



Maratha Vidya Prasarak Samaj's

Arts, Science and Commerce College, Ozar (MIG)

Course Outcomes

Name of the department: Zoology

Class	Name of the Course: Semester: (Paper): Code:	Name of the Teacher	Outcomes
F.Y.B.Sc	1.Fundamental of Cell Biology : (Term-1 Paper-II), Code: ZY-102 2.Genetics: (Term-2 Paper-II) Code: ZY-102	Dr.R.D.Patil	<ol style="list-style-type: none">1. This course presents the types and functional and structural details of the cell.2. The student understand the concept of cell and their activities.3. This course presents how the genetics information is transferred through generations. By learning, this course student understand the concept of genes and their functions On successful completion of the subject students can able to explain Basic genetics and their role.
	1. Animal Systematics and Diversity: I (Term-1 Paper-I), Code: ZY-101 2. Animal Systematics and Diversity: II (Term-1 Paper-I), Code: ZY-101	Mr.V.D.Dethe	<ol style="list-style-type: none">1. After studying this course, students are able to understand the evolution of animals and their interrelationships. Students can describe the science of taxonomy and its importance. This course is important for gaining fundamental knowledge of zoology also helpful to understand animal diversity.2. Students can able to



			<p>apply zoological principals to conserve biodiversity. Also understands basics lab techniques and fieldwork.</p>
S.Y.B.Sc	<p>1. Animal systematic and Diversity-III SEM-I, Code: ZY-211</p> <p>2. Animal systematic and Diversity-IV SEM-II, Code: ZY-221</p>	Dr.R.D.Patil	<p>This course is important to described General characteristics, classification of invertebrates and vertebrates. Described General characteristics, classification and systematic portion of Minor and major phylum with detailed study of representative animal. Improved knowledge about ecology of some important fishes, amphibians, reptiles, birds and mammal.</p>
	<p>1.Applied Zoology-I SEM-I, Code: ZY-212</p> <p>2. Applied Zoology-I SEM-II, Code: ZY-222</p>	Mr.V.D.Dethe	<p>By learning this course, students can become aware of commercial aspects of zoology. They can gain knowledge about life cycle, habitat and habits of beneficiary animals also acquire the knowledge about various diseases related with useful animals, insects. After getting knowledge of applied zoology, students can start their own business such as apiculture and sericulture and can fetch good amount of money.Students will understand the handling and rearing of animals and can get information about instruments or appliance used in various industries such as Apiary and Silk Industries.</p>
T.Y.B.Sc	<p>Sem: III</p> <p>1.Animal systematics and diversity V. Code: ZY-331</p> <p>2.Environment biology and</p>	S.D.Avhad	<p>This course is important to introduce concept of diversity and relationships in the animal world. Students can understand the diversity of non chordate and chordate, structure and function of the different form of life and their relationship</p> <p>To make students aware about Conservation and sustainable use of biodiversity. To understand major</p>



<p>Toxicology Code: ZY-331.</p>		<p>classes of pesticides and their environmental and human health risks. The course deals with the study of different types of pollution sources and their effects. The course deals with cross cutting issue such as population explosion, waste management etc.</p>
<p>3. Parasitology Code- ZY-335</p>		<p>Parasitology deals study of with parasites and their hosts. Students can able to understand the difference between Cestodes, Nematodes, Trematodes, and Protozoa. Students can get knowledge of various pathogens and their mode of action with reference to their habit and habitat. Course deals with the detail classification of medically important Parasites. It gives detail information about epidemic diseases like Typhoid, cholera, small pox.</p>
<p>4.Cell Biology Code: ZY-336</p>		<p>Students can able to understand basics as well as advanced knowledge of structure and function of cell organelles like nucleus, mitochondria, Golgi complex, ribosomes etc. This course gives knowledge about oncogenes and their mechanism. Also useful to learn basic Techniques of Cytology</p>
<p>Sem- IV 1. Mammalian physiology and Endocrinology Code: ZY-342 2.Organic evolutionCode: ZY-344</p>		<p>Course deals with the functioning of different organ system with reference to mammals.Students can understand the physiology and initial approach to goiter, hyperglycemia, change in menstrual function signs, and symptoms.The Course deals with study of endocrine disorder like dwarfism, diabetes insipidus, gigantism, rickets.</p> <p>Study of Organic evolution help to understand basic concepts of fossils, phylogeny, adaptations in animals.The subject deals with study of various</p>



	<p>3. General Embryology (ZY- 345)</p>		<p>theories of evolution (Lamarckism/Darwinism). Students can understand the fundamental process of evolutionary change, including genetic drift, natural selection and mutation.</p> <p>By learning this course students get aware of developmental stages of animals life using model system such as chicks, also understand molecular basis of embryogenesis. Students can correlate between embryological structure and its clinical significance</p>
	<p>1. Mammalian histology Code:ZY-332, Sem- III</p> <p>2. Genetics and molecular biology Code:ZY-343, Sem-IV</p>	<p>Dr. R.D. Patil</p>	<ol style="list-style-type: none"> 1. This course deals with study of histological study of organs. 2. Students are able to understand basic histological techniques. <ol style="list-style-type: none"> 1. Genetics study involves basic mechanism of gene expression. Students are able to understand hereditary diseases and there mechanism. 2. Molecular biology gives advanced knowledge of molecular processes, techniques. 3. It gives knowledge about protein synthesis , DNA replication , and trasncription.
	<p>1. Biochemistry Code:ZY-333, Sem-III</p> <p>2. Biological Techniques</p>	<p>Mr. V.D. Dethe</p>	<ol style="list-style-type: none"> 1. The study of biochemistry is useful to understand basic laboratory techniques in both biology and chemistry also important to develop scientific reasoning, and students will able to use the biochemical technique in their research carrier also can independently analyses the biochemical data. 2. Student will able to solve research problems regarding biochemistry also can able to design hypothesis, communicate on scientific issue, also capable to handle the various scientific instruments. <p>1. Students will be skilled in the</p>



	Code: ZY-341 Sem-IV		experimental techniques and methods of analysis proper for their area of research.
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