

Skill Enhancement Course
BOT/ SEC /31106
Floriculture
w.e.f.June 2023-24

Credit – 1, Contact Hours-15

Objectives

- To impart the knowledge of **ornamental plants**
 - To acknowledge the students about the **Floriculture**
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Unit 1: Introduction and ornamental Plants: 08

- History of gardening;
- Importance and scope of floriculture and landscape gardening.
- Flowering annuals; Herbaceous perennials and Divine vines.
- Shade and ornamental trees;
- Ornamental bulbous and foliage plants;
- Cacti and succulents;
- Palms and Cycads;
- Ferns and Selaginellas;
- Cultivation of plants in pots;
- Indoor gardening and Bonsai.

Unit 2: Commercial Floriculture: 07

- Factors affecting flower production;
- Production and Packaging of cut flowers;
- Flower arrangements;
- Methods to prolong vase life;
- Cultivation of Important cut flowers (Carnation, Aster, Chrysanthemum, Dahlia, Gerbera, Gladiolous, Marigold,Rose, Liliium, Orchids).

Outcomes: Students will able to –

- Get knowledge about **Commercial Floriculture**
 - Students will get idea about the **ornamental Plants**.
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**Skill Enhancement Course:
BOT/ SEC /PR/31106
Practical Floriculture
w.e.f. June 2023-24**

Credit – 1, Contact Hours-30

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1. Study on plant propagation techniques such as seed sowing, vegetative propagation (cuttings, layering, budding, grafting), and tissue culture.
 2. Visual identification of textural type of soils
 3. Collection of soil samples, procedure for sending samples to Soil Testing Laboratory.
 4. Interpretation of soil testing results and fertilizer recommendation.
 5. Common garden operations using different implements.
 6. Identification & practice Bio fertilizer.
 7. Study on Pest and Disease Management
 8. Handling of soils, purpose of nursery bed, potting media, potting etc.
 9. Studying of floricultural tools used in maintenance and in propagation.
 10. Studying propagation by runners, suckers, off shoots & other vegetative means
 11. Practicing simple and tongue layering, ground layering, air layering or gootee.
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Suggested Readings

1. Advanced Commercial Floriculture – S.K.Bhattacharjee & L.C. De
2. Chrysanthemum in India – by M.A. Kher
3. Commercial Floriculture – by S. Prasad/ U.Kumar
4. Commercial Flowers Vol.1& Vol.2– Edited by T.K. Bose, et al.
5. Complete Gardening in India – by Gopaldaswami Iyengar
6. Floriculture – Technology, Trades and Trends – by J. Prakash and K.R. Bhandaly
7. Floriculture and Landscaping – by T.K. Bose, R.G. Maiti, R.S. Dhua and P. Das
8. Floriculture -At Glance by Desh Raj
9. Floriculture in India – by Dr. G.S. Randhawa and A. Mukhopadhyay
10. Pests of Floriculture crops and their control – by Pulluri Ramesh
11. Protected cultivation of Roses – by Dr. T. Venkatesh Reddy, & Dr. C.G. Nagaraja
14. Randhawa, G.S. and Mukhopadhyay, A. 1986. Floriculture in India. Allied Publishers