

B.Sc. DEGREE EXAMINATION, APRIL 2023
BRANCH V(a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : MAJOR – ELECTIVE
PAPER : HORTICULTURE
TIME : 3 HOURS MAX. MARKS: 100

SECTION-A

A. ANSWER THE FOLLOWING

18 Marks

I. Choose the correct answer

(5x1=5)

1. Onion is a
(a). Vegetable crop (b). Fruit
(c). Tree (d). All the above
2. Vegetable forcing is growing them
(a). in normal season (b). out of normal season
(c). in vitro condition (d). None of the above
3. Jasmine is famous for
(a). Available in different colours (b). Beauty
(c). Strong fragrance (d). None of the above
4. Guava belongs to the family
(a). Malvaceae (b). Rubiaceae
(c). Sapindaceae (d). None of the above
5. Inarching is
(a). Layering method (b). Grafting method
(c). Cutting (d). None of the above

II. Fill in the blanks:

(4x1=4)

6. Horticulture is derived from the Latin word _____
7. Vegetative propagation is also called as _____
8. The art of shaping plants to resemble animate or inanimate object is _____
9. Air layering is also called as _____.

III. State True or False

(4x1=4)

10. Rock garden is also called as a rockery
11. In T – budding a T shaped incision is made on the root stock stem
12. Micropropagation is a method of vegetative propagation
13. The removal of stamens from cut flowers is done to prolong the vase life.

IV. Match the following

(1x5=5)

14. Seed – Sexual propagation
15. Mound – Budding
16. Chip – layering
17. Brindavan garden – Ooty
18. Botanical garden – Mysore

V. ANSWER ANY SIX OF THE FOLLOWING QUESTIONS IN 50 WORDS EACH:
(6x3=18)

19. Pot culture
20. Water garden
21. Potato planting
22. Truck garden
23. Garden implements
24. Flower bed
25. Annuals
26. Lawn mower
27. Ikebana

SECTION-B

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS IN ABOUT 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY. (4x6=24)

28. Highlight the importance of repotting in potted plants.
29. Narrate the steps involved in budding.
30. Write notes on veneer grafting.
31. Explain the term Bonsai
32. Discuss the structure and design of a Terrarium
33. Discuss the term vegetable forcing

SECTION-C

ANSWER ANY TWO OF THE FOLLOWING QUESTIONS IN ABOUT 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY. (2x20=40)

34. Explain in detail the various gardens, its history and importance in India.
35. Write a detailed account on the different types of vegetative propagation
36. Explain in detail the design and construction of a kitchen garden
37. Describe the planning, laying and construction of a landscape
