

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD
SEMESTER END EXAMINATION**

B.Sc. (Hort.)

Semester : I (New)	Term : I	Academic Year : 2016-17
Course No. : H/HORT 111	Title : Fundamentals of Horticulture	
Credits : 3(2+1)		
Day & Date : Tuesday, 13.12.2016	Time : 10.00 to 13.00	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 diagrams wherever necessary.

SECTION "A"

- Q.1 Write in details about the scope and importance of growing horticultural crops in India.
- Q.2 Write in short cropping systems in horticultural crops.
- Q.3 Describe in brief points to be considered for selection of site for establishment of an orchard.
- Q.4 What do you mean by training and pruning? Write the objectives and describe different methods of training.
- Q.5 What is unfruitfulness? Enlist factors causing unfruitfulness and write in brief about external factors associated with it.
- Q.6 What is rejuvenation? Discuss methods of rejuvenation.
- Q.7 Describe in detail about the classification of fruit crops based on climatic requirement.
- Q.8 Describe different planting systems of fruit crops with an example.
- Q.9 Write short notes (Any Two)
- 1) Ornamental gardens.
 - 2) Special horticultural practices followed in fruit crops.
 - 3) Mulching
- Q.10 Describe in brief the different methods of vegetable gardening.

SECTION "B"

- Q.11 Define the following terms.
- | | |
|---------------|----------------------|
| 1) Pomology | 2) Fertigation |
| 3) Disbudding | 4) Filler crop |
| 5) Dichogamy | 6) Bahar treatment |
| 7) Weed | 8) Micro propagation |

(P.T.O.)

Q.12 Fill in the blanks.

- 1) Horticulture is derived from _____ word.
- 2) _____ fruit is the rich source of Vitamin 'C'.
- 3) In fig fruit buds are produced _____.
- 4) The most fruitful method of training is _____.
- 5) _____ is a ripening hormone.
- 6) Mango belongs to family _____.
- 7) A branch of horticulture, which deals with cultivation of vegetable crops is called _____.
- 8) _____ are the organic chemical compounds which regulate physiological process in an appreciable measure in plant when used in small concentrations.

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