



GOVERNMENT DEGREE COLLEGE

Accredited with NAAC 'B' Grade

(Affiliated to Adikavi Nannaya University, Rajahmundry)

MANDAPETA -533308 Dr. B.R Ambedkar Konaseema (dist), Andhra Pradesh



B.Sc BOTANY 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: NON-VASCULAR PLANTS (ALGAE, FUNGI, LICHENS AND BRYOPHYTES)

CO-1. To realize the characteristics and diversity of non-vascular plants.

CO-2. *To recognize the ecological and economic value of algae, fungi, lichens and bryophytes.*

CO-3. To inquire the habit, habitat, morphological features and life cycles of selected genera of non-vascular plants.

COURSE 4: ORIGIN OF LIFE AND DIVERSITY OF MICROBES

CO-1. To get awareness on origin and evolution of life.

CO-2. To understand the diversity of microbial organisms.

CO-3. To get awareness on importance of microbes in nature and agriculture.

MINOR (2023-24)

COURSE 1: 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 & Nematelminthes 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