

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

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|------------|-------------------------|-------|--------------------------------|---------------|-----------|
| Semester | : I (New) | Term | : First | Academic Year | : 2023-24 |
| Course No. | : H/FS 111 | Title | : Fundamentals of Horticulture | | |
| Credits | : 3 (2+1) | | | | |
| Day & Date | : Wednesday, 10.01.2024 | 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 Write in detail about the importance and scope of growing horticultural crops.
- Q.2 Explain in brief different planting systems of fruit crops.
- Q.3 Enlist the bases of classification of fruit crops and describe in detail the classification of fruit crops based on types of fruit.
- Q.4 Enlist the different methods of irrigation and describe in detail drip irrigation.
- Q.5 Give the objectives of training and explain in brief different methods of training.
- Q.6 Define Unfruitfulness. Enlist factors affecting unfruitfulness and explain in brief internal factors.
- Q.7 Explain in brief the points to be considered for establishment of orchard.
- Q.8 Enlist different cropping systems followed in horticultural crops. Write about relay cropping.
- Q.9 Write short notes on (Any Two):
- a) Vegetable growing for processing
 - b) High density planting
 - c) Principles of organic farming
- Q.10 Enlist different methods of fertilizer application. Write in short about foliar application.

SECTION 'B'

- Q.11 Define the following terms:
- 1) Deciduous
 - 2) Parthenocarp
 - 3) Grafting
 - 4) Biennial
 - 5) Pruning
 - 6) Weed
 - 7) Horticulture
 - 8) Olericulture
- Q.12 State True or False:
- 1) The word 'Horticulture' is derived from a Latin word
 - 2) Mango is a rich source of vitamin 'A'.
 - 3) IAA is a ripening hormone.
 - 4) Banana is a berry type of fruit.
 - 5) Notching is followed in fig.
 - 6) Micronutrients are generally applied as foliar spray.
 - 7) Cashew nut is a temperate fruit crop.
 - 8) Chilli belongs to family Solanaceae.

