

## **COURSE OUTCOMES OF ZOOLOGY**

### **I-YEAR SEMESTER- I**

**TITLE: ANIMAL DIVERSITY-INVERTEBRATES CODE: BS105:  
CT: DSC 2A**

**On completion of the courses students will be able**

CO1- To classify Phylum Porifera with taxonomic Keys

CO2- To describe the Phylum Coelenterata and its Polymorphism

CO3- To identify the given Mollusca with respect to economic importance

CO4- To describe general characters of Nematelminthes and their parasitic Adaptation

CO5- To explain classification of protozoa and diseases caused by them

CO6- To explain general characters of Arthropoda and metamorphosis in insects.

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### **I -YEAR SEMESTER- II**

**TITLE: ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOR  
CODE: BS205**

**On completion of the courses students will be able:**

CO1-To Describe Environmental Pollution and its control measures

CO2- To understand methods of wildlife and conservation and endangered species

CO3-To describe Innate and Acquired types of behavior

CO4- To identify Zoogeographical regions with their climatic and faunal peculiarities

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### **II- YEAR SEMESTER-III**

**TITLE: ANIMAL DIVERSITY-VERTEBRATES AND  
DEVELOPMENTAL BIOLOGY CODE: BS305**

**On completion of the courses students will be able:**

CO1-To identify the characters of Amphibia and its parental care

- CO2-To describe the Phylum Mammalia and its aquatic adaptations
- CO3-To identify the poisonous and non poisonous snakes
- CO4-To write down classification of Aves and Flight adaptation in birds
- CO5-To identify the formation of foetal membranes in chick embryo and their function.

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## **II- YEAR SEMESTER- IV**

**TITLE: CELL BIOLOGY, GENETICS & EVOLUTION      CODE: BS405**

**On completion of the courses students will be able:**

- CO1-Describe cell cycles and its regulation
- CO2-Write down molecular biology techniques
- CO3-Explain causes and role of extinction in evolution
- CO4-To identify chromosomal mutations and in borne errors of metabolism
- CO5-To describe differences between prokaryotic and Eukaryotic cells.

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## **III-YEAR PAPER-III [ANNUAL]**

**TITLE: PHYSIOLOGY, GENETICS AND ORGANIC EVOLUTION**

**On completion of the courses students will be able:**

- CO1-To describe the types of Digestion
- CO2-To explain the process of carbohydrates, protein, lipid digestion
- CO3-To describe the structure of mammalian lungs
- CO4-To describe the mammalian heart and its functioning
- CO5-How are the animals classified on the basis of excretion of nitrogenous waste products
- CO6-To describe Sliding Filament theory of muscle contraction.

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## **III-YEAR PAPER-IV [ANNUAL]**

**TITLE: APPLIED ZOOLOGY-FISHERIES, AQUA CULTURE,  
HAEMATOLOGY, IMMUNOLOGY, ANIMAL BIOTECHNOLOGY**

**On completion of the courses students will be able:**

CO1-To describe fresh water, marine and estuarine fisheries

CO2- To explain Hatchery design and management

CO3-To describe the techniques in Induced breeding

CO4-To describe the structure and functioning of Blood

CO5-To give the Importance of Biopsy and Autopsy

CO6-To explain the scope of Biotechnology

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