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

Semester	: V (New)	Term	: First	Academic Year	: 2022-23
Course No.	: ELE-HORT 355	Title	: Protected Cultivation of Horticultural Crops		
Credits	: 3(2+1)				
Day & Date	: Thursday, 09.02.2023	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 Define greenhouse. Comment in short on the importance and scope of greenhouse cultivation in India.

Q.2 Enlist the different basis of classification of greenhouse. Explain any one of them.

Q.3 Write in brief on protected cultivation of Rose on the following points:

a) Climate (Greenhouse environment) b) Planting

c) Bending d) Harvest and post-harvest management

Q.4 Write in brief on protected cultivation of Carnation on the following aspects:

a) Climate b) Bed preparation

c) Pinching d) Disorders

Q.5 Write in brief on protected cultivation of Chrysanthemum on the following points:

a) Climate b) Supporting

c) Nutrition d) Harvesting and packing

Q.6 Write in brief on protected cultivation of Bell Pepper on the following points:

a) Climate b) Bed preparation and planting

c) Varieties d) Harvest and post-harvest management

Q.7 Write in brief on protected cultivation of Tomato on the following aspects:

a) Climate b) Bed preparation

c) Training d) Harvesting

Q.8 Write in brief on protected cultivation of Anthurium on the following points:

a) Qualities of good cultivation b) Propagation

c) Growing media d) Harvesting and grading

Q.9 Write in brief on protected cultivation of Orchid on the following points:

a) Climate b) Propagation

c) Nutrients d) Harvesting and grading

(P.T.O.)

agromind.in

Telegram - AgroMind

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

a) Properties of cladding material

b) Properties of media

c) Advantages of containers in greenhouse

SECTION 'B'

Q.11 Match the pairs:

'A'	'B'
1) Gable roof GH	a) Flexible cladding material
2) Polyethylene	b) 90-95 % light transmission
3) Glass	c) Tropical areas
4) Net House	d) 90 % light transmission
5) Fibre glass	e) 65-75 % light transmission
6) Gravel culture	f) Good root penetration
7) Strip pit pot	g) Common media
8) Plastic film	h) Humid climate

Q.12 Fill in the blanks:

1) The greenhouse has to be designed for a maximum of _____ per square meter live load.

2) The _____is used, when the greenhouse is placed against the side of an existing building.

3) _____. are used for the production of plants in warm climates or during summer months.

4) _____ greenhouse has two roof slopes of equal pitch and width.

5) _____ is a modern greenhouse, which can be almost completely automated for assisting propagation.

6) _____ polyhouse do not have any environmental control system, except for the provision of adequate ventilation and fogger system.

7) _____ greenhouses are highly inflammable with high light transmission.

8) _____ are used for supplemental lighting in greenhouse for photosynthetic purposes.

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind