

Name of the Subject teacher: Durgule Mayuri Madhukar (2021-2022)



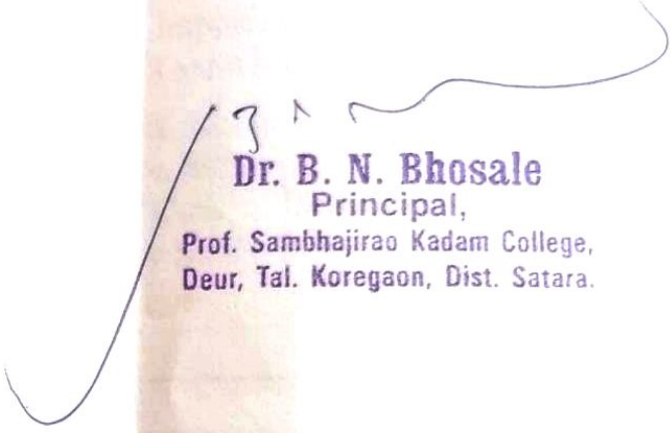
Programme: B.Sc
Title of the Paper: Botany
SEMESTER: 1

Course: CBCS B.Sc
Paper No : II

Month	Module / /Unit	Sub-Modules/Units Planned
Month: October	Admission Process Bridge Course	Admission process
Periods Allotted :		
Month: November	Introductory Session & Module - I (Bryophytes)	Introductory Session – Course Structure, Syllabus and Exam Pattern including PO's and CO's, Scope for Progression (H/V)
Periods Allotted: 8		General characters adaptation to land habit, Classification- Alternation of generation- Economic importance-
		Morphology, anatomy and life cycle- Hepaticopsida- Riccia Bryopsida- Funaria
Month: December	Module - II (Pteridophytes)	General characters- Classification-
Periods Allotted: 6		Morphology, anatomy and life cycle- a. Lycopsida- Selaginella b. Pteropsida- Pteris
		Heterospory and seed habitat
Month: January	Module - III (Gymnosperm)	General character, classification, general character of each class with suitable example, Economic importance of Gymnosperm
		Morphology, anatomy and life cycles:- Gnetopsida- Gnetum

Periods Allotted: 4		Group discussion ,Guest lecture Assignment
Month: February	Module – IV Activities	Presentation, seminar, Field visit- Shivaji University Kolhapur

Winter Break : Internship Programme


Dr. B. N. Bhosale
 Principal,
 Prof. Sambhajirao Kadam College,
 Deur, Tal. Koregaon, Dist. Satara.

Annual Academic Plan (2021 - 2022)



Name of the Subject teacher: Durgule Mayuri Madhukar

Programme: B.Sc

Title of the Paper: Botany

SEMESTER: 2

Course: CBCS B.Sc

Paper No : IV

Month	Module //Unit	Sub-Modules/Units Planned
Month: April	Introductory Session & Module - I (Introduction Taxonomy, ICBN, Botanical Gardens)	Introduction, importance of Taxonomy Functions of Taxonomy Identifications, Nomenclature, Binomial Nomenclature, Salient features of International Code of Botanical Nomenclature (ICBN)
Periods Allotted: 8		Quick test-1
Month : May	Module - II (Angiosperms And System of classification)	Herbarium Introduction, Role and Significance Botanical Garden : Introduction , Role and Significance. Study of Sir J.C.Bose Botanical Garden, culcutta Lead Botanical Garden , Shivaji University, Kolhapur
Periods Allotted: 12		Quick Test -2
Month: June	Module - III (Angiosperms And System of classification)	Salient features of Angiosperms Types of Classification –Natural, Artificial. Phylogenetic Bentham And Hooker's System of classification
Periods Allotted: 11		Quick Test -3
Month: July	Module – IV (Study of angiosperm families)	Study of Angiosperm Families Morphological Floral and distinguishing characters of following families with examples of plants of economic importance. 1 Caesalpiniaceae 2 Solanceae
Periods Allotted: 11		

Month: August	(Study of angiosperm families)	3 Nyctaginaceae 4 Liliaceae
Periods Allotted: 11		Group discussion ,Guest lecture Assignment
Month: September		Exam preparation

Winter Break : Internship Programme

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Annual Academic Plan (2020 - 2021)



Name of the Subject teacher: Choudhari S.B.

