

## **Certificate Course on Nursery Management and Propagation**

**Course Code: NMP**

### **Syllabus:**

**Unit-I:** Propagation- Importance and potentialities, Sexual and asexual methods of propagation, Advantages and disadvantages of propagation.

**Unit-II:** Methods of vegetative propagation: Cutting, budding, layering and grafting techniques. Preparation of nursery bed, orchard layout, system of crop planting, pot mixture and making.

**Unit-III:** Problems of horticulture crops, Factors influencing rooting of cutting, layering and grafting.

**Unit- IV:** Use of growth regulators in propagation, media for propagation of plants in nursery beds.

**PRACTICAL:** 1. Preparation of different types of cuttings, budding, layering and grafting.

2. Uprooting, digging, labelling and packing of nursery plant.

### **Books and References:**

1. Dr. Arun kumar Singh and Abhinav kumar (2020). Propagation and nursery management.
2. R.R.Sharma and Manish Srivastav (2004). Plant propagation and nursery management.
3. B.S. Chundawat (2017). Plant propagation and nursery management.