

## **B.Sc. Programme in BOTANY (CBCS)**

### **Programme Specific Outcome:**

A Graduate in Botany will be able to acquire competency in the subject so as to identify major groups of plants and compare their characteristics; understand plant developmental processes and their metabolic activities; understand concepts in plant breeding, molecular biology, genetic engineering and plant tissue culture; understand the ecology of plants and their economic and medicinal value; understand various concepts in microbiology and how to prevent and manage plant diseases; have in-depth knowledge of gardening and floriculture; develop and use bio-fertilizers; gain insights into various aspects of the environment and its conservation; study plants in their natural habitat through field visits; as well as acquire skills to handle scientific instruments, plan and perform laboratory experiments.

The curriculum will thus provide students in-depth subject knowledge of fundamental concepts as well as advanced and emerging areas of Botany and its applied aspects along with necessary skills for critical thinking and acquire problem solving capabilities to integrate with academia and industry and at the same time imbibe ethical and moral values in personal and social life.