

**JYOTI NIVAS COLLEGE AUTONOMOUS, BANGALORE**

**DEPARTMENT OF BOTANY**

**FREE VALUE-ADDED COURSE SYLLABYS**

**NURSERY AND HORTICULTURAL TECHNIQUES**

**ACADEMIC YEAR 2021 -2022**

**(Credit- 1)**

**Total Hrs -15**

**Unit I: Nursery:**

Definition, objectives and scope and building up of infrastructure for nursery, planning and seasonal activities - Planting - direct seeding and transplants.

**4 Hrs**

**Unit II: Vegetative propagation of Horticulture plants:**

Introduction, Types and Methods of Vegetative propagation: (a) Cuttings (b) Layering (c) Grafting (d) Budding.

**5 Hrs**

**Unit III: Gardening:**

Definition, objectives and scope - different types of gardening - landscape and home gardening - Gardening operations: soil laying, manuring, watering, management of pests and diseases and harvesting.

**6 Hrs**

**Suggested Readings**

1. Bose T.K. & Mukherjee, D., 1972, Gardening in India, Oxford & IBH Publishing Co., New Delhi.
2. Sandhu, M.K., 1989, Plant Propagation, Wile Eastern Ltd., Bangalore, Karnataka.
3. Kumar, N., 1997, Introduction to Horticulture, Rajalakshmi Publications, Nagercoil.