-
Bsc II	Plant Protection (Practical)	Unit 3 - Methods of Weed Management Quadrat method, Soil pH, Sucrose percentage Effect of Herbicide	Unit 3 - Methods of Weed Management Quadrat Method Soil pH, Sucrose Percentage Effect of Herbicide	-	-
Bsc III	Botany (Practical)	Unit 1 - Horticulture Environmental Biology Physiology	Unit 1 - Horticulture Environmental Biology Physiology	-	-


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Head

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Kolhapur




(Signature of the Teacher)

Dr. Abhijeet R. Kasar

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STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Dr. Jyoti M. Gosule

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.I	Botany	Protophytes	General characters, Adaptation to land habit, class ⁿ , economic importance.	-	} completed
B.Sc.II	Plant-protection	Methods of plant protection & I	cultural methods, mechanical methods, physical methods, organic pest-fumig	Nil.	
B.Sc.III	Botany	Lipid metabolism	Introduction & class ⁿ of lipids properties of saturated and unsaturated fatty acids.	-	



VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Dr. Jyoti M. Genule

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc-I	Botany	Morphology and modifications in Angiosperms	Morphology and modification of root, stem, leaf	-	} completed
B.Sc-II	Plant - Protection	Study of insect pest	Jowara stem borers, Sugarcane white grub, Gram pod borers, Mango hoppers, Botryal fruit borers, Rose bud borers	Nil	
B.Sc-III	Botany	Recombinant DNA Technology & Horticultrue	Intro ⁿ , principle, Enzymes involved in recombinant DNA Technology	-	



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
			cloning vectors,	-	}
			Plant nursery management, Types of nursery, infrastructure, methods of irrigation and commercial importance.	Nil	
B.Sc.III	Botany	Practical III	All practicals covered	-	

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Vivekananda
Head

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Vivekananda
Kolhapur

STATEMENT OF SYLLABUS COVERED.

Year : 2019 - 2020

Term : I / II

Name of the Teacher : Dr. A.R. Alvikar.

Department : Botany.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.I	Botany.	Section-II Unit - I Pteridophytes.	Introduction General Characters, Classification, Morphology of <u>Selaginella</u> Anatomy of <u>Pteris</u> Heterospory and seed habit in Pteridophytes	Nil	complete
B.Sc.II	Botany	Section II Unit - III Photosynthesis.	Introduction, Ultra- structure of photosynthetic apparatus. Light reaction cyclic photophosphorylation CAM pathway, Significance of photosynthesis.	Nil	



STATEMENT OF SYLLABUS COVERED.

Year : 2019 - 2020

Term : I / IInd

Name of the Teacher : Dr. A. R. Alukar.

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Section - I Unit - I Ecological factors of Plant Communities	1a. Introduction, Ecological factors, Ecotypic & Climatic factors, Ecological adaptations, Soil Pollution, Ecological Succession, Ecological interaction	Nil	} completed.
B.Sc. II	Botany	Practicals.	Practicals.	-	
B.Sc. III	Botany	Section - I, Unit - I Genetic Material.	Introduction Nucleic acids (DNA, RNA)		



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STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Dr. Priya Digambar Patil

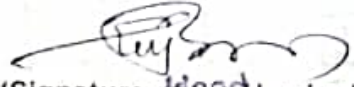
Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.III	Botany	Paper - X Unit 3: Variation in chromosome number and structure	Chromosome, chromosome number, Euploidy & Aneuploidy, chromosome structure Deletion, Duplication, Inversion & Translocation	All syllabus covered	
		Paper - XI Unit 4: Ecosystem	Introduction, Types & components of ecosystem, Dynamics of ecosystem, Food chain, trophic levels	Trophic level not completed	