Programme: Zoology

Course: B.Sc-1 & 2

Title of the Paper: Animal Diversity-I & Animal Diversity II

Paper No.: 1 & 5

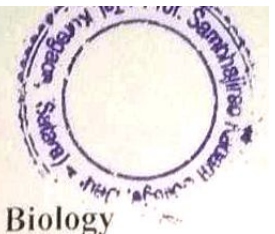
SEMESTER: 1

Month	Module // Unit	Sub-Modules/Units Planned
Month: June	Admission Process Bridge Course	Admission process
Periods Allotted:15		
Month: July	Introductory Session & Module - I Paper I-(Study of non-chordates) Paper V- (Protochordates, Agnatha)	Introductory Session – Course Structure, Syllabus and Exam Pattern including PO's and CO's. Scope for Progression (H/V)
Periods Allotted:20		Kingdom-protista, phylum-porifera, phylum-cnidaria
		General characters and Classification of Protochordata. General characters of Agnatha and Classification of cyclostomes up to classes.
		Quick Test / Unit Test
Month: August	Module - II Paper I-(phylum-platyhelminthes, Aschehelminthes)	General characters, classification, life history, parasitic adaptations of Taenia solium
		General characters, classification, life history, parasitic adaptations of Ascaris

Periods Allotted: 20	Paper V- (Pices,Amphibia)	Quick Test / Unit Test / Mid Term Exam General characters and Classification up to orders: Respiration in Fishes. General features and Classification up to orders: Parental care.
Month: September	Module - III Paper I (Phylum-Arthropoda. Phylum-Annelida.phylum-mollusca.echinoder mata) Paper V-(Reptiles & Aves.Mammals)	General characters.classification.vision in arthropoda. Metamorphosis in insects.tortion in gastropods.water vascular system in Asteroidea General characters and Classification Venomous and non-venomous snakes. Biting mechanism in snakes. General characters and Classification up to orders; Digestive and Respiratory systems. General characters and Classification. Circulatory of mammals.
Periods Allotted:20		Quick Test / Unit Test Group discussion Classroom Seminars / Group Projects
Month: October		Revision of syllabus Complition of journals & practicals Project Work (wherever assigned)
Periods Allotted:15	Module - IV Exam Preparatory Session	Quick Test / Unit Test Remedial Coaching for Slow Learners and Backlog Students Term End University Examination

Winter Break : Internship Programme

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Title of the Paper: Cell Biology & Evolutionary Biology, Reproductive Biology

Paper No.: 3 & 7

SEMESTER: II

Month	Module / /Unit	Sub-Modules/Units Planned
Month: November	Introductory Session	Introductory Session – Course Structure, Syllabus and Exam Pattern including PO's and CO's. Scope for Progression (H/V)
		Introduction to cell biology & evolutionary biology
		Introduction to Genetics
Periods Allotted:15		
Month: December	Module - I Paper III-(Cell structure) Paper VII-(Functional anatomy of female reproduction)	Cell theory & diversity in cell size and shape, structure of nucleus, structure of chromosome, morphology & organization, polytene chromosome
		Introduction, Outline and histological structure of female reproductive system in rat and human.
		Quick Test / Unit Test
Month: January	Module – II Paper III-(Ultrastructure &	Introduction of cell organelles, plasma membrane, mitochondria,
		Endoplasmic reticulum, Golgi complex, Lysosome

Periods Allotted: 20	functions of the following) Paper VII- (Functional anatomy of male reproduction)	Outline and histology of male reproductive system in human Quick Test / Unit Test / Mid Term Exam
Month: February	Module - III Paper III-(History of life) Paper VII- (Reproductive Health)	Major events in history of life.Lamarckism.Darwinism.Neo-Darwinism Types of fossils,Incompleteness of fossil record.Dating of fossils Infertility in male and female: causes, diagnosis and management Quick Test / Unit Test Group discussion Classroom Seminars / Group Projects
Periods Allotted:20		Mass extinction.Role of extinction in evolution
Month: March	Module - IV Paper III- (Extinction) Paper VII- (Reproductive Health)	Assisted Reproductive Technology: sex selection, sperm banks, frozen embryos, in vitro fertilization, ET, EFT, IUT, ZIFT, GIFT, ICSI, PROST; Modern contraceptive technologies. Revision of syllabus Completion of practicals & journals Project Work (wherever assigned) Quick Test / Unit Test
Periods Allotted:15		
Month: April	Exam Preparatory Session	Remedial Coaching for Slow Learners and Backlog Students Term End University Examination
Periods Allotted:15		

Summer Break : Internship Programme

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