

## **V Semester/ Botany Core Course – 5(6A)**

### **TITLE: Plant Propagation**

#### **Learning Outcomes:**

Students at the successful completion of the course will be able to:

- Explain various plant propagation structures and their utilization.
- Understand advantages and disadvantages of vegetative, asexual and sexual plant propagation methods.
- Assess the benefits of asexual propagation of certain economically valuable plants using apomictics and adventive polyembryony.
- Demonstrate skills related to vegetative plant propagation techniques such as cuttings, layering, grafting and budding.
- Apply a specific macro-propagation technique for a given plant species.

## **V Semester/ Botany Core Course – 5 (7A)**

### **TITLE: Seed Technology**

#### **Learning outcomes:**

Students at the successful completion of the course will be able to:

- Explain the causes for seed dormancy and methods to break dormancy.
- Understand critical concepts of seed processing and seed storage procedures.
- Acquire skills related to various seed testing methods.
- Identify seed borne pathogens and prescribe methods to control them.

- Understand the legislations on seed production and procedure of seed certification.