

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: V (New)	Term	: First	Academic Year	: 2023-24
Course No.	: H/FS 359	Title	: Orchard and Estate Management		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 5.12.2023	Time	: 14:00 to 16:00 hrs.	Total Marks	: 40

- 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 orchard management. Write the objectives of orchard management.
- Q.2 What is clean cultivation? Write the advantages and disadvantages of clean cultivation.
- Q.3 Enlist systems of planting. Explain hexagonal system of planting in detail.
- Q.4 Enlist different irrigation systems followed in horticultural crops. State merits and demerits of drip irrigation system.
- Q.5 Write in short factors affecting unfruitfulness in horticultural crops.
- Q.6 Discuss in short rejuvenation of old orchard by top working.
- Q.7 Write in short about high density planting.
- Q.8 Enlist special horticultural practices followed in fruit crops and write in detail about bending practice.
- Q.9 Enlist points to be considered in setting a cropping system. Give its advantages.
- Q.10 Write in short aims and principles of Integrated Pest Management.

SECTION 'B'

- Q.11 Define the following terms:

1) Irrigation 2) Integrated Nutrient Management 3) Crop model 4) Mulching

- Q.12 Match the pairs:

'A'

- 1) Girdling
- 2) Papaya
- 3) Fig
- 4) Rejuvenation method

'B'

- a) Buttress grafting
- b) Grapes
- c) Filler plant
- d) Notching

