

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester : I (New)	Term : First	Academic Year : 2024-25
Course No. : HORT-111	Title : Fundamentals of Horticulture	
Credits : 3(2+1)		
Day & Date : Saturday, 08.02.2025	Time : 10:00 to 13:00 hrs.	Total Marks : 80

- Note :**
1. Solve ANY EIGHT questions from SECTION 'A'.
 2. All questions from SECTION 'B' are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagram wherever necessary.

SECTION 'A'

- Q.1 Define Horticulture. Write in detail the scope and importance of Horticulture in Indian Economy.
- Q.2 Describe in detail the points to be considered while selecting the site for establishment of fruit orchard.
- Q.3 Define Plant propagation. Write merits and demerits of sexual and asexual methods of plant propagation.
- Q.4 Define Training. Write the objectives of training and explain in detail the methods of training with a neat labeled diagram.
- Q.5 Write short notes on (Any Two):
- a) Unfruitfulness in horticultural crops
 - b) Flower bud differentiation
 - c) Kitchen gardening
- Q.6 Enlist the different irrigation systems. Explain in detail the drip irrigation system followed in horticultural crops with a neat labeled diagram.
- Q.7 Define Plant growth regulator. Discuss in detail the role of plant growth regulators in horticultural crops.
- Q.8 Enlist the different types of classification of horticultural crops and explain the classification based on climatic requirement, ripening behavior and duration of life span.
- Q.9 What do you mean by Landscape gardening? Explain in detail the principles of landscape gardening.
- Q.10 Define Seed germination. Explain in detail the types of seed germination with neat labeled diagrams.

SECTION 'B'

- Q.11 Define the following terms:
- | | | | |
|--------------------|---------------------|------------------|------------------|
| 1) Pruning | 2) Micropropagation | 3) Pollination | 4) Parthenocarpy |
| 5) Aromatic plants | 6) Juvenility | 7) Seed dormancy | 8) Rootstock |
- Q.12 Do as directed:
- 1) Application of fertilizers along with irrigation, is called as _____.
 - 2) Name the fruit crop in which heading back pruning method is adopted.
 - 3) Give the two examples of long day plants.
 - 4) Write the fruit type of mango.
 - 5) Give the two examples of propagation media.
 - 6) Define: Wind break.
 - 7) Give the two examples of wind-pollinated crops.
 - 8) Give the two examples of plantation crops.

