

DEPARTMENT OF BOTANY

COURSE OUTCOME

B.SC. BOTANY (HONOURS) - 3 years Degree (6 Semester)

Semester I

General character, reproduction, and economic importance of Viruses, Bacteria, Algae – Cyanophyta, Chlorophyta, Charophyta, Xanthophyta, Phaeophyta, Rodophyta, Biomolecules – Carbohydrates, Proteins, Lipids, Nucleic Acids, Enzymes, Cell Biology, Cell Division,

Semester II

Mycology – Mastigomycotina, Zygomycotina, Ascomycotina, Basidiomycotina, Deuteromycotina, Symbiotic Associations, Phytopathology, Bryophyta, Pteridophyta, Gymnosperms

Semester III

Anatomy of Angiosperms - Root, Stem, Leaf, Cambium, Periderm, Economic Botany - Cereals, Legumes, Spices, Beverages, Oil And Fats, Drugs Yielding Plants, Plant Drug Abuse, Timber Plants, Fibres, Sugar Yielding Plants, Mendelian Genetics & Its Extension, Extrachromosomal Inheritance, Linkage And Crossing Over, Variation In Chromosome Number & Structure, Gene Mutation,

Semester IV

Molecular Biology, Nucleic Acids, Structure of DNA and RNA, Transcription, Translation, Gene Expression, Plant Ecology, Pollution, Systematic Botany

Semester V

Reproductive Biology of Angiosperms, Plant Biotechnology, Plant Breeding, Research Methodology, Stress Biology

Semester VI

Plant Physiology, Plant Water Relationship, Mineral Nutrition, Translocation In The Phloem, Plant Growth Regulators, Physiology Of Flowering, Plant Metabolism, Carbon Assimilation, Carbon Oxidation, Lipids Metabolism, Nitrogen Metabolism, Environmental And Waste Management, Biostatistics, Biofertilizers, Industrial Microbiology