

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hort.)

Semester : I (New)	Term : I	Academic Year : 2011-12
Course No. : H/HORT 111	Title : Fundamentals of Horticulture	
Credits : 3(2+1)		
Day & Date : Tuesday, 13.12.2011	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 Discuss economic importance of cultivating horticultural crops in Maharashtra. Write its branches in short.
- Q.2 Write about soil and climatic requirement of horticultural crops.
- Q.3 Define bio-regulators. Give their application in horticultural crops.
- Q.4 Enlist system of planting. Explain square system of planting in detail.
- Q.5 Define unfruitfulness. Enlist different factors associated with it and write in brief internal factors associated with it.
- Q.6 Discuss the points to be considered while planning and layout of an orchard.
- Q.7 Mention the objectives of training and pruning the horticultural crops. Write in detail methods of training.
- Q.8 Enlist special horticultural practices followed in fruit crops and write in detail bahar treatment.
- Q.9 Write short notes on (Any Two)
- 1) Bearing habits in fruit crops
 - 2) Mulching
 - 3) Drip irrigation
- Q.10 Comment on following.
- 1) Classification of horticultural crops based on climatic requirement.
 - 2) Mixed cropping followed in horticultural crops.

SECTION "B"

- Q.11 State True or False.
- 1) Truck garden is an intensive type of vegetable gardening.
 - 2) Precursor of Vitamin "A" is carotene.
 - 3) Deficiency of Iron causes anemia disease.
 - 4) Pomology is defined as science of cultivation of fruit plants.

(P.T.O.)

- 5) Mango is a temperate fruit.
- 6) Fig belongs to the family Moraceae.
- 7) IBA is commonly used for inducing rooting in cuttings.
- 8) Banana is herbaceous perennial evergreen fruit crop.

Q.12 Do as directed.

- 1) Name two advanced methods of irrigation.
- 2) Name two dioecious fruit crops.
- 3) Name two drupe fruits.
- 4) Name two perennial vegetable crops.
- 5) Name two nitrogenous biofertiliser.
- 6) Name two flowering trees.
- 7) Name two ornamental bulbous plants.
- 8) Name two vegetables grown as root crops.

