B.Sc ZOOLOGY COURSE OUTCOMES
Single Major (2023-24)

COURSE 1: INTRODUCTION TO CLASSICAL BIOLOGY

CO-1: Learn the principles of classification and preservation of biodiversity

CO-2: Understand the plant anatomical, physiological and reproductive processes.

CO-3: Knowledge on animal classification, physiology, embryonic development and their economic importance.

CO-4: Outline the cell components, cell processes like cell division, heredity and molecular processes.

CO-5: Comprehend the chemical principles in shaping and driving the macromolecules and life processes.

COURSE 2: INTRODUCTION TO APPLIED BIOLOGY

CO-1: Learn the history, ultrastructure, diversity and importance of microorganisms.

CO-2: Understand the structure and functions of macromolecules.

CO-3: Knowledge on biotechnology principles and its applications in food and medicine.

CO-4: Outline the techniques, tools and their uses in diagnosis and therapy.

CO-5: Demonstrate the bioinformatics and statistical tools in comprehending the complex biological data.

COURSE 3: ANIMAL DIVERSITY-I BIOLOGY OF NON-CHORDATES

CO-1: Describe concept of animal kingdom classification and general characters of Protozoa

CO-2: Classify Porifera and Coelenterata with taxonomic keys

CO-3: Classify Phylum Platy & Nemathelminthes using examples, parasitic adaptation

CO-4: Describe Phylum Annelida & Arthropoda using examples and economic importance of vermicomposting & economic importance of insects.

CO-5: Describe Mollusca, Echinodermata & Hemi chordata with suitable examples in relation to the phylogeny

COURSE 4: CELL & MOLECULAR BIOLOGY

CO-1: Acquainting and skill enhancement in the usage of laboratory microscope

CO-2: Hands-on experience of different phases of cell division by experimentation

CO-3: Develop skills on human karyotyping and identification of chromosomal disorders

CO-4: To apply the basic concept of inheritance for applied research

CO-5: To get familiar with phylogeny ad geological history of origin & evolution of animals

MINOR (2023-24)

Course 1: Non-Vascular Plants (Algae, Fungi, Lichens and Bryophytes)

CO-1. Compile the general characteristics of algae and their significance in nature.

CO-2. Compare and contrast the characteristics of different groups of algae.

CO-3. Summarise the important features of fungi and their economic value.

CO-4. Distinguish the characteristics of different groups of fungi.

CO-5. Elaborate the features and significance of amphibians of plant kingdom

CO-6. Explain the diversity among non-vascular plants.