

Learning Outcome –Botany

Botany is one of the key members of the life science, the most dynamic branch amongst all the science. Studying botany has a multi dimensional impact over the students. It mainly deals with the study of plant science. Undergraduate syllabus of botany covers many important parts which strengthen the knowledge of the students. Modern botanical studies deal extensively on the molecular, physiological and biochemical aspects of plant life which impart the students a strong foundation in these aspects in addition to the classical botanical knowledge. Like other science botany also deals with many practical aspects which facilitate hand on experience of many experiments. Student will learn how to handle microscope, micrometer, colorimeter, spectrophotometer, pH meter, autoclave, laminar airflow, distillation apparatus etc. With the help of microscope and micrometer students can be able to measure the dimension of a living material which is invisible in the naked eyes. Using autoclave students will know how to sterilize an object. Use of laminar airflow will help the students to maintain an aseptic condition needed for microbiological works. Studying botany not only enriches the knowledge of the student about the diversity of the living organisms but also it builds up a bright future. After completion of the undergraduate course they can join in the post graduation courses of the botany, biotechnology, biochemistry, genetics and environmental science. After successful completion of the master degree they can be involved in the active research or they can choose a teaching profession. After completion of the graduation they can also join in the post graduation programme of forestry which is conducted by Forest Research Institute (FRI), Dehradun. Botany students who will complete their master degree in the subjects like biotechnology, biochemistry, molecularbiology can be absorbed easily in the pharmaceutical companies.