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

Semester	: V (New)	Term	: First	Academic Year	: 2023-24
Course No.	: ELE- HORT 355	Title	: Protected Cultivation of Horticultural Crops		
Credits	: 3 (2+1)				
Day & Date	: Friday, 15.12.2023	Time	: 14:00 to 17:00 hrs.	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 diagram wherever necessary.

SECTION 'A'

Q.1 What is protected cultivation? Give the importance and scope of protected cultivation.

Q.2 Describe in brief the classification of protected structures on the basis of shape.

Q.3 What are the different micro-climate components influencing the crop growth and how they can be controlled in protected condition?

Q.4 Describe in detail the properties and sterilization of media for greenhouse production.

Q.5 Explain production technology of carnation under protected condition on the following points:

a) Climate and Bed preparation
b) Propagation and Planting
c) Irrigation and Nutrient management
d) Harvesting and Yield

Q.6 Explain in brief the production technology of rose under protected condition on the following points :

a) Propagation and Cultivars
b) Bending and Disbudding
c) Pest and Disease Management
d) Harvesting indices and Yield

Q.7 Explain in brief the production technology of bell pepper under protected condition on the following points:

a) Planting and Varieties
b) Special horticultural practices
c) Harvesting indices and Yield
d) Post-harvest management

Q.8 Explain in brief advances in protected cultivation of tomato on the following points:

a) Soil and Climate
b) Cultivars
c) Training and Fruit thinning
d) Harvesting and Yield

Q.9 Explain in brief the production technology of cucumber under protected condition on the following points:

a) Soil and Climate
b) Planting
c) Training and Pollination
d) Harvesting and Yield

(P.T.O.)

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