

Shikshan Prasarak Mandal's
Gopal Krishna Gokhale College, Kolhapur
Course Outcomes
Department of Zoology

Class	Semester	Paper Name & Number	Outcomes
B.Sc.I CBCS	Sem.-I	DSC-15A- Animal Diversity I	<ol style="list-style-type: none"> 1. Impart knowledge of biodiversity related to non-chordates from Protista to hemichordata. 2. To make the pupils understand the Characters, classification and phylogenetic relations among various phyla of non-chordates. 3. To make the pupil aware of importance of biodiversity and its conservation.
		DSC-16A Animal Physiology	<ol style="list-style-type: none"> 1. To make the students understand various normal physiological activities in mammalian body. 2. To make the students aware of finely balanced metabolic activities carried out in the body and need for maintaining the homeostasis.
	Sem.-II	DSC 15B: Cell Biology and Evolutionary Biology	<ol style="list-style-type: none"> 1. To impart knowledge of basic structural and functional unit of life and its organization. 2. To impart knowledge the structure and functions of various cell organelles. 3. To impart knowledge organic evolution and various theories of evolution. 4. To impart knowledge evidences of evolution and mass extinctions.
		DSC-16B- Genetics	<ol style="list-style-type: none"> 1. To impart knowledge of basic structural and functional unit of life and its organization. 2. To impart knowledge the structure and functions of various cell organelles. 3. To impart knowledge organic evolution and various theories of evolution. 4. To impart knowledge evidences of evolution and mass extinctions.
B.Sc. II	Sem.-III	DSC Animal Diversity paper No. V	<ol style="list-style-type: none"> 1. Impart knowledge of biodiversity related to chordates from Protochordata to Amphibia. 2. To make the pupils understand the Characters, classification and phylogenetic relations among various phyla and classes of prochordata

CBCS			<p>to amphibian.</p> <ol style="list-style-type: none"> To impart the knowledge of special characters of cephalochordate and amphibian by studying representative like Amphioxus and frog. To make the students understand about the special characters of fish like scales, gills and fins.
		DSC- - BIOCHEMISTRY paper No. VI	<ol style="list-style-type: none"> To impart knowledge of classification and biological significance of carbohydrates, proteins and lipids. To impart knowledge about nucleic acids and enzymes. To make the students aware about the significance of metal ions to Human.
	Sem.-IV	DSC- REPRODUCTIVE BIOLOGY paper No. VII	<ol style="list-style-type: none"> The students will get the knowledge about histological structure of female reproductive system in rat and human The students will get the knowledge about histology of male reproductive system in human Student will be capable of understanding the Infertility in male and female and related treatments
		DSC- APPLIED ZOOLOGY paper No. VIII	<ol style="list-style-type: none"> The students will get knowledge about of role The students will understand Host-parasite Relationship The students will understand the Transmission, Prevention and control of diseases: Tuberculosis, Typhoid The students will understand the Biology, Control and damage of various pests. To impart the knowledge of poultry management
B.Sc. III CBCS	Sem.-V	DSE-E29 - COMPARATIVE ANATOMY OF VERTEBRATES Paper No. –IX	<ol style="list-style-type: none"> Impart knowledge of comparison of integument and Endoskeleton. To make the pupils understand the comparison of Characters in digestive and respiratory systems of various chordates. Impart knowledge of comparison of Circulatory and Nervous system.
		DSE-F29- Molecular Cell Biology and	<ol style="list-style-type: none"> To impart knowledge of cell biology concepts-DNA replication, genetic code, DNA damage and repair etc.

		<p align="center">Animal Biotechnology Paper No. X</p>	<ol style="list-style-type: none"> To impart knowledge of basic structural and functional unit of protein synthesis To impart knowledge the structure and functions of various advanced techniques in biology such as rDNA technology, PCR, Blotting, Cloning, etc. To impart knowledge the science of application of biotechnology. To impart various biotechniques such as separation and animal cell culture
		<p align="center">DSE-F30 Biotechniques and Biostatistics Paper No. XI</p>	<ol style="list-style-type: none"> The students will understand understanding process of Production of cloned and transgenic animals The students will get knowledge about animal Culture Techniques and Applications. The students will understand concept in Biostatistics.
		<p align="center">DSE-F31 (AQUATIC BIOLOGY) Paper No. XII</p>	<ol style="list-style-type: none"> The students will get knowledge the Aquatic Biomes. The students will get knowledge of lake and stream freshwater ecosystem. To make the students to understand the structure and function of endocrine glands in body.
	Sem.-VI	<p align="center">DSE-E30 DEVELOPMENTAL BIOLOGY OF VERTEBRATES Paper No. –XIII</p>	<ol style="list-style-type: none"> To impart knowledge of formation of gametes and events in fertilization. To impart knowledge of basic pattern of the cleavage. To impart knowledge early embryonic development in chick. To impart knowledge the concept of organizer. To impart knowledge of cloning technique and ethical issues.
		<p align="center">DSE-E32 Paper No. XIV (IMMUNOLOGY)</p>	<ol style="list-style-type: none"> The students will get knowledge of basic concept in immunology. The students will get knowledge of Cells and Organs of the immune system. The students will get knowledge of Antigens and antibody.
		<p align="center">DSE-E31 (Applied</p>	<ol style="list-style-type: none"> To make the pupils understand the economic importance of various

		<p align="center">Zoology - II Paper No. XV</p>	<p>marine crustacean and Molluscan.</p> <ol style="list-style-type: none"> 2. To make the students aware about the maintenance of aquarium fishes. 3. To make the students to understand the economic importance of apiculture, poultry, dairy and goat farming. 4. To generate the interest in prawn culture. 5. To impart knowledge of various fishing techniques.
		<p align="center">DSE-F32 (Insect Vectors and Histology) Paper No. XVI</p>	<ol style="list-style-type: none"> 1. Students will able to understand the various types of dipteran insect. 2. Students will able to understand how mosquitoes act as malaria vector. 3. Students will able to understand the Fleas a important insect vectors. 4. Students will able to understand the Histology of mammalian organs.