

**BBO -S301**  
**SEC-1 Floriculture**

MM : 100  
Time : 3 hrs  
L Credit  
4 4  
Total Hours: 60

Sessional : 30  
ESE : 70  
Pass Marks : 40

**Learning objective:**

- To acquire knowledge importance and scope of floriculture, landscaping gardening.
- To acquire an overall knowledge of the principles of garden designs.
- To become familiar with landscaping and commercial floriculture.
- To acquire an overall knowledge on diseases and pests of ornamental plants.
- To become familiar with general techniques used in Floriculture.

**Learning outcomes:**

- The student shall be able to understand basic knowledge of floriculture and its propagation.
- The student shall be able to develop design and execute their ideas in production of flower for commercial, aesthetic and economic purposes.
- The student will be equipped to understand the management and development of different factors affecting flower production; production and packaging.
- The student will be able take the decisions for carrier point of views in research, industries and academia entrepreneurship etc.

**Unit 1: Introduction to Floriculture****(18 Lectures)**

Importance and scope of floriculture and landscape gardening. Nursery management and routine garden operations: sexual and vegetative methods of propagation; soil sterilization; seed sowing; pricking; planting and transplanting; shading; stopping or pinching; defoliation; wintering; mulching; topiary; role of plant growth regulators.

**Unit 2: Ornamental Plants:****(12 Lecturer)**

Flowering annuals; herbaceous perennials; 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; bonsai.

**Unit 3: Principles of Garden Designs:****(12 Lecturer)**

Introduction to the principles of garden designs, Features of a garden (garden wall, fencing, steps, hedge, edging, lawn, flower beds, shrubbery, borders, water garden; some famous gardens of India.

**Unit 4: Landscaping and Commercial Floriculture:****(12 Lecturer)**

Landscaping places of public importance: landscaping highways and educational institutions. 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, Dahelia, Gerbera, Gladiolous, Marigold, Rose, Lilium, Orchids).

**Unit 5: Diseases and Pests of Ornamental Plants:****(6 Lecturer)**

Diseases and pests of ornamental plants (Aster, Dahelia, Gerbera, Marigold, Rose); leaf spot of *Chrysanthemum*, tulip mosaic,

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