

Reg. No

Name

26U664

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2026

SEMESTER 6 : BOTANY

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

(For Regular 2023 Admission and Supplementary 2022/ 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer all (1 mark each)

1. Define natural vegetative propagation. Give example.
2. Define weed control.
3. Study of flowers is called.
4. Define green manure.
5. What is hardening of seedlings?
6. Write the name and use of any two garden tools or implement
7. Define pruning.
8. What is meant by phalaenophily?

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. What is meant by melittophily? Give an example.
10. What is meant by hemiclinal reproduction?
11. Explain the process of anther dehiscence.
12. Differentiate between seed viability and seed dormancy.
13. Differentiate between ornithophily and chiropterophily.
14. Write briefly about any two famous gardens of India.
15. Write a note on sprinkling system of irrigation.
16. Write the scope of orchid & Jasmine cultivation in Kerala.
17. Write the advantage of packaging of fruits and vegetables.
18. Comment on PSB.

(2 x 6 = 12)

PART C

Answer any 4 (5 marks each)

19. Explain about bonsai preparation.
20. Write a note on potting mixture.
21. Explain different types of embryosacs.
22. How will you prepare neem decoction? Write its advantages.
23. Define layering and explain its types
24. Describe the structure of pollen wall with the help of a labelled diagram.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. Explain the various plant growth structures.
26. Compare microsporogenesis and megasporogenesis.
27. Explain the different types of floral arrangement.
28. Explain the different types of budding and grafting.

(10 x 2 = 20)