



# Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with an 'A++' Grade by NAAC CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment II October 2025

V Semester

Class : III B.Sc  
Branch : Botany

Time : 2 Hours  
Max. Marks : 60

## 23BBODE4 Horticulture

### Course outcomes:

On the completion of the course the students will be able to:

1. Understand the different classifications of horticultural crops, nursery management, and use of technology in horticulture.
2. Develop their competency on pre and post-harvest technology in horticultural crops
3. Analyze the different methods of weed control and harvest treatments of horticultural crops
4. Examine the economic implications of cultivation of tropical and sub-tropical vegetable crops
5. Evaluate the importance of floriculture and contribution spices and condiments on economy

### Part A

Choose the correct answer

6x1=6

1. Which of the following is a physical method of weed control? CO3K1  
(a) Using herbicides (b) Introducing natural predators  
(c) Mulching to suppress weed growth (d) Crop rotation
2. Which of the following post-harvest treatments helps to extend the shelf life of horticultural crops? CO3K2  
(a) Harvesting crops at the peak of ripeness (b) Storing produce at room temperature  
(c) Applying wax coatings to reduce moisture loss (d) Exposing produce to sunlight after harvesting
3. Which one of the following vegetable crops is considered a tropical crop and thrives best at temperatures above 20°C? CO4K1  
(a) Cabbage (b) Cauliflower (c) Tomato (d) Carrot
4. Which of the following regions of India is best suited for growing tropical fruits like mangoes and bananas? CO4K2  
(a) Himalayan Range (b) Eastern Plateau (c) Southern Peninsula (d) North-Western Plains
5. India is the largest producer and exporter of which of the following spices? CO5K2  
(a) Ginger (b) Pepper (c) Cinnamon (d) Clove
6. Which of the following is a major export spice from India? CO5K2  
(a) Cardamom (b) Basil (c) Parsley (d) Rosemary

### Part B

Answer ALL the Questions

Answer should not exceed 400 words or one page

3x6=18

- 7a. Write short notes on post-harvest treatments. CO3K2  
**OR**
- 7b. Explain chemical methods of weed control with examples. CO3K1
- 8a. Write the economic importance of tropical fruits. CO4K1  
**OR**
- 8b. List the major horticultural zones of India. CO4K1
- 9a. What are the objectives of post-harvest management? CO5K2  
**OR**
- 9b. Write short notes on role of spices in the National economy. CO5K2

### Part C

Answer ALL the Questions

Answer should not exceed 800 words or three pages

3x12=36

- 10a. Discuss the various methods of weed control. CO3K2  
**OR**
- 10b. Discuss the various post-harvest treatment methods used to increase the shelf-life of horticultural crops. CO3K1
- 11a. Explain the various types of propagation techniques used in fruit crops. CO4K2  
**OR**
- 11b. Discuss the economic importance of tropical and subtropical vegetables. CO4K2
- 12a. What is landscaping? Give an account on its principles and importance. CO5K2  
**OR**
- 12b. Discuss the industrial and medicinal importance of spices and condiments you have studied CO5K2