

MAHARASHITRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Tech. (Agril. Engg.)

Semester	: II (New)	Term	: II	Academic Year	: 2017-18
Course No.	: AS-HORT 121	Title	: Principles of Horticultural Crops and Plant Protection		
Credits	: 2 (1+1)	Time	: 9.00 to 11.00	Total Marks	: 40
Day & Date	: Saturday, 28.04.2018				

- 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 Explain different criteria for selection of site for fruit orchard.
- Q.2 Define horticulture. Write in detail scope and importance of horticulture.
- Q.3 Define pruning and write in brief the objectives and methods of pruning.
- Q.4 Enlist the methods of irrigation in fruit crops and write the advantages of drip irrigation method.
- Q.5 Enlist the methods of planting system and explain in brief square system of planting.
- Q.6 Write the advantages of micropropagation.
- Q.7 Write in detail major pests and diseases of banana crop and their control measures.
- Q.8 Write in brief the cultivation practices of rose on the following aspects.
- a) Soil and climate
 - b) Varieties
 - c) Propagation
 - d) Pruning
- Q.9 Write in brief the cultivation of mango on the following aspects.
- a) Soil and climate requirement
 - b) Commercial varieties
 - c) Planting distance and preparation of pit
 - d) Harvesting and yield
- Q.10 Write in detail the cultivation practices of onion on the following aspects.
- a) Planting method
 - b) Season and spacing
 - c) Commercial varieties
 - d) Manures and fertilizers

SECTION "B"

- Q.11 Define the following terms.
- 1) Micropropagation
 - 2) Training
 - 3) Budding
 - 4) Fertigation
- Q.12 Fill in the blanks.
- 1) Kalipatti is the variety of _____ crop.
 - 2) Red colour of tomato is due to _____ pigment.
 - 3) Tuberose is propagated by planting _____.
 - 4) Bunchy top disease of banana is transmitted by _____ vector.

