

Department of Botany

Programme outcome

B.Sc. Botany

After awarding Bachelor degree B. Sc. With Botany students will be able to:

PO1- They shall be able to understand and be interested in diversity and conservation.

PO2- They shall be able to view the things in a scientific way.

PO3- They shall be able to perform basic practical related to botany.

PO4- Students shall be able to understand and follow developments in Biotechnology, Genetics and Biochemistry.

PO5- They will be able to know about various plant groups and their economic uses.

PO6- They will be able to explain morphological and Anatomical character of plants.

Programme Specific outcomes

B.Sc. Botany

BSc - III

PSO1- Students shall be able to explain the concepts of biotechnology, genetic, engineering and Tissue culture.

PSO2- They shall be able to understand concepts of Biomolecules, Biochemistry and physiology of plants.

PSO3- They will be able to understand/ use basis laboratory instruments.

BSc – II

PSO1- Students will be able to understand plant taxonomy anatomy and embryology.

PSO2- They will develop interest in economically important plants, their identification and cultivation and be able to apply the knowledge in their life.

BSc – I

PSO1- Students will get knowledge of various groups of microorganisms and non-flowering plants.

PSO2- To develop understanding and appreciation for plant diversity.

PSO3- To learn about economic utility of microorganism and to apply their knowledge for socio-economic benefits.

Course outcome

B.Sc. Botany

B. Sc. I (A)

Bacteria, Viruses, Fungi, Lichens and Algae

CO1- They shall to study the general features, structures, reproduction and economic importance of microbes.

CO2- Students shall be able to understand habit, habitat, cellular composition, nutrition, reproduction of fungi, Algae and their association.

CO3- They shall be able to explain economic importance of these microorganisms.

B. Sc. I (B)

Bryophytes, Pteridophytes, Gymnosperm and Palaeobotany

CO1- To identify the characteristics, affinities, range of thallus organisation, classification and Ecological importance of Bryophytes, Pteridophytes and gymnosperm.

CO2- Students shall be able to understand types and formation of fossils and geological time scale.

B. Sc. II (A)

Plant taxonomy, Economic Botany, Plant anatomy and Embryology

CO1- Students shall be able to understand the important systems of classification of angiosperms.

CO2- They shall be able know about economic Botany and its applications.

CO3- Students shall be able to understand Principles and rules of plant Taxonomy.

CO4- To learn about plant Anatomy and Embryology.

B. Sc. II (B)

Ecology and plant Physiology

CO1- Students shall be able to understand the concepts of Ecology, Ecosystem and interactions between Ecosystem and Organisms.

CO2- They Shall understand photosynthesis, respiration and plant growth hormones.

CO3- Students will learn about plant water relations and mineral nutrition.

B. Sc. III (A)

Analytical Technology, Plant pathology, Elementary Biostatistics, Environmental pollution and conservation

CO 1- To understand and learn about microscopy, chromatography, oven, incubator, etc.

CO2- To learn about plant diseases and control measures and elementary biostatistics

CO3- To understand pollution, biodiversity and conservation strategies

. B. Sc. III (B)

Genetics and Molecular Biology biotechnology and biochemistry

CO1- To understand cell structure and chromosomes.

CO2- Students shall be able to know and explain about DNA, RNA and Recombinant Technology

CO3- To learn about the structure and functions of various biomolecules