

**Course Name: Gardening and Landscaping**

**Course Code: PLS 424**

**Credits = 02**

**Learning outcomes:**

After the completion of this course the learner will be able:

- To apply the basic principles and components of gardening
- To design various types of gardens according to the culture and art of bonsai
- To establish and maintain special types of gardens for outdoor and indoor landscaping
- To start Gardening and landscaping activity as an agri- business enterprise by liaising with different stake holders

**UNIT-1**

Introduction to Gardening, Special types of Gardens: Home garden, roof garden, sunken garden, vertical garden, terrace garden, water garden, rock garden, bottle garden, window garden, Suitable plants for different types of garden, Limitations in establishing the gardens

**UNIT-2**

Lawns: Establishment and its maintenance, Culture of Bonsai, Different styles in Bonsai, characteristics of plant suitable for bonsai, Bonsai maintenance (pruning and wiring), Topiary

**UNIT-3**

Commercial gardening, Components such as statues, garden benches, paths, floral clock etc, Annuals, perennials and flowering trees for commercial / ornamental gardening, Hedges

**UNIT-4**

Landscape designs (Components and Features), Landscaping in various places and its value addition

**UNIT-5**

Bioaesthetic planning, ecotourism, Non-plant components (water scaping, xeriscaping, hardscaping); Computer Aided Designing (CAD) for landscaping

**Reference Books:**

1. Berry, F. and Kress, J. (1991). Heliconia: An Identification Guide . Smithsonian Books.
2. Russell, T. (2012). Nature Guide: Trees: The world in your hands (Nature Guides).
3. Sabina, GT and Peter KV. 2008. Ornamental Plants for Gardens. New India Publ. Agency
4. Bose, T. K and Mukherjee, D. 1977. Gardening in India. Oxford & IBH Publishing Co. Pvt. Ltd., Calcutta
5. Bose, T. K. Malti, R. G. Dhua, R. S and Das, P. 2004. Floriculture and Landscaping. Nayaprakash, Calcutta
6. Nambisan, K. M. P. 1992. Design Elements of Land Scape Gardening Oxford & IBH Publishing Co. Pvt. Ltd., New Delh

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