

Reg. No

Name

25U661

B.Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2025

SEMESTER 6 : BOTANY

COURSE : 19U6CRBOT12 : HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY AND REPRODUCTIVE BIOLOGY

(For Regular 2022 Admission and Supplementary 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. Define self-incompatibility.
2. What are garden adornments?
3. What is truck gardening?
4. Define Floriculture.
5. What is vegetative propagation? Give example.
6. Mention any two common cut flowers.
7. Define biological control.
8. Define micropropagation.

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Differentiate between parthenogenesis and gynogenesis.
10. Differentiate between tongue grafting and approach grafting.
11. List the advantages of compost.
12. Differentiate between myophily and sapromyophily.
13. Write a short note on shrink packaging.
14. Explain syngamy in angiosperms.
15. Explain the process of pollen germination.
16. Write a note on bonsai preparation.
17. List out the common foliage used in flower arrangement.
18. Differentiate between grafting and layering.

(2 x 6 = 12)

PART C

Answer any 4 (5 marks each)

19. Define budding and explain its types.
20. Explain the preparation and advantage of vermicomposting.
21. Describe the structure of pollen wall with the help of a labelled diagram.
22. Explain the various types of layering.
23. Explain the types of embryosacs.
24. Write an account on Orchid cultivation.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. Explain about the packing and maintenance of flowers and leaves.
26. Explain the development of ovule in angiosperm and describe a mature embryo sac.
27. Describe the natural methods of vegetative propagation.
28. Explain the various steps of micropropagation.

(10 x 2 = 20)