

DEPARTMENT OF ZOOLOGY

SEMESTER –I

Animal Diversity – Invertebrates

COURSE OUTCOMES

After completion of the course the student is able to:

CO1. Knowledge about the Diversity and Phylogeny of Invertebrate Phyla

CO2. Discuss the Diversity Of Invertebrate and their Economic Significance

CO3. Know about some of the important and common Protozoans and Helminthes of parasitic nature causing diseases in human beings.

CO4. Understood the diversity and classification and functional aspects of different systems of Arthropoda, Mollusca and Echinodermata.

CO5. Identify the resemblance and evolutionary significance of larval forms of Echinoderms

SEMESTER –II

Animal Diversity- Vertebrates

COURSE CODE : 201

COURSE OUTCOMES

After completion of the course the student is able to:

- CO1. Knowledge about the Diversity and Phylogeny of Vertebrates Phyla
- CO2. Understand the Nomenclature and Classification of the Major Vertebrate Phyla
- CO3. Describe the Morphology and Anatomy of various Vertebrates through type Study
- CO4. Understand the Evolutionary importance of Temporal Fossae in Reptiles
- CO5. Knowledge about the significance of various types of Adaptations in different Phyla.

SEMESTER –III

ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR

course code : 301

COURSE OUTCOMES

After completion of the course the student is able to:

CO1. Understand the composition of food and mechanism of digestion absorption and assimilation.

CO2. Describe the mechanism of circulation and composition and functions of blood

CO3. Knowledge of Neuromuscular coordination, Osmoregulation in animals and Endocrine system and their functions

CO4. Understand the process of respiration and excretion and the mechanism of transport of gases

CO5. Analyze various types of Animal Behaviour and their significance in their Learning, Memory, Social Behaviour and Communication

SEMESTER –IV

Cell Biology, Genetics & Developmental Biology

course code: 401

COURSE OUTCOMES

After completion of the course the student is able to:

CO1. Describe the composition of prokaryotic and eukaryotic cells.

CO2. Understand the structure of cells and cell organelles in relation to their functional aspects.

CO3. Understand the Structure and functions of Nucleic acids and their role in Protein Synthesis

CO4. Apply the various concepts of Genetics in Problem Solving .

CO5. Understand the Process of Gametogenesis and its significance in the development of an Organism

SEMESTER –V

ANIMAL PHYSIOLOGY

course code : 501

COURSE OUTCOMES

After completion of the course the student is able to:

CO1. Understand the composition of food and mechanism of digestion absorption and assimilation.

CO2. Describe the mechanism of circulation and composition and functions of blood

CO3. Knowledge of Neuromuscular coordination and the mechanism of Osmoregulation in animals.

CO4. Understand the process of respiration and excretion and the mechanism of transport of gases

CO5. Identify the occurrence of various types of disorders in man in relation to the secretions of Endocrine glands

SEMESTER – VI

AQUATIC BIOLOGY

course code : 602

COURSE OUTCOMES

After completion of the course the student is able to:

CO1.Knowledge about the various types of Aquatic Biomes

CO2.Understood the physicochemical characteristics of different fresh water bodies.

CO3.Learn about the origin, diversity and different ecological aspects of fresh water bodies

CO4.Indepth knowledge regarding the various adaptations of Marine organisms

CO5.Apply the concepts of Aquatic Biology in Management and Conservation of Aquatic resources

SEMESTER – III

Skill Enhancement Course-I Paper – AQUACULTURE

COURSE OUTCOMES

After completion of the course the student is able to:

CO 1 Describe the fisheries and fishery industries.

CO 2 Understand the various types and methods of aquaculture practices.

CO 3 Understand the control and management of diseases of important fishes.

CO 4 Apply the modern techniques and methods of post harvest technology .

CO 5 Attained knowledge about important cultivable fin fishes, shell fishes and importance of value added fishery products

SEMESTER-V

SEC-III

BIO-TECHNIQUES

COURSE OUTCOMES

After completion of the course the student is able to:

CO 1 Learn about the various tools and instrumentation used in a biological laboratory

CO 2 Knowledge about the different laboratory techniques

CO 3 Understand the various concepts involved in the Biotechniques

CO 4 Apply this Knowledge to detect and identify solutions in biological research.

SEMESTER –VI

SEC-IV PERSPECTIVES OF FOOD SAFETY IN INDIA

COURSE OUTCOMES

After completion of the course the student is able to:

CO 1 Understand the various aspects of food safety and quality control

CO 2 Practice Hygiene and Sanitation

CO 3 Knowledge about selection and purchase of food

CO 4 Detect food pathogens, aflatoxin, synthetic color, artificial sweeteners and preservatives by suitable methods and equipment.

SEMESTER – IV

Skill Enhancement Course-II – Vermiculture and Vermicomposting

COURSE OUTCOMES

After completion of the course the student is able to:

CO 1 Knowledge of composting

CO 2 Describe the decomposing process and be able to compost in a limited space .

CO 3 Apply the Knowledge to get self employment,

CO 4 They can also generate employment for others,

CO 5 They will also turn towards organic farming

CO 6 Analyse the ways to maintain the environment pollution free

CO 7 Knowledge of biodiversity of local earthworms.

SEMESTER –V

SERICULTURE

COURSE CODE : 501

COURSE OUTCOMES

After completion of the course the student is able to:

CO1.Knowledge about the Geographical distribution of different economic races of Silk worms

CO2.Describe the Morphology and Anatomyof silk glands and the Composition of Silk

CO3.Understand the culture methods of different varieties of mulberry plants.

CO4.Identify the diseases and pests of B.mori and their control and management

CO5.Apply the various aspects of Silkworm rearing toestablish Sericulture as an Agro industry

SEMESTER- VI
Generic Elective – II, Paper – II
CLINICAL SCIENCE

course code: 601

COURSE OUTCOMES

After completion of the course the student is able to:

CO1.Learn about the Composition, functions and types of Blood groups

CO2.Understand the importance the process of Coagulation.

CO3.Knowledge about the different blood related disorders n human beings.

CO4.Understand the components involved in the immune system.

CO5.Learn about antibodies and antigens and their role in several health disorders.