DEPARTMENT OF ZOOLOGY
Programme Specific Outcomes (PSO)
B.Sc.-Zoology

After successful completion of 3 years degree programme in Zoology students should be able to :

PSO-1	To foster curiosity in the students for Zoology
PSO-2	To take appropriate steps towards conservation of endemic and endangered animal species
PSO-3	To contributes the knowledge for Nation building.
PSO-4	To understand the applications of Zoology in daily life
PSO-5	To inculcate good laboratory practices in students and to train them about proper handling of lab instruments.
PSO-6	To study relationships among animals with their ecosystems.

Course Outcomes: Department of Zoology

Class and Duration	Course		Course Outcomes
	Semester -I & II		
B.Sc.-I(CBCS) 2022	Paper – I DSC – 15A (ANIMAL DIVERSITY-I & II)	CO-1	To understand the Animal diversity of invertebrates.
		CO-2	To understand the principles of classification of animals.
		CO-3	To understand the terminology, differences and similarities in the various aspects of classification
	Semester-I		
	Paper – II DSC – 15B (CELLBIOLOGYAND EVOLUTIONARY BIOLOGY)	CO-1	To understand the importance of cell as a structural and functional unit of life.
		CO-2	To understands and compares between the prokaryotic and eukaryotic cells.
		CO-3	The dynamism of bio membranes indicates the dynamism of life. Its working mechanism and precision are responsible for our performance in life
		CO-4	To get knowledge about direct observation of fossils and evolutionary important specimen
	Semester-II	CO-1	To understand basic terms in genetics.
	Paper – II DSC – 15B (Genetics)	CO-2	To study the genetic variation through linkage and crossing over, chromosomal aberrations and sex determination.
		CO-3	To understood the theories of classical genetics and blood group inheritance in man .
B.Sc.-II(CBCS) 2023onwards	Paper – V DSC-C (ANIMAL DIVERSITY-II)	CO-1	To get conceptual knowledge of vertebrate diversity.
		CO-2	To understand classification of protochordates and chordates along with studies on various physiological functions.
		CO-3	To understand general taxonomic rules on animal classification
	Paper-VI DSC- C (BIOCHEMISTRY)	CO-1	To understand structure ,types of Nucleic acids

		CO-2	To get knowledge of macromolecule such as carbohydrates, protein and Lipids, and their metabolism
		CO-3	To study enzymes, mechanism of enzyme action and factors affecting the enzyme activity
	Semester-IV		
	Paper-VII DSC- C (REPRODUCTIVE BIOLOGY)		Illustrate the reproductive cycles with hormonal control.
		CO-1	To study the anatomy of reproductive System
		CO-2	To understood the role of contraceptive in population control.
		CO-3	To study modern technique of Breeding.
	Paper-VIII DSC- C (APPLIED ZOOLOGY-I)	CO-1	To gain knowledge about various disease related vectors and their impact on human
		CO-2	To understands processes of fisheries, along with management techniques
		CO-3	To understands concepts of apiculture, poultry, dairy.

Department of Zoology
Programme Specific Outcomes (PSO): B.Sc. (Zoology)

Course Outcomes: Department of Zoology Semester V			
Semester V			
Class and Duration	**Course**	**Course Outcomes**	
B.Sc. III 2020 onwards	Paper- IX DSE-E29 (Comparative Anatomy of Vertebrates)	CO-1	Imparting the comparative knowledge to the students in concern with integuments and endoskeleton among the vertebrates.
		CO 2	Focusing the attention of students on comparative study of excretory and nervous system of various classes of vertebrate.
		CO 3	Comparative study and Imparting knowledge to the students about structure and functions of digestive and respiratory circulatory system, from lower vertebrates to higher vertebrates.
	Paper- X DSE-F29 (Molecular Cell Biology and Animal Biotechnology)	CO-1	Making the students familiar with understanding of the molecular concepts in biology. And biotechniques from biotechnology.
		CO-2	Understanding the basic knowledge of the mechanism of various biotechniques, likes PCR,DNA finger technique
		CO-3	Students are made aware about application of Gene cloning
	Paper- XI DSE-F30 (Biotechniques and Biostatistics)	CO-1	Students should be able to understanding the concept of correlation and correlation coefficient.
		CO-2	Students should be able to interpreting correlation coefficient and its use in regression analysis
		CO-3	The Students will be able to collect, organize and analyze data using Biostatistics methods and parametric and non -parametric tests. They will also be able to set up a hypothesis and verify the same using limits of significance.

		CO-4	Students should be able to applying correlation and regression theory in various fields
	Paper- XII DSE-F31 (Aquatic Biology)	CO-1	Students will know better the concept of interdependence and interaction of physical, chemical and biological factors in the environment and will know better understanding about implications of loss of fauna specifically on human being, need for conservation of all flora and fauna.
		CO-2	Students would be able to know detailed study of different types of animal behavior and their role in adaptation.
		CO-3	Students would be made aware to protect and manage biodiversity in a sensible and sustainable manner.
Semester VI			
Class and Duration	**Course**	**Course Outcomes**	
	Paper- XIII DSE-E30 (Developmental Biology of Vertebrates)	CO-1	Learners will be able to understand the processes involved in embryonic development and its application.
		CO-2	Imparting detailed knowledge about the detailed development of chick up to 72 hrs.
		CO-3	Students should know the detailed knowledge of development in vertebrates.
	Paper- XIV DSE-E32 (Immunology)	CO-1	Students should get well knowledge of the types of immunity and the components of immune system.
		CO-2	Learners would understand immune related pathologies.
		CO-3	Students should know the basic understanding of immunology of organ transplantation and cancer treatment.
	Paper- XV DSE-E31 (Applied Zoology - II)	CO-1	To make awareness among the students about fisheries industry and economic importance of fishes and orienting the students towards fishery industry.
		CO-2	Generating the interest for subject among the students to orient towards business of pearl culture.
		CO-3	Enlighten the students to orient them in applied Zoology industry like apiculture
		CO-4	Imparting knowledge of students regarding the insect pest of crops and house hold pests, stored grain pests and their biological control.
	Paper- XVI DSE-F32 (Insect Vectors and Histology)	CO-1	Learners would appreciate the well planned organization of tissues and cells in the organ systems
		CO-2	Making the students familiar with insect vectors like Mosquitoes, Sandfly and houseflies.
		CO-3	To make the Students aware about diseases spread by mosquitoes to avoid these diseases like Malaria, Dengue, Chikungunia, Viral encephalitis and filariasis. Plague, Typhus fever which have been spread by flea.