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HORT-222 Production Technology for Ornamental Crops, MAPs and Landscaping

2(1+1)

Theory

Importance and scope of ornamental crops, medicinal and aromatic plants and landscaping. Principles of landscaping. Landscape uses of trees, shrubs and climbers. Production technology of important cut flowers like rose, gerbera, and carnation, under protected conditions and gladiolus, tuberose, chrysanthemum under open conditions. Package of practices for loose flowers like marigold and jasmine under open conditions. Production technology of important medicinal plants like ashwagandha, asparagus, safed musli, aloe, Cinnamomum, periwinkle, isabgol and aromatic plants like mint, lemongrass, citronella, palmarosa, ocimum, rose, geranium, vetiver. Processing and value addition in ornamental crops and MAPs produce.

Practical (Production Technology for Ornamental Crops, MAPs and Landscaping):

Identification of Ornamental plants. Identification of Medicinal and Aromatic Plants. Nursery bed preparation and seed sowing. Propagation of Ornamental and MAPs, Training and pruning of Ornamental plants. Planning and layout of garden. Bed preparation and planting of MAP. Protected structures – care and maintenance. Intercultural operations in flowers and MAP. Harvesting and post harvest handling of cut and loose flowers. Processing of MAP. Visit to commercial flower/MAP unit.

Lecture schedule: Theory

S.N.	Topics	No.of lectures
1.	Importance and scope of ornamental crops, medicinal and aromatic plants	1
2.	Importance and scope landscaping and Principles of landscaping	1
3.	Landscape uses of trees, shrubs and climbers	1
4.	Production technology of important cut flowers like rose	1
5.	Gerbera and carnation under protected conditions	2
6.	Gladiolus, tuberose, chrysanthemum under open conditions	2

7.	Package of practices for loose flowers like marigold and jasmine under open conditions	1
8.	Production technology of important medicinal plants like ashwagandha, asparagus, safed musli	1
9.	Aloe, Cinnamon, periwinkle, isabgol	1
10.	Aromatic plants like mint, lemongrass	1
11.	Citronella, palmarosa	1
12.	Ocimum, rose	1
13.	Geranium, vetiver	1
14.	Processing and value addition in ornamental crops and MAPs produce	1

Lecture schedule: Practical

S.N.	Topics	No.of lectures
1.	Identification of Ornamental plants	1
2.	Identification of Medicinal and Aromatic Plants	1
3.	Nursery bed preparation and seed sowing	1
4.	Propagation of Ornamental and MAPs	2
5.	Training and pruning of Ornamental plants	2
6.	Planning and layout of garden. Bed preparation and planting of MAP	2
7.	Protected structures – care and maintenance	1
8.	Intercultural operations in flowers and MAP	1
9.	Harvesting and post harvest handling of cut and loose flowers. Processing of MAP	3
10.	Visit to commercial flower and MAP unit	2

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