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M – 1513

Reg. No. : .....

Name : .....

**Fifth Semester B.Sc. Degree Examination, December 2021**

**First Degree Programme under CBCSS**

**Botany**

**Open Course**

**BO 1551.1 — HORTICULTURE**

**(2018 Admission)**

Time : 3 Hours

Max. Marks : 80

(Draw diagrams wherever necessary)

PART – A

I. Answer **all** questions in one word or two sentences. Each question carries **1** mark.

1. Define floriculture
2. What is Ikebana?
3. What do you mean by NPK?
4. Name any two plants propagated through stem cutting.
5. What is a green house?
6. Give an example for a rooting hormone.
7. What is a root stock?

P.T.O.

8. Which branch of Horticulture deals with the study of fruits?

9. What is mean by humus?

10. Define biofertilizer.

**(10 × 1 = 10 Marks)**

## PART – B

II. Answer **any eight** of the following; not to exceed one paragraph. Each question carries **2** marks.

11. Write notes on shrubberies.

12. Differentiate between topiary and rockery.

13. Name any four garden tools and their uses.

14. What are foliar sprays?

15. Write four uses of indoor gardening.

16. Write note on hydroponics.

17. Comment on farm-yard manure.

18. What are the things to address while making a roof garden?

19. Write a note on parthenocarpy.

20. What are the major principles of garden making?

21. How can we make a potting mixture?

22. Explain T-budding.

23. Mention the uses of weedicides.

24. What are the major uses of sphagnum moss?

25. Write a note on Edges and hedges.

26. What is a bouquet?

**(8 × 2 = 16 Marks)**

## PART – C

III. Answer any **six** of the following; not to exceed 120 words; Each question carries **4** marks.

27. What are fertilizers? Explain the different methods of application of fertilizers?

28. How can you propagate plants through cuttings?

29. Write note on various potting media.

30. Briefly explain the scope and importance of horticulture.

31. What are growth regulators? What is their role in flower induction?

32. Explain the common diseases in vegetable crops.

33. Write note on (a) carpet beds (b) Manure.

34. Describe the various types of soil.

35. What are the different methods of fruit processing?

36. Briefly describe roof garden.

37. What is the significance of conservatories and green houses?

38. Explain different types of layering.

**(6 × 4 = 24 Marks)**

## PART – D

IV. Write an essay on **any two** of the following; Each question carries **15** marks.

39. What are the different methods of plant protection?

40. Write an essay on the processing and preservation of vegetables.

41. Describe the various methods of Grafting