

VISVODAYA GOVT. DEGREE COLLEGE, VENKATAGIRI
SPSR. NELLORE DISTRICT
DEPARTMENT OF BOTANY

SEMESTER – I, PAPER – I : MICROBIAL DIVERSITY, ALGAE AND FUNGI

- CO1:** Special and modern concepts of origin, recent trends in evolution of life.
- CO2:** To know the importance of virus in causing diseases.
- CO3:** To know the importance of bacteria in our daily life.
- CO4:** To identify different types of algae and their uses in daily life.
- CO5:** To identify different types of fungi based on their plant diseases.

SEMESTER – II, PAPER – II : DIVERSITY OF ARCHAEGONIATES AND PLANT ANATOMY

- CO1:** To differentiate bryophytes from thallophytes i.e Algae and Fungi.
- CO2:** to know the first vascular cryptogams i.e. Pteridophytes.
- CO3:** Connecting link between cryptogams and phanerogams.
- CO4:** Attained complete knowledge on tissues and tissue systems of plants.
- CO5:** To gain knowledge on secondary growth consist plants.

SEMESTER – III, PAPER – III : INTRODUCTION TO PLANT TAXONOMY

- CO1:** To know about the morphological varieties of plants.
- CO2:** Gained knowledge on plant identification different classifications, merits and demerits of classification.
- CO3:** Attained knowledge on different families and their economic importance.
- CO4:** Gained knowledge on different families genus/species economic importance of each family.
- CO5:** attained complete knowledge on micro and megasporogenesis, embryo development.

SEMESTER – IV, PAPER – IV : PLANT PHYSIOLOGY AND METABOLISM

- CO1:** To attained knowledge of water relations of plants i.e. osmosis, transpiration and water potential.
- CO2:** Gained knowledge on nutrition and nitrogen metabolism.
- CO3:** To gain complete knowledge on photosynthesis.
- CO4:** To gain knowledge of different metabolisms in plants.
- CO5:** To learn the types growth and different developmental stage.

SEMESTER – V, PAPER – V : CELL BIOLOGY, GENETICS AND PLANT BREEDING

CO1: Complete description of cell organelles DNA – RNA structures.

CO2: Complete description of genetic material.

CO3: attained knowledge the mendals laws, linkage and crossing over.

CO4: To identify the different hybrid plants.

CO5: To gain knowledge on crop improvement and biotechnology.

SEMESTER – V, PAPER – VI : PLANT ECOLOGY AND PHYTOGEOGRAPHY

CO1: To acquire knowledge on ecology and its branches.

CO2: To gain knowledge of in our surroundings.

CO3: To gain knowledge of biodiversity and hotspots of India.

CO4: To acquire knowledge on global distribution of plants.

CO5: To gain knowledge of biodiversity and its importance.