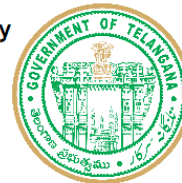


Telangana Tribal Welfare Residential Degree College for Men, Kamareddy

Sarampally X Road, Kamareddy, 503111

Ph: 7901097707



Department of Botany

Course Outcomes

Semester I - Microbial diversity and lower plants

On completion of the course, the student will be able:

CO 1	To know the origin and evolution of life, the student learns formation of earth in the universe and existence of life on earth.
CO 2	To know about microbial diseases regarding to various microorganism in man, animals and plants.
CO 3	To enable the student to understand and gain theory & practical knowledge on the evolution of life, microbial diversity and cryptogam.
CO 4	To apply basic microbiology concepts to solve daily problems related to microbial issues.
CO 5	To study the cultivation and Economic importance on Bio-Fertilizers ,Mushroom Cultivation which help the student to have self-employment opportunity.

Semester II - Gymnosperm and Taxonomy of Angiosperm

On completion of the course, the student will be able:

CO 1	To understand the classification of Gymnosperms based on their structure, reproduction and write down the life history of Pinus and Gnetum.
CO 2	To understand the Geological time scale, process of Fossilization and compare the characteristics of extinct and extant plant.
CO 3	To learn to evaluate the Economic importance of Plants belonging to different families.
CO 4	To critically understand various types of Classifications and taxonomical aids for Identification of Angiosperms.
CO 5	To analyze the morphology of the most common angiospermic plants of their localities and recognize their families.

Semester III - Plant Anatomy and Embryology

On completion of the course, the student will be able:

CO 1	To gain theoretical and practical knowledge on Pollination Mechanism, process of fertilization and Embryo development.
CO 2	To study of composition of the plant body and variations in different plant species.
CO 3	To interpret various aspects of embryology in detail about micros progenies is and megaspore genesis.
CO 4	To illustrate and interpret pollen morphology, seed structure, Endosperm types and Embryo types Understand Polyembryony and Apomixes.
CO 5	To know the isolation and mounting of embryos.

Semester IV – Cell biology, Genetics and Plant physiology

On completion of the course, the student will be able:

CO 1	To explain the organization of cell wall and cell membranes.
CO 2	To distinguish the semiautonomous and other cell organelles.
CO 3	To explain the organization of chromosomes and structure of genetic material and cell division.
CO 4	To evaluate the structure and functions and regulation of genetic material.
CO 5	To comprehend the importance of water in plant life and mechanisms for transport of water and solutes in plants.
CO 6	To be able to evaluate the role of minerals in plants nutrition and their deficiency symptoms.

Semester V - Biodiversity and conservation

On completion of the course, the student will be able:

CO 1	To enable the student to understand and gain theory & practical knowledge on the ecosystem so as to bring awareness on different environment.
CO 2	To understand importance of Ex-situ and In-situ conservation of Biodiversity, Hot spots of India, Threatened and Endangered species.
CO 3	To study their structure, classification, life cycles and economical/ecological importance.
CO 4	To know the awareness about environmental conservation.

Semester VI – Tissue culture and Biotechnology

On completion of the course, the student will be able:

CO 1	To acquire fundamentals of Tissue culture and Biotechnology its applications and hands on experience.
CO 2	To know the importance of Tissue Culture.
CO 3	To know about the various methods of Tissue Culture.
CO 4	To understand and gain theory & practical knowledge on Recombinant –DNA Technology.
CO 5	To know the applications of Biotechnology.