

**Department of Botany**  
**Value-Added Course**  
**VACBTES22 - ENTREPRENEURIAL SKILLS IN BOTANY**

Code	Title of The Paper	Hours
VACBTES22	Entrepreneurial Skills In Botany	30

**Unit I: Nursery and Garden: (4 Hours)**

Definition, objectives, and scope of the nursery, planning, and seasonal activities - Planting - direct seedling and transplants, economy of the nursery.

**Unit II: Organic Manure Production: (4 Hours)**

Introduction, Composting, production of compost and constitution of compost, Factors affecting decomposition. Vermiculture and vermicomposting: Definition, Advantages, Role of Earthworms in soil fertility. Importance of Organic Manure.

**Unit III: Vegetative Propagation of Horticulture plants: (4 Hours)**

Introduction, Economic importance, and classification of horticulture crops. Types and Methods of Vegetative propagation: Cutting, Layering, Grafting, and Budding. Propagation of plants for ornamental purposes.

**Unit IV: Kitchen and Terrace Gardening: (4 Hours)**

Introduction, Garden and its types, Tools and equipment required for the garden preparation, Vegetable garden, kitchen garden, Plan of Terrace Garden, Advantages of Terrace gardening.

**Unit V: Herbal Products: (4 Hours)**

Preparation of Herbal hair oil, herbal face pack, herbal shampoo, herbal toothpaste, herbal soap, herbal food products

**Student activity: (10 Hours)**

Preparation of Organic manure /herbal products, Visit the Nursery and Horticultural department.

**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.
4. Pande, H. 2015. Herbal Cosmetics - Asia Pacific Business press, New Delhi.