

## DEPARTMENT OF ZOOLOGY

### Programme Outcomes (PO)

PO -01	Acquired the knowledge with facts and figure related to zoology,
PO-02	Understood the basic concept of fundamental principles, and the scientific theory related to various scientific phenomenon and their relevancies in the day today life,
PO-03	Acquired the skill in handling scientific instruments , and planning and performing in laboratory experiment,
PO -04	The skills of observation and drawing logical inference from the scientific experiment,
PO-05	Analized the given scientific data critically and systematically and the ability to draw the objective and conclusion.
PO-06	Being able to think creatively (Divergently and convergent) to propose novel ideas in explaining facts a and the figure or providing new solution to the problem,
PO -07	Realized hoe development in any science subject help in the development in the others science subject and vice versa and how interdisciplinary approach help in providing better solution and new ideas for the sustainable development.
PO-08	Developed scientific outlook not only with respect to science subject but also in all aspects related to life
PO-09	Realised that knowledge of subject in other faculty such as humanities, performing arts , social science etc . can have great and effective influence which inspire in evolving in new scientific theory and invention,
PO -10	Embibed ethical , moral and social values in personal and social life leading to highly cultured and civilzied personality,
PO-11	Developed various communication skill such as reading listening and speaking etc. Which will help in expressing ideas and views clearly and effectively,
PO-11	Realised the persuit of knowledge is a life long activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards the successful life,
PO-12	Developed flair by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith , etc

### **Programme Specific Outcomes (PSO)**

<b>PSO -01</b>	<b>Student get the knowledge of animal science from primitive to highly evolved animal group, that is breeding and management of the live stock animal such as cattle, sheep ,fishery ,lac, apiculture, etc.</b>
<b>PSO-02</b>	<b>It prepare the student for the carrier opportunities in the field of animal breeding, food production of animal, animal agriculture business, animal behavior and welfare.</b>
<b>PSO-03</b>	<b>The curriculum highlights the potential of varlous branches to become an enterpreuner.</b>
<b>PSO -04</b>	<b>With the help of practical the students get equipped with the skills related to the laboratory as well as with the field studies.</b>
<b>PSO-05</b>	<b>With the help of practical the students get equipped with the skills related to the laboratory as well as with the field studies.</b>
<b>PSO-06</b>	<b>Students developed interest and foundation for further studies in zoology.</b>
<b>PSO-07</b>	<b>Students learn about the conversation and sustainable use of blodiversity.</b>
<b>PSO-08</b>	<b>Subject knowledge help the student for taking up the successful carrier in zoology</b>

			<p>the biotic and abiotic components.</p> <p>5.The working in nature to save environment will help development of leadership skills to promote betterment of environment.</p>
		<p><b>Paper-III</b> <b>ZO-113</b> <b>Practical</b></p>	<p>1.student will be able to identify the lower nonchordate animals.</p> <p>2.student will learn how unicellular organism reproduce</p> <p>3.student will learn what are the impurities present in the water and how to estimate them</p>
<b>S.Y.B.Sc.</b>	<b>I</b>	<p><b>Paper-I</b> <b>ZO-231</b> <b>Animal Systematics and Diversity- III</b></p>	<ol style="list-style-type: none"> <li>1. The students will be able to understand, classify and identify the diversity of higher vertebrates.</li> <li>2. The students will be able to understand the complexity of higher vertebrates</li> <li>3. The students will be able to understand different life functions of higher vertebrates.</li> <li>4. The students will be able to understand the linkage among different groups of higher vertebrates.</li> <li>5. The student will become aware regarding his role and responsibility towards nature as a protector, to understand his role as a trustee and conservator of life which he has achieved by learning, observing and understanding life.</li> </ol>
		<p><b>Paper-II</b> <b>ZO-234</b> <b>Applied</b></p>	<ol style="list-style-type: none"> <li>1. The learner understands the basics about beekeeping tools, equipment, and managing</li> </ol>



			zoology-I	<p>beehives.</p> <p>2. The learner understands the basic information about fishery, cultural and harvesting methods of fishes and fish preservation techniques.</p>
			Paper-III ZO-233 Practical	<p>1. Student will get acquainted with the Animal group such as protochordate, Pisces, Amphibia,</p> <p>2. Student will come to know the types of fins, Scales and tail in fish.</p> <p>3. Student will learn about rearing of silk worm</p> <p>4. Student will understand the different types of insect that damages the crop and how to control them.</p>
F.Y.B.Sc.	II		Paper-, ZO-121 Animal Diversity-II	<p>1. The student will be able to understand classify and identify the diversity of animals.</p> <p>2. The student understands the importance of classification of animals and classifies them effectively using the six levels of classification.</p> <p>3. The student knows his role in nature as a protector, preserver and promoter of life which he has achieved by learning, observing and understanding life.</p>
			Paper-II ZO-122 Cell Biology	<p>1. The learner understands and compares between the prokaryotic and eukaryotic system and extrapolates the life to the aspect of development.</p> <p>2. The dynamism of bio membranes indicates the dynamism of life. Its working</p>

			<p>mechanism and precision are responsible for our performance in life.</p> <p>3.The cellular mechanisms and its functioning depends on endo-membranes and structures. They are best studied with microscopy.</p>
		<b>Paper-III</b> <b>ZO-123</b> <b>Practical</b>	<p>1. student will be able to identify the Higher nonchordate animals.</p> <p>2. student get acquainted with the diversity of mouth parts in insect.</p> <p>3. student will come to know how to rear the lac insect a,earthworm honey bees for the production of lac,vermicompost and honey.</p>
S.Y.B.Sc.	II	<b>Paper-I</b> <b>ZO-241</b> <b>Animal Systematics And Diversity-IV</b>	<p>1.The students will be able to understand the linkage among different groups of higher vertebrates.</p> <p>2. The student will become aware regarding his role and responsibility towards nature as a protector, to understand his role as a trustee and conservator of life which he has achieved by learning, observing and understanding life.</p>
		<b>Paper-II</b> <b>ZO-242</b> <b>Applied zoology-II</b>	<p>1. The learner understands the biology, varieties of silk silkworms and the basic techniques production.</p> <p>2. The learner understands the types of agricultural pests, Major insect pests of agricultural importance and Pest control practices.</p>
		<b>Paper-III</b> <b>ZY-243</b> <b>Practical</b>	<p>1.student will learn how to distinguish between poisonous and non-poisonous snake.</p> <p>2.student will learn the diversity of beak and feet in birds</p> <p>3.from the study of morphology and physiology of rat they will understand the human system.</p>

				4. from the study of morphology and physiology of rat they will understand the human system.
				4. study of pisciculture help them to start their own business.

HEAD

IQAC

PRINCIPAL

PRINCIPAL

M.V.P. Samaj's

K.P.G. Arts, Com. and Sci. Coll.

Igatpuri, Dist. Nashik - 422 40\*