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(Pages : 3) **M – 1519**

Reg. No. : .....

Name : .....

Fifth Semester B.Sc. Degree Examination, December 2021

First Degree Programme under CBCSS

Botany

Open Course

BO 1551.1 : HORTICULTURE

(2019 Admission)

Time : 3 Hours Max. Marks : 80

I. Answer **all** questions in a word or few sentences. Each question carries **1** mark.

1. What is compost?
2. Define Topiary.
3. Name a rotting hormone.
4. What is Pomology?
5. What is Peat?
6. What are shrubberies?
7. Name an example for plant propagated through leaf cuttings.
8. How parthenocarpy is induced in fruit crops?
9. What are weedicides?
10. What is hydroponics?

(10 × 1 = 10 Marks)

P.T.O.

II. Answer **any eight** of the following questions. Each question carries **2** marks.

11. What is the use of ethylene in horticulture?

12. Distinguish between stock and scion.

13. Write a brief account of common diseases in Mango.

14. What is approach grafting?

15. Write a short note on artificial flowering in crop plants.

16. What is Olericulture?

17. What is meant by conservatory?

18. Why vermiculite is used as potting media?

19. How trench layering is practiced?

20. What are fungicides? Give any two examples.

21. Discuss plant propagation using stem cuttings citing suitable examples.

22. What are the components of a garden?

23. What are bio pesticides? Give an example.

24. What is rockery?

25. Give an account of Indoor gardens.

26. Explain the composition of NPK fertilizers.

(8 × 2 = 16 Marks)

III. Answer **any six** of the following questions. Each question carries **4** marks.

27. Give an account of various tools used in horticulture.

28. What is meant by landscaping? Write short notes on its components.

29. What are bio-fertilizers? How they are useful over chemical fertilizers?

30. Explain the scope and importance of horticulture.

31. Explain various methods for the application of fertilizers.

32. Explain the procedure of budding? How it differs from grafting?

33. Explain the advantages of drip and sprinkler irrigation over traditional irrigation methods.

34. How potting mixture is prepared?

35. Explain the procedure of air layering.

36. Explain the techniques used in the harvesting and storage of Orchid flowers.

37. How Bonsai trees are prepared?

38. Write short note on the principles of garden making.

(6 × 4 = 24 Marks)

IV. Answer **any two** of the following questions. Each question carries **15** marks.

39. Explain different types of soil. How it is prepared for the use in horticulture.

40. Distinguish between manures and fertilizers. Explain different kinds of manures used horticulture.

41. Explain different methods of flower arrangements.

42. Describe various methods of processing and preservation of fruits and vegetables.

43. Distinguish between grafting and layering. Write the procedure for different types of grafting.

44. What are growth regulators? Explain their use in horticulture.

(2 × 15 = 30 Marks)
