

2.7 31607 BASICS IN HORTICULTURE

UNIT-1 THEORY

- 1.1 Horticulture- Definition, scope and importance, Division and classification of horticultural crops
- 1.2 Horticultural zones in India and Tamil Nadu
- 1.3 Propagation- definition, propagation methods, seed propagation, vegetative propagation, micro propagation
- 1.4 Planting systems- Protected cultivation- irrigation systems
- 1.5 Weed management- nutrient application methods in horticultural crops- crop regulation- physical and chemical regulation
- 1.6 Special practices- training- pruning, ringing, notching, disbudding and pinching
- 1.7 Maturity indices- harvesting methods, pre cooling- packaging- storage of horticultural crops.

UNIT-2 PRACTICAL

- 2.1 Features of an orchard
- 2.2 Tools, implements and machineries used for horticultural operations
- 2.3 Preparation of pot mixture, potting and repotting
- 2.4 Identification of major horticultural crops and their varieties
- 2.5 Planting systems- Commercial propagation methods- cutting, grafting, layering and budding
- 2.6 Preparation and use of growth regulators
- 2.7 Plant propagation structures- training and pruning practices-
- 2.8 Weed management- fertilizer application including fertigation
- 2.9 Pests and disease management.

References Book:

1. Kumar, N. 2011. Introduction to Horticulture, Oxford and IBH Publication, New Delhi