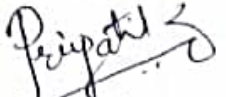


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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.	Plant Protection	Unit II: Plant Pathology Unit 1: Crop Diseases	Intro. & importance of plant pathology, Concept of disease, Terminologies phytoalexins & siderophores. classification based on pathogens, symptoms, severity	All syllabus covered	
		Unit 2: Mechanism of infection	Mechanism of infection in fungi, bacteria & virus. factors affecting infection	All syllabus covered	
B.Sc. II	Botany	Practical II - 2 Batches	All practicals covered	-	


 (Signature of the Head of Dept.)
 Department of Botany
 Vivekanand College
 Kolhapur




 (Signature of the Teacher)
 (Dr. Priya D. Patil)

VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Dr. Lubdha Abhijeet Kagale

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.-II	Botany	Practical - I Practical - II	Practical - I Practical - II		
B.Sc.-II	Plant Protection	1. Crop Diseases 2. Management of crop diseases and Pathophysiological skills Practical - II	1. Crop diseases 2. Management of crop diseases and Pathophysiological skills Practical - II		
B.Sc.-III	Botany	1. Mineral Nutrition and Nitrogen Metabolism 2. Microbiology and Plant Pathology	1. Mineral Nutrition and Nitrogen metabolism 2. Microbiology and Plant Pathology		



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STATEMENT OF SYLLABUS COVERED

Year : 20¹⁹ - 2020.

Term : Ist / IInd

Name of the Teacher : Dr. Sarika Dipak Patil.

Department : Botany.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. III	Botany	Sem V Sect II Unit II 2a unit III 3a, b, c, d, e, f	Unit II 2a unit III 3a, b, c, d, e, f		
		Sem VI Sect I Unit I Heredity	Unit I		
B.Sc. IV	Botany	Sem III Sect III Unit III	Sect III Unit III		
		Sem IV Sect I Unit I - All Practicals syllabus covered	Sect I - Unit - I		



Department of Botany
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Kolhapur

(2)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. II P.P.	Sem I Botany	Sem III Sect II - Unit - III	All allotted syllabus Sect II Unit III		
		Sem IV Sect I - Unit I Unit IV All Practicals are covered.	All allotted syllabus Sect I - Unit I Unit IV	-	-

(Signature of the Head of Dept.)
Head

Department of Botany
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Kolhapur



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VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : 1st / Hnd

Name of the Teacher : Dr. Ketaki P. Patil

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Fungi	All topic	-	
B.Sc. II	Botany	1) Pollination & fertilization 2) family - 4 (family)	All points are covered	-	
B.Sc. II	Botany	Extra-chromosomal inheritances	All points are covered	-	
Practical	B.Sc. II	- Part - I		-	
Practical	B.Sc. III	- Paper - II	(Chaff part)	-	
Practical	B.Sc. I	- Part 21 - Practical		-	



STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Ms. Snehal Sanjay Wadkar

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Re
B.Sc. I	Botany	Paper - DSC 7A	1d: Virus : Discovery	All syllabus covered	—
	Section I	Unit: 1 Microbes	General characters, DNA virus (T phage) & RNA virus (TMV) Economic importance	Nil	Completed
			1b: Bacteria: Discovery, General characters, Cell structure, Types, Modes of Reprod- uction - Asexual, Sexual, Economic importance.		
	Section II	Unit: 4 Gymnosperm	4a. General characters, Classification upto		—

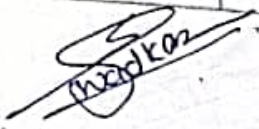


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Sl. No.	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
			Class. General characters of class with suitable examples. Economic importance of gymnosperms	All syllabus covered	-
		Practical	Practical	Nil	} completed
3. sec	Botany	DSC 7 C - Section II Unit 4: Respiration	Introduction, Types of respiration, Glycolysis, formation of Acetyl Co. A TCA cycle, ETS in mitochondria, Significance of respiration	All syllabus covered	
		Practical - I	Practical - I	Nil.	

