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

Semester	: V (New)	Term : First	Academic Year : 2022-23
Course No.	: H/FS 359	Title : Orchard and Estate Management	
Credits	: 2(1+1)		
Day & Date	: Thursday, 02.02.2023	Time : 14:00 to 16:00 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 Write in brief importance of orchard and estate management.

Q.2 Explain in brief different objectives to establish fruit orchard.

Q.3 a) What is High Density Planting?

b) Explain the importance of HDP with its classification on the basis of density and intensity of planting.

Q.4 Explain the system of irrigation for fruit orchard.

Q.5 Explain in brief the disorder which occurs due to excess and deficit of water on growth, development and productivity of fruit crops.

Q.6 Enlist different special horticultural practices and explain any one of them.

Q.7 Define cropping system. Enlist different cropping systems and describe any one of them.

Q.8 Enlist different planting systems used in fruit crops and explain in detail any one planting system.

Q.9 Define unfruitfulness. Enlist different factors associated with it and write in brief about external factors.

Q.10 Write short notes on (Any Two):

a) Sod culture   b) Wind break   c) Mulching

SECTION 'B'

Q.11 Define the following terms:

1) Crop regulation   2) Integrated Nutrient Management

3) Frame working   4) Scion

Q.12 Match the pairs:

'A'	'B'
1) Crop regulation	a) The plant or part on which the scion is worked
2) Crop model	b) To induce juvenility in plants
3) Rejuvenation	c) Pattern of crop growth
4) Rootstock	d) To increase production, fruit size and growth

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