

DEPARTMENT OF ZOOLOGY

POs/COs/PSOs

Program Specific Outcomes

Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, Biochemistry, Microbiology, Biotechnology, ecology and applied Zoology.

Program Outcome

After completing and graduating with a degree in Zoology, the students have a wide scope in different fields. Apart from pursuing for higher studies (master in the subject with specialization in different branches in Zoology), the students can also opt from a variety of related branches of science: Related paramedical fields such as health sciences, Agricultural sciences and Master in Forestry, Master in Food technology and Processing, Wildlife officers, Marine Biologist, Professional field such as Poultry, Sericulture, apiculture, Pisciculture, dairy etc.

Course Outcome

BSc 1st Year

PAPER - I
(paper code - 0813)
(Cell Biology &
Invertebrates)

Able to identify the type, structure and function of Cell and cell organelles
Able to classify non-chordates at least up to order
Able to understand the life cycle of representative animals of invertebrates

PAPER - II
(paper code - 0814)
(Vertebrates &
Embryology)

Able to classify chordates
Knowing the origin of chordates
Able to understand various kinds of structural and functional adaption, parenting and developmental biology of vertebrates

BSc 2nd Year

PAPER - I
(Paper Code - 0863)
(Anatomy & Physiology)

Understanding of Comparative Anatomy of various organ systems of vertebrates.

Understanding of various physiology aspects of organ system-circulation system, nervous system, digestive system, reproductive system etc. in vertebrates

PAPER - II
(Paper Code - 0864)
(Vertebrate
Endocrinology,
Reproductive Biology
Behaviour,
Evolution & Applied
Zoology)

Understanding of endocrine system, synthesis, regulation and function of hormones.

Understanding types of hormone receptors and hormone mediated cell signaling.

Understanding reproductive cycle, pregnancy, parturition, gametogenesis and extra-embryonic membrane in mammals

Understanding of animal behavior

Understanding the various theories of evolution and evidences

Understanding of the life cycle of commercially reared animals-apiculture, sericulture, Aquaculture, Pisciculture, Poultry keeping.

Knowing the basic of biological and chemical pest control

BSc 3rd Year

Paper-I
(Paper Code-0917)
(Ecology, Environmental-
biology; Toxicology ;
Microbiology & Medical
Zoology)

Recognizing the major ecosystems, communities, population, biogeochemical cycles, ecological succession and pollution.

Understanding limiting factors, food chain, energy flow, conservation of natural resources & Environmental impact Assessment.

Ability to classify toxicants, principle, toxicology, types of toxic agents, animal poison and food poisoning.

Ability to understand basics of microbiology and its application in industries and domestic water treatment.

Understanding pathogenic micro-organisms, diseases, symptoms and treatment and vectors.

PAPER-II
(Paper Code-0918)
(Genetic's, Cell
Physiology, Biochemistry,
Biotechnology &
Biotechniques)

Ability to understand the basics of genetics and human genomics

Have general idea of cell physiology-pH, cellular transportation and hydrolytic enzymes

Understanding the types, synthesis, regulation and catabolism of protein, lipid and carbohydrates.

Understanding the basics of biotechnology, DNA Recombination and its application & method and tools of gene cloning.