

20. (a) What are special types of gardens? Explain.

Or

(b) Write notes on water garden and their importance.

PART C — (3 × 10 = 30)

Answer any THREE questions.

21. Write an essay on importance of manures and fertilizers in horticulture.
 22. Discuss on different vegetative propagation methods.
 23. Explain methods of cultivation, harvesting and post harvesting methods of tomato and Brinjal.
 24. Discuss on different types of pruning techniques.
 25. Write a comparative account on terrace garden and vertical garden.
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S.No. 6188

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(For candidates admitted from 2022-2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Botany — Elective

HORTICULTURE AND LANDSCAPE GARDENING

Time : Three hours

Maximum : 75 marks

PART A — (20 marks)

Answer ALL questions.

- I. (A) Choose the correct answer : (5 × 1 = 5)
 1. Cultivation of vegetable crops are called
 - (a) Floriculture
 - (b) Vegetable culture
 - (c) Olericulture
 - (d) Tissue culture
 2. The method of layering in which rooting is induced at different notes simultaneously in the soil is called
 - (a) Compound layering
 - (b) Air layering
 - (c) Trench layering
 - (d) Mound layering
 3. Stock and scion are used in
 - (a) Cutting
 - (b) Grafting
 - (c) Layering
 - (d) Micro propagation

4. Indoor plants are generally
 (a) Sun loving (b) Shade loving
 (c) Seawater loving (d) Rock loving
5. Cultivation of plants that require a low amount of light and water to thrive are typically known as
 (a) Indoor gardening
 (b) Outdoor gardening
 (c) Landscape gardening
 (d) Special gardening
 (B) Fill in the blanks : (5 × 1 = 5)
6. Supply of water near the root zone drop by drop is called _____
7. _____ shaped cut is used in whip grafting.
8. _____ is the National fruit of India.
9. Removal of entire trunk of the tree leaving 35 cm of stump is called _____
10. _____ is a plant which is trimmed into ornamental shape.
- II. Answer ALL questions : (5 × 2 = 10)
11. What are manures?
12. Explain hedge.

13. What is 'Controlled Atmospheric Storage' in horticulture?
14. Explain "Central leader system".
15. Define sunken garden.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

16. (a) Evaluate importance and scope of horticulture.
 Or
 (b) Write notes on different methods of plant protection.
17. (a) Explain the use of plant growth regulators in horticulture.
 Or
 (b) Analyse stock scion relationship.
18. (a) Determine the cultivation methods of Jackfruit.
 Or
 (b) Describe in the opportunities in horticulture.
19. (a) Explain the principles of landscaping.
 Or
 (b) What are the principles of Training?