

B. Sc. 3rd SEMESTER

SKILL ENHANCEMENT COURSE (SEC)

SC318S: MULBERRY CULTIVATION TECHNOLOGY

Credits 4 (Theory: 2; Practicals: 2)

Theory (2 Credits)

Unit-1 Establishment of Mulberry Gardens (15 Hours)

- 1.1 Requirements, precautions and technique involved in establishing a new mulberry garden
- 1.2 Preparation of land for mulberry plantation, planting systems- pit, row and paired row systems of planting
- 1.3 Preparation of cuttings and grafting, methods of grafting
- 1.4 Training of mulberry plants-bush, dwarf and tree

Unit-II Maintenance of Mulberry Farms (15 Hours)

- 2.1 Irrigation- frequency and methods of irrigation
- 2.2 Fertilizers- bio-fertilizers and chemical fertilizers
- 2.3 Insect pests of mulberry and their control measures
- 2.4 Diseases of mulberry and their management

PRACTICALS (2 CREDITS) (60 Hours)

1. Studying of various physic-chemical parameters of soil
2. Bed preparation for mulberry plantation
3. Studying of mulberry genotypes-morphology and anatomy
4. Demonstration of different methods of grafting
5. Specimen study of insect pests of mulberry
6. Mulberry diseases-leaf spot and powdery mildew
7. Visit to any mulberry garden