

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

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

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

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

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