

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited by NAAC with 'B')

KAKINADA 533002 EASTGODAVARI, ANDHRA PRADESH

B.Sc HORTICULTURE for the Academic Year **2022-2023**

Course Outcomes:

SEMESTER - I, Paper– I -Fundamentals of Horticulture and Soil Sciences

1. Understand the scope and potential of horticulture products in India and Andhra Pradesh.
2. Classify the horticulture plants based on soil and climate.
3. Illustrate different systems of planting in an orchard and predict the number of plants in a given land.
4. Demonstrate the methods and types of training and pruning.
5. Explain the basics of soil science and justify the role of soil as a medium for plant growth
6. Explain about integrated nutrient management and demonstrate the skills of soil testing.

SEMESTER - II, Paper – 2- Plant Propagation and Nursery Management

1. Explain sexual and asexual propagation methods of plants.
2. Demonstrate skills on vegetative propagation of plants.
3. Demonstrate the techniques on raising of different types of nursery beds
4. Justify the role of various propagation structures used to raise horticulture plants.
5. Understand the regulation to establish a plant nursery and quality parameters to be maintained.
6. Implement different routine/regular activities in a nursery.
7. Understand the economics of a plant nursery and can maintain necessary records .

SEMESTER - III, Paper – 3 -Basics of Vegetable Science

- 1 Distinguish the growing of vegetables according to season and climate
- 2 Get detailed knowledge on cultivation aspects of different vegetables
- 3 Understand and explain the special intercultural operations done in vegetable crops

- 4 Study of morphology and taxonomy of different vegetable crops
- 5 Study of different varieties of vegetable crops
- 6 Identify pest and diseases of various fruit crops and suggest control measures.

SEMESTER - IV, Paper – 4 :Basics of Fruit Science

1. Realize the value of fruits in terms of human nutrition and economy of nation.
 2. Explain the potential fruit zones in various states of our country.
 3. Classify the fruiting plants based on temperature requirements.
 4. Acquire knowledge related to various cultivation practices for different fruit crops
 5. Demonstrate the special intercultural operations done in fruit crops
 6. Comprehend the knowledge on varieties of different fruit crops.
 7. Examine the pests and diseases of fruit crops and develop skills to manage the same,
 8. Explain about Integrated Orchard Management
- Develop knowledge on various entrepreneurial skills related to fruit science

SEMESTER - IV, Paper – V - Pests and diseases of horticulture plants and their management

1. Develop a critical understanding of insect pests and plant disease symptoms.
2. Examine and identify the pests and diseases of vegetable crops and their management
3. Examine and identify the pests and diseases of ornamental crops and their management
4. Examine and identify the pests and diseases of fruit crops and their management
5. Identify and classify various insect pests on horticulture plants.
6. Justify the significance of Integrated Plant Disease Management for horticultural crops.
7. Classify the pesticides based on use, chemical nature, formulation, toxicity and action.

SEMESTER - V, Paper – 6A : Ornamental Horticulture

1. Acquire a critical knowledge of ornamental gardening and its significance.
2. Identify and explain living and non-living components in an ornamental garden.
3. Acquire skills on propagation and planting of various ornamental plants.
4. Perform managerial skills related to ornamental gardening.
5. Demonstrate skills of designing and developing ornamental gardens in public places.

SEMESTER - V, Paper – 7A -Commercial Floriculture

1. Understand the significance of flowers in human life.
2. Acquire skills related to production techniques in floriculture.
3. Explain the breeding techniques of some flowering plants.
4. Demonstrate skills of protected cultivation in floriculture.
5. Perform skills in relation to post-harvest operations in floriculture.

V. N. D.
PRINCIPAL
A.S.D. GOVT. DEGREE COLLEGE (M)
AUTONOMOUS
KAKINADA