

Course Code	Course Name	Credits
26BY955	INTRODUCTION TO HORTICULTURE	02

Course Description

This course is designed to help students gain basic knowledge and practical skills in horticulture. It introduces students to the cultivation of fruits, vegetables, flowers, and plant propagation.

Course Objectives

- To understand the basics and importance of horticulture.
- To learn methods of plant propagation and nursery management.
- To develop practical skills in growing and managing horticultural crops.
- To encourage interest in self-employment and entrepreneurship in horticulture.

Skill Enhancement Outcomes

Upon successful completion of this course, the learner will be able to:

- Identify different horticultural crops and their uses.
- Perform seed sowing, cutting, grafting, budding, and other propagation methods.
- Prepare and manage a nursery for fruits, vegetables, and ornamental plants.
- Apply proper irrigation, manuring, and plant protection methods.
- Harvest horticultural produce properly.
- Explore opportunities in nursery production, floriculture, kitchen gardening, and landscaping.

Course Content and Practical Training

- Introduction, scope, and importance of horticulture.
- Branches of horticulture: fruit crops, vegetable crops, flower crops, plantation crops, landscaping.
- Classification of horticultural crops.
- Soil preparation and nutrient management.
- Methods of propagation: seeds, cuttings, layering, grafting, budding.
- Nursery raising and nursery management practice.
- Cultivation of common vegetable crops.
- Cultivation of flowering and ornamental plants.
- Basic irrigation methods: drip and sprinkler systems.
- Identification and management of pests and diseases.
- Harvesting, grading, packaging, and storage.
- Post-harvest handling and value addition.
- Kitchen gardening and landscaping basics.
- Entrepreneurship opportunities in horticulture.

Learning Outcome

At the end of the course, students will be able to grow and manage horticultural plants, practice basic propagation and nursery techniques, and understand the scope of horticulture for employment and self-employment.