

**SHRI GOVIND GURU UNIVERSITY**  
**Syllabus on the bases of New Education Policy (NEP)**  
**B.Sc. Semester – I**  
**Skill Enhancement Course – BOTANY**

**BSC23SE103 Horticulture and Gardening**

**Unit 1: Horticulture-I**

- Horticulture: Definition, Scope and Branches
- Plant Propagation-Vegetative, Asexual and Sexual reproduction
- Nursery Management
- Ornamental Plants

**Unit 2: Horticulture-II**

- Floriculture and its implements
- Bonsai
- Important Horticulture crops of Gujarat

**Unit 3: Gardening**

- Gardening: Definition, objective and scope of different types of gardens (Kitchen garden, water garden, rock garden and terrace garden), Landscaping and home gardening.
- Gardening operations: soil laying, manuring, watering,
- management of pests and diseases and harvesting.
- Gardening tools & equipment's.
- Identification of common plants for different garden locations (Minimum 5 plants for each location): paths, avenue, hedges and flower beds.

**Suggested Readings**

1. C.R. Adams (2018). Principles of Horticulture. Amsterdam. Boston.
2. Michael A. Dirr (2009). Manual of Woody and land Plants. Stipes Publication.
3. Salaria and Salaria (2013). A2Z Solutions Horticulture at a glance Vol.I. Jain Bros.

4. Bose, TK. & Mukherjee, D, 1972, Gardening in India, Oxford & IBH Publishing Co., NewDelhi.
5. Kumar,N. 1997. Introduction to Horticulture, Rajalakshmi Publications, Nagercoil.
6. Chadha K. L. (2003). Handbook of Horticulture. Indian Council of Agricultural Research.
7. Gardening in India – Percy Lancaster, Oxford & IBH Publishing Co. Pvt Ltd.
8. Gardens – Laeeq Futehally, National Book Trust, India.