

DEPARTMENT OF BOTANY

PROGRAMME SPECIFIC AND COURSE SPECIFIC OUTCOMES

BOTANY GENERAL

PROGRAMME SPECIFIC OUTCOMES

PSO1. Understanding detailed structure of cell, organelles, molecular biology and approach of molecular techniques.

PSO2. Acquaintance with local and distant flora, biodiversity, hotspot, endemic species.

PSO3. Fossil study, forensic paleobotany has immense importance in criminology.

PSO4. Knowledge of period and strata of different era, epoch, eon through carbon dating & geological time scale.

PSO5. Further one can study forestry and also can join IFS through UPSC.

PSO6. Analysis of pedigree and biostatistics

PSO7. Development of biotechnology, production of GMO and achievement through plant breeding.

COURSE SPECIFIC OUTCOMES

CSO1. With proper diagram describe stellar types and write about its evolution.

CSO2. Write short note on Koch's postulates. Write about the symptoms, causal organism, disease cycle and control measure of plant.

CSO3. Role of polyploidy and biotechnology in crop improvement.

CSO4. Cultivation technique of *Volvorella volvacea*.

CSO5. Write use of plasmid as vectors. Brief idea of Restriction Enzyme.

CSO6. Role of phytochrome and GA in flowering.

CSO7. Differentiate lytic and lysogenic cycle. Write short note on transposon

CSO8. Differentiate oxidative phosphorylation from photophosphorylation. Draw and describe ETS.

CSO9. Write about different types of inflorescence with proper diagram.

CSO10. Write about geological time scale chronologically.