

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- Classify Phylum Porifera with taxonomic Keys

CO2- Recognize the ecological role of Phylum Protozoa, Porifera & Helminthes

CO3- Identify the given Mollusca with respect to economic importance

CO4- List characteristics of Arthropoda CO5-

Describe the life cycle of Starfish

CO6- Practice labeling diagrams

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

CO5- Classify the hotspots of India

CO 6-List the national parks and sanctuaries of India

II YEAR

SEMESTER-III

TITLE: ANIMAL DIVERSITY-VERTEBRATES AND DEVELOPMENTAL BIOLOGY

CODE: BS305

On completion of the courses students will be able:

CO1-Give examples of Amphibia and its parental care

CO2-Describe the Phylum Mammalian and its aquatic adaptations

CO3- Differentiate poisonous and non poisonous snakes

CO4- Illustrate Flight adaptation in birds

CO5- Analyze different types of foetal membranes

CO6-To identify the characters of Amphibia and its parental care

II -YEAR

SEMESTER-IV

Cell Biology, Genetics and Evolution

CODE :BS405

On completion of the courses students will be able:

CO1—Describe the differences between Prokaryotic and Eukaryotic cells

CO2- Identify the cell organelles in the cytoplasm of the cell.

CO3- Differentiate between DNA and RNA

CO4-Analyse the function of PCR

CO5-Classify mutations

CO6-Practice labeling of diagrams

III -YEAR

Physiology and Biochemistry

SEMESTER-V

CODE :BS504

On completion of the courses students will be able:

CO1-Classify the types of digestion

CO2- Describe the types of circulation

CO3-Differentiate between the carbohydrates and proteins

CO4-Analyse the function of neuron

CO5- List the respiratory pigments

CO6- Practice the labeling of diagrams

III –YEAR

SEMESTER-VI

Immunology and Animal Biotechnology

CODE :BS604

On completion of the courses students will be able:

CO1-Classify the types of Immunity

CO2- Describe the structure and functions of antibodies

CO3-Differentiate between autoimmunity and immunodeficiency

CO4-Analyse the methods of Transgenesis

CO5-List the applications of stem cells

CO 6-Identify the types of Vaccines

Aquatic Biology

CODE :BS607

On completion of the courses students will be able:

CO1- Classify the types of Aquatic Biology

CO2- Describe the coral reefs

CO3-Analyse the physio-chemical characters of streams

CO4-Identify the pollutants of water

CO5-list the water pollution acts

CO6-Describe sea adaptations.