

19. (a) How to plan and design for house garden.

Or

(b) Discuss on plantations on railway lines and their uses.

20. (a) Describe the processes for maintenance of lawns.

Or

(b) Write comparative account on water garden and public garden.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Write an essay on soil properties and maintenance of soil fertility.

22. Write the methods for growth and development of horticulture crops.

23. Write an essay on cultivation.

24. Discuss on landscape designing.

25. Write an essay on establishment of terrace garden.

S.No. 2639

P 22 BOE 1 B

(For candidates admitted from 2022–2023 onwards)
M.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Botany – Elective

HORTICULTURE AND LANDSCAPE GARDENING

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Multiple choice questions : (5 × 1 = 5)

1. Growing trees for aesthetic purpose

- (a) Olericulture (b) Horticulture
(c) Floriculture (d) Arboriculture

2. Stock and scion are used in

- (a) Grafting
(b) Cutting
(c) Micropropagation
(d) Layering

3. In cut flowers stem blockage is controlled using

- (a) Quinoline salts
(b) Silver nitrate
(c) Calcium chloride
(d) Water

4. The trees in urban areas are grown for their _____.

- (a) beauty and landscape
- (b) fruits
- (c) shade
- (d) cool weather

5. In a formal garden the imaginary central line is known as

- (a) edges
- (b) axis
- (c) focal point
- (d) hedges

(B) Fill in the blanks : (5 × 1 = 5)

6. Study of vegetables is _____.

7. _____ method is widely used for propagation of Mango.

8. The planting of trees along road side is called _____.

9. _____ is used to control damage by earth worms and termites in lawns.

10. _____ is an essential feature of water garden.

II. Answer ALL the questions in a sentence or two :
(5 × 2 = 10)

11. Write two physical methods of plant protection.

12. Name any two plant growth regulators.

13. What is the goal of processing of vegetables?

14. What is the purpose of pruning?

15. Describe terrace garden.

SECTION B — (5 × 5 = 25)

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

16. (a) Explain the importance of horticulture.

Or

(b) Discuss methods of plant protection in horticulture.

17. (a) Write different plant propagation methods.

Or

(b) What is the use of growth regulators in horticulture?

18. (a) Write general account on harvesting and pro harvesting process of Mango.

Or

(b) Explain the cultivation and harvesting techniques in Chrysanthemum.