

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester	: I (New)	Term	: I	Academic Year	: 2019-20
Course No.	: H/FS 111	Title	: Fundamentals of Horticulture		
Credits	: 3(2+1)	Time	: 10.00 to 13.00	Total Marks	: 80
Day & Date	: Thursday, 26.12.2019				

- 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.

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SECTION "A"

- Q.1 Discuss importance and scope of cultivating horticultural crops in Maharashtra.
- Q.2 Write about soil and climatic requirement of horticultural crops.
- Q.3 Define bio-regulators. Give their applications in horticultural crops.
- Q.4 Discuss the principles of layout of an orchard. Write about square system of planting.
- Q.5 Enlist different cropping systems followed in horticultural crops. Write about relay cropping.
- Q.6 Enlist different methods of application of fertilizer. Write in short about foliar application.
- Q.7 Mention the objectives of training and pruning the horticultural crops. Write in detail methods of pruning.
- Q.8 Enlist special horticultural practices followed in fruit crops and write in detail about bending practice.
- Q.9 Write short notes. (Any Two)
 - a) Vegetable growing for processing
 - b) Water management in horticultural crops
 - c) High density planting system in fruit crops
- Q.10 Comment on the following. (Any Two)
 - a) Weed management
 - b) Unfruitfulness in horticultural crops
 - c) Bearing habit in fruit crops

(P.T.O.)

SECTION "B"

Q.11 State True or False.

- 1) Kitchen garden refers to the raising of vegetable crops in the backyard of a house.
- 2) Mandarins bear fruit on current season growth.
- 3) Deficiency of vitamin 'D' causes night blindness disease.
- 4) Jammu and Kashmir state lies in arid climatic zone.
- 5) Onion is a biennial vegetable crop.
- 6) Head is the economical part used for consumption in cabbage.
- 7) Micronutrients are generally applied as foliar spray.
- 8) *PSB* is responsible for fixing nitrogen in the soil.

Q.12 Match the following pairs.

'A'

- 1) Girdling
- 2) Papaya
- 3) Fig
- 4) Rectangle system
- 5) NAA
- 6) Ringing
- 7) Rejuvenation method
- 8) Fertilizer application method

'B'

- a) Buttress grafting
- b) Grapes
- c) Planting system
- d) Fruit drop
- e) Notching
- f) Band placement
- g) Mango
- h) Filler plant

