

2.12 31612 FLOWER CROPS PRODUCTION TECHNOLOGY

UNIT-1 THEORY

- 1.1 Scope and importance of commercial flower crops- Study of cultural requirements
- 1.2 Rose, Jasmine, Tuberosa, Chrysanthemum, Marigold, Crossandra, Celosia, Nerium and Gomphrena.
- 1.3 Floral concrete, pigment and dye extraction from loose flowers Introduction to protected structures for cut flower production
- 1.4 Study of cut flower production of Rose, Carnation, Gerbera, Chrysanthemum, Orchids, Anthurium, Gladiolus, Liliun, Alstroemeria, Heliconia and BOP.
- 1.5 Post-harvest management of cut flowers- Floral decorations, bouquets and dry flowers- Grading, packing and marketing of flowers.

UNIT-2 PRACTICAL

- 2.1 Loose flowers- Identification of commercial varieties- propagation and nursery practices
- 2.2 Seed treatment and sowing- planting material preparation: cuttings, layers and bulbs
- 2.3 Practices in field preparation, layout and planting of loose flowers
- 2.4 Practices in manuring, weeding, irrigation etc.
- 2.5 Practices in special operations: training, pruning and pinching, harvesting and postharvest handling- grading, packaging and storage Cut flowers
- 2.6 Identification of commercial varieties- Protected structures- Practices in propagation
- 2.7 Fumigation, growing media and bed preparation
- 2.8 Practices in after cultivation practices (manuring, weeding, irrigation etc.)
- 2.9 Practices in special operations : growth regulator application, netting, pinching, disbudding etc.- harvesting and postharvest handling- grading, packaging and storage of cut flowers Visit to fields of commercial loose flower crops, green house cultivation units and concrete & dye / pigment extraction units
- 2.10 Working out input requirements and cost benefit ratio for loose and cut flowers.

References Books:

1. Aroara, J.S 2010, Introductory Ornamental Horticulture. Kalyoni publishers, New Delhi, India
2. Kumar, N. 2011. Introduction to Horticulture, Oxford and IBH Publication, New Delhi