

## DEPARTMENT OF BOTANY

### B.Sc. BOTANY: Semester – V

#### **Title of the Course: Plant Morphology and Taxonomy**

- **Course outcome:**

- Understanding the main features in Angiosperm evolution and ability to identify, classify and describe a plant in scientific terms, thereby, Identification of plants using dichotomous keys. Skill development in identification and classification of flowering plants.
- Interpret the rules of ICN in Botanical nomenclature.
- Classify Plants systematically and recognize the importance of Herbarium, Virtual Herbarium and Botanical gardens.
- Recognition of locally available angiosperm families, plants and economically important plants. Appreciation of human activities in conservation of useful plants

### Semester – VI

#### **Title of the Course: Genetics and Plant Breeding**

**Course outcome:**

1. Understanding the basics of genetics, plant breeding and cell biology
2. Ability to identify, calculate and describe crossing over, allelic generations and frequencies of recombination.
3. Interpret the results of mating and pollinations.
4. Recognition of modes of inheritance of traits/phenotypes and Phenotype-genotype correlation.