

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Horticulture**

Semester	: I (New)	Term	: First	Academic Year	: 2022-23
Course No.	: H/FS 111	Title	: Fundamentals of Horticulture		
Credits	: 3 (2+1)				
Day & Date	: Thursday, 23.03.2023	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 Enlist the branches of Horticulture and write in brief the importance of horticultural crops.
- Q.2 Enlist different planting systems used in horticultural crops and explain any two in brief.
- Q.3 Write the objectives of training and describe in brief different methods of training.
- Q.4 Define cropping system. Explain in brief different cropping systems.
- Q.5 Describe in short the systems of irrigation used in horticultural crops.
- Q.6 Enlist the different types of vegetable gardens and explain in brief one of them.
- Q.7 Describe in brief the fruit growing zones in India.
- Q.8 Enlist the growing media for raising nursery plants. Explain briefly any two of them.
- Q.9 Discuss in short the methods of fertilizer application in fruit crops.
- Q.10 Write short notes on (Any Two):
- a) Uses of auxin in horticultural crops      b) Bearing habit      c) Organic farming

**SECTION 'B'**

- Q.11 Define the following terms:
- |                            |                  |                   |             |
|----------------------------|------------------|-------------------|-------------|
| 1) Plant growth regulators | 2) Spices        | 3) Unfruitfulness | 4) Weed     |
| 5) Windbreak               | 6) Parthenocarpy | 7) Perennials     | 8) Layering |
- Q.12 State True or False:
- 1) Apple is a temperate fruit crop.
  - 2) Vitamin 'B<sub>1</sub>' is called as thiamine.
  - 3) 'Khirmi' is used as a rootstock in sapota.
  - 4) Clove is a flower spice.
  - 5) Guava is a berry type fruit.
  - 6) Mango has lateral bearing habit.
  - 7) Potato is a tuber vegetable.
  - 8) Vermicompost is developed using earthworm.

