

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Agriculture**

Semester	: V	Term	: First	Academic Year	: 2024-25
Course No.	: ELE HORT 355	Title	: Protected Cultivation of Horticultural		
Credits	: 3 (2+1)		Crops		
Day & Date	: Tuesday, 22.10.2024	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 Give the importance and scope of protected cultivation in India.
- Q.2 Write the production technology of Asparagus medicinal plant.
- Q.3 Describe the production technology of Gerbera in protected cultivation on the following points:
- a) Soil and Climate
  - b) Propagation and Planting
  - c) Irrigation
  - d) Harvesting and Yield
- Q.4 Write in brief about cladding material types used in green house or polyhouse.
- Q.5 Explain the production technology of Tomato in protected cultivation on the following points:
- a) Climate requirement
  - b) Preparation of bed and Planting
  - c) Varieties
  - d) Harvesting and Yield
- Q.6 Describe the production technology of Rose in protected cultivation on the following points:
- a) Requirement of climate
  - b) Propagation and Planting
  - c) Pruning
  - d) Harvesting and Yield
- Q.7 Explain in brief about any four types of green house design on the basis of shape.
- Q.8 Describe the production technology of Orchid on the following points:
- a) Climate
  - b) Propagation and Planting
  - c) Irrigation
  - d) Harvesting
- Q.9 Give the information of Cucumber on the following points:
- a) Soil and Climate
  - b) Sowing and Planting
  - c) Improved varieties
  - d) Harvesting and Yield
- Q.10 Write short notes on:
- a) Important uses of aromatic plants
  - b) Fertigation management in polyhouse

**(P.T.O.)**

## SECTION 'B'

Q.11 Define/Comment on the following terms:

- 1) Aromatic plants
- 2) Pinching
- 3) Soil solarization
- 4) Off-season production
- 5) Protected cultivation
- 6) Lean-to type green house
- 7) Plastic tunnel
- 8) Protrays

Q.12 Do as directed:

- 1) Commercial propagation method of chrysanthemum is \_\_\_\_\_.
- 2) The family of strawberry is \_\_\_\_\_.
- 3) Write value added product of lemon grass.
- 4) Which horticultural practice is followed in bell paper?
- 5) Write the names of any two important medicinal plants.
- 6) Tulip is propagated by \_\_\_\_\_.
- 7) Write the concentration of CO<sub>2</sub> required for carnation cultivation in polyhouse.
- 8) Which chemical is used for disinfection of raised bed in green house?