Signature of the Head of Dept.
Head
Department of Botany
Vivekanand College
Kolhapur




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STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : Ist / IInd

Name of the Teacher : Miss. Snehal Sanjay Wadkar

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Per
Sc. III	Botany Paper V Section-I	Unit 2: Cell Organelles	Glyoxisomes, Peroxisomes & Lysosomes - structure, composition & functions Cell cycle, Apoptosis	All syllabus covered	-
	Paper VI sect - I	Unit 1: Protein Metabolism	Introduction, Properties and characters of amino acids. Protein - structure & classification Protein synthesis		

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A Nil

Complete



STATEMENT OF SYLLABUS COVERED

Year : 2019 - 2020

Term : I / IInd

Name of the Teacher : Miss. Snehal S. Wadkar.

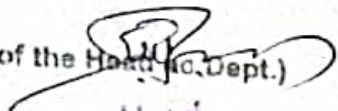
Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Paper DSC 7 B, Section I Unit 2: Ecosystem & Phytogeography	29. Ecosystems, Introduction, composition - Abiotic & Biotic components Types of ecosystems 20. Biogeochemical cycles 2c. Phytogeographical regions of India	All syllabus covered	} Nil Completed
		Practical			
B.Sc. II	Botany	Paper DSC 7 D, Section II Unit 1: Enzymes	1a. Introduction 1b. Chemical nature & properties of enzymes 1c. Classification & Nomenclature of		




Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
			enzyme 1d. Mechanism of enzyme action 1e. factors affecting enzyme activity 1f. Allosteric modification & feedback inhibition. Practical II	All syllabus covered. Nil	}
BSc-III	Botany Paper VIII	section I - Unit 8: Extra Chromosomal Genome Practical - I	3a. Introduction & organization of Genome 3b. Plastid Inheritance 3c. Mitochondrial Inheritance	All syllabus covered Nil	

completed

Signature of the Head (Ac. Dept.)

Head
Department of Botany
Jyotiba Phule Mahavidyalaya
Kolhapur




(Signature of the Teacher)

VIVEKANAND COLLEGE, KOTTIYATUR.
STATEMENT OF SYLLABUS COVERED

Year : 2019 - 20 20

Term : Ist / 1st

Name of the Teacher : Miss. V. H. Goudase

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. II	Botany.	Section-II. Plant water Relationship.	All syllabus covered.	Nil	Completed
B.Sc. III	Botany.	Plant Biochemistry & stress Physiology - Carbohydrates Metabolism	All syllabus covered.		
B.Sc. I	Botany	Lichen. Def ⁿ , Structure, Types & Reproduction, Economic Importance.	All syllabus covered.		



VIVEKANAND COLLEGE, KOLHAPUR.
STATEMENT OF SYLLABUS COVERED

Year : 2019-20 20

Term : I / IInd

Name of the Teacher : Miss U.H. Godase

Department : Botany.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Sc. III	Botany	Horticulture, Forestry Herbal Technology Ornamental plants Herbs shrubs Trees Indoor plants Lawn & Climber	Allotted syllabus completed.	Nil	completed.



[Signature]
Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR
 STATEMENT OF SYLLABUS COVERED

Year: 2019 - 2020

Term: Ist / IInd

Name of the Teacher: Miss. Swati A. Gurav

Department: Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. II	Botany	Plant Families Introduction, Annonaceae, Meliaceae Apocynaceae Lamiaceae Amaranthaceae Orchidaceae	All syllabus covered	Nil	Completed
B.Sc. II	Botany	Practical - II			

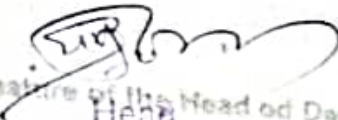


[Signature]
 Head

Department of Botany
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 Kolhapur



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. III	Botany	Importance of Plant systematics - Introduction, - Evidences from Palynology, Cytology Phytochemistry and Molecular data, Herbarium, Important Herbaria and Botanical Garden Practical - II	All syllabus covered.	NP	Completed


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Head
Department of Botany
Vivekanand College
Kolhapur


(Signature of the Teacher)

