

Programme Specific Outcome-Botany Honours

PSO 1. The syllabus provides thorough knowledge and understanding about the diversity of plant kingdom, their origin and evolution, affinities, interdependence and the relationship with animal community, and their ecological distribution. The students also gain knowledge about the applied disciplines of plant science viz. taxonomy, molecular biology, biochemistry, genetics, plant breeding, biostatistics, etc.

PSO 2. Practical classes will help the learners to know about the laboratory techniques like sectioning, staining techniques, mounting, sterilization techniques, reagent preparation, etc.

PSO 3. Students will also learn about the working principles of laboratory instruments like microscopes, camera lucida, water bath, incubator, hot air oven, pH meter, spectrophotometer etc.

PSO 4. The field visits offer the students to study the floristic composition of the study areas and the community structures of that area in detail. This also helps to analyse the conservation status of the plant species under study.

PSO 5. The syllabus also provides knowledge for collection, processing and preservation of plant specimens for future use with the help of herbarium preparation.

PSO 6. The syllabus also provides scope for understanding the genetic and molecular basis of several inherited diseases, the pattern of their inheritance, process of disease diagnosis and probable measures to be taken.

PSO 7. The syllabus also ensures self-employment by providing the theoretical and practical knowledge about mushroom cultivation, horticultural techniques, plant breeding techniques etc.