

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

**B.Sc. (Hort.)**

<b>Semester</b> : I (New)	<b>Term</b> : I	<b>Academic Year</b> : 2015-16
<b>Course No.</b> : H/HORT 111	<b>Title</b> : Fundamentals of Horticulture	
<b>Credits</b> : 3(2+1)		
<b>Day &amp; Date</b> : Tuesday, 08.12.2015	<b>Time</b> : 10.00 to 13.00	<b>Total Marks</b> : 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 detail about the scope and importance of growing horticultural crops in India.
- Q.2 Describe in brief points to be considered for selection of site for establishment of an orchard.
- Q.3 Enlist different methods of irrigation and write in detail about drip irrigation.
- 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 causes of unfruitfulness and write in brief about external factors associated with it.
- Q.6 Comments on the following.
  1. High density planting
  2. Plant growth regulators
- 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 example.
- Q.9 Write short notes (Any two).
  - a) Rejuvenation of old orchard
  - b) Special horticultural practices followed in fruit crops
  - c) Multistoried cropping
- Q.10 Describe in brief the different methods of vegetable gardening.

**SECTION "B"**

- Q.11 Define the following terms.
 

1) Mulching	2) Fertigation	3) Intercropping
4) Nutrition garden	5) Dichogamy	6) Bahar treatment
7) Weed	8) Micro propagation	
- Q.12 Fill in the blanks.
  1. Horticulture is derived from \_\_\_\_\_ word.
  2. \_\_\_\_\_ fruit is the rich source of Vitamin 'A'.
  3. In fig fruit buds are produced \_\_\_\_\_
  4. Physiological disorder 'stony fruit' is observed in \_\_\_\_\_ fruit crop.
  5. \_\_\_\_\_ is a ripening hormone.
  6. Papaya belongs to family \_\_\_\_\_.
  7. A branch of Horticulture which deals with cultivation of fruit crops is called \_\_\_\_\_.
  8. In grafting the union between stock and scion \_\_\_\_\_ tissue plays important role.