MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION
B.Sc.(Hons.) Agriculture

Semester	: I (New)	Term	: First	Academic Year	: 2022-23
Course No.	: HORT 111	Title	: Fundamentals of Horticulture		
Credits	: 2 (1+1)				
Day & Date	: Saturday, 01.04.2023	Time	: 10:00 to 12:00 hrs.	Total Marks	: 40

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 diagram wherever necessary.

SECTION 'A'

Q.1 Describe importance of horticultural crops in India with future opportunities.

Q.2 Write the different criteria of classification of horticultural crops with examples.

Q.3 Differentiate between training and pruning and explain in brief open centre system of training.

Q.4 Write short notes on (Any Two):

a) Hexagonal system of planting b) Spices and condiments c) Bahar treatment

Q.5 Define unfruitfulness and write in short about factors leading to unfruitfulness.

Q.6 Describe nutritive value of fruits and vegetables in human diet.

Q.7 Define plant growth regulators and explain their role in growth of horticultural crops.

Q.8 Write short notes on (Any Two):

a) Intercropping b) Medicinal and aromatic plants c) Pollinizers and pollinators

Q.9 Why selection of site is essential? Give criteria for selecting the site of an orchard.

Q.10 Classify different irrigation methods used for horticultural crops. Explain drip irrigation.

SECTION 'B'

Q.11 Match the pairs:

'A'	'B'
1) Epicotyl grafting	a) Fruit retention
2) Air layering	b) Mango
3) Ethylene	c) Guava
4) NAA	d) Artificial ripening

Q.12 Fill in the blanks:

1) Sorosis type of composite fruit is found in _____ fruit crop.
2) A process of development of fruit without pollination or fertilization is termed as _____.
3) Konkan Samrat is new hybrid variety of _____ fruit crop.
4) In _____method of vegetative propagation, the plant parts are always detached before rooting.

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