Department Of Zoology

COURSE OUTCOMES

Semester – I - Theory

Animal Diversity Invertebrates --BS105

- Describe general taxonomic rules on animal classification
- Classify Protista up to phylum using examples from parasitic adaptation
- Classify Phylum Porifera to Echinodermata with taxonomic keys
- Describe pearl formation in Mollusca

Semester – II - Theory

Animal Diversity Vertebrates - BS 205

- Imparts conceptual knowledge of vertebrates, their adaptations and associations in relation to their environment
- Classify phylum Protochordates to Mammalia
- Complex Vertebrate interactions.
- Basic concepts of anatomy, function and evolution of vertebrates

Semester – III - Theory

Animal Physiology & Animal Behaviour - BS 305

- Seeks to understand the mechanisms that work to keep the human body alive and functioning.
- Physiological and biochemical understanding through scientific enquiry into the nature of mechanical, physical, and biochemical functions of humans, their organs, and the cells of which they are composed.
- Interactions and interdependence of physiological and biochemical processes
- Understand Animal behaviour and response of animals to different instincts and their adaptations

Semester – IV - Theory

Cell Biology, Genetics and Developmental Biology - BS 405

- Structural and functional aspects of basic unit of life i.e. cell concepts Mendelian and non mendielian inheritance.
- Concept behind genetic disorder, gene mutations- various causes associated with inborn errors of metabolism.
- Basic concepts of developmental biology.

Semester – V - Theory

Immunology and Animal Biotechnology DSE -1

- Imparts in depth knowledge of tissues, cells and molecules involved in host defence mechanisms.
- Use in recombinant DNA technology, genetic manipulations and in a variety of industrial processes. Interactions of antigens, antibodies, complements and other immune components.
- Understanding of immune mechanisms in disease control, vaccination, process of immune interactions.

Semester – VI - Theory

Ecology Zoogeography and Evolution P VI (Theory) DSE – II

- To understand the ecological concepts, structure and dynamics of community.
- Acquire knowledge about biodiversity, hotspots in India and its conservation.
- Gain knowledge regarding the distribution of animals on earth in different regions the evolutionary history and relationship of the animals.
- To understand the origin of life, evolutionary theories, natural selection & speciation causes and roles of extinction in evolution.