

Dr. Ganpatrao Deshmukh Mahavidyalaya Sangola
FACULTY OF SCIENCE
Teaching- Learning- Academic Plan
(Punyashlok Ahilyadevi Holkar Solapur University, Solapur)
Year: - **Dr. Ganpatrao Deshmukh Mahavidyalaya Sangola**

FACULTY OF SCIENCE
Teaching- Learning- Academic Plan
(Punyashlok Ahilyadevi Holkar Solapur University, Solapur)

Year: - 2022-2023

Class: - B.Sc. I

Subject: -Zoology

Title of Paper: - Animal Diversity -I Paper No. I

Semester I

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
June	-	-	-	-	-
July	1 2	Kingdom Protista Phylum Porifera	Lecture Demonstration	3 2	Test of basic knowledge of Zoology
August	2 3	Phylum Porifera Phylum Cnidaria	Lecture Lecture	1 2	
September	3 4	Phylum Cnidaria Phylum Platyhelminthes	Discussion Method Lecture	1 2	Question Answer Unit Test I
October	4 5	Phylum Platyhelminthes Phylum Nematelminthes	Demonstration Lecture	1 4	Question answer Prelim. Exam.

Total Periods: - 16

Periods in the first Term: - 16

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Year: - 2022-2023

Class: - B.Sc. I

Subject: -Zoology

Title of Paper: - Developmental Biology of Vertebrates

Paper No. IV

Semester II

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
December	1	Gametogenesis	Lecture	03	Test of basic knowledge of Zoology
January	2	Fertilization	Lecture	03	
February	3	Early Embryonic Development up to Gastrulation	Discussion Method	05	Question Answer Unit Test I
March	4 5	Placenta in Mammal Development and its Regulation	Demonstration Lecture	04 05	Question answer Prelim. Exam.

Total Periods: - 20

Periods in the first Term: - 20

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Year: - 2022-2023

Class: - B.Sc. II

Subject: -Zoology

Title of Paper: - Cell Biology

Paper No. V

Semester III

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
June	-	-	-	-	-
July	4 5 6	Mitochondria Cytoskeleton Nucleus	Lecture Lecture Demonstration	4 4 4	Test of basic knowledge of Zoology
August	6 7	Nucleus Chromosome	Lecture Lecture	1 3	Question Answer Unit Test I
September	7 8	Chromosome Cell Division	Discussion Method Lecture	1 1	Question Answer Unit Test II
October	8	Cell Division	Demonstration	1	Question answer Prelim. Exam.

Total Periods: - 19

Periods in the first Term: - 19

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Year: - 2022-2023

Class: - B.Sc. II

Subject: -Zoology

Title of Paper: -Fundamentals of Biochemistry

Paper No. VII

Semester IV

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
December	1	Bio-elements	Lecture	04	Test of basic knowledge of Zoology
January	2 3	Carbohydrates Lipids	Lecture Lecture	02 04	Question Answer Unit Test I
February	4 5	Amino Acids Proteins	Demonstration Lecture	03 02	-
March	6	Nucleic Acids	Lecture	04	Question answer Prelim. Exam.

Total Periods: - 19

Periods in the first Term: - 19

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Year: - 2022-2023

Class: - B.Sc. III

Subject: -Zoology

Paper No. IX & XII

Title of Paper: - IX- Molecular Biology & XII- Wild life Conservation & Management

Semester V

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
June	-				
July	IX- 1 IX- 2	Nucleic acids DNA Replication	Lecture Demonstration	4 12	Test of basic knowledge of Zoology
August	IX- 3 IX- 4	Transcription Translation	Lecture Lecture	10 12	Question Answer Unit Test I
September	IX- 5 IX- 6 XII -	Post Transcriptional Modification and Processing of Eukaryotic RNA Gene Regulation Protective Areas	Discussion Method Lecture Lecture	6 10 08	Question Answer Unit Test II
October	IX- 7 IX- 8 XII-	DNA Repair Mechanism Recombinant DNA Technology Wild life protection Acts	Demonstration Lecture Lecture	3 3 05	Question answer Prelim. Exam.

Total Periods: - 73

Periods in the first Term: - 73

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Year: - 2022-2023

Class: - B.Sc. III

Subject: -Zoology

Title of Paper: - XIV- Evolutionary Biology & XVI- Applied Zoology

Paper No. XIV & XVI

Semester - VI

Name of the Assistant Professor: - Dr. Mrs. Khandare S.N.

Month	Paper & Unit	Topic	Method of Teaching	No.of Periods	Method of Evaluation
December	XIV-1	Life Beginnings	Demonstration	07	
January	XIV-2 XIV- 3	Historical Review of Evolutionary Concepts Evidences of Evolution	Lecture Lecture	04 10	Question Answer Unit Test I
February	XIV-4 XIV-5	Sources of Variation Population Genetics	Discussion Method Lecture	08 10	Question Answer Unit Test II
March	XIV-6 XIV-7	Product of Evolution Extinctions	Demonstration Lecture	10 03	Question answer Prelim. Exam.
April	XIV-8 XVI-4 XVI-5	Origin and Evolution of Man Lac Culture Sericulture	Lecture Demonstration Lecture	08 07 08	Question answer Prelim. Exam.

Total Periods: - 75

Periods in the first Term: - 75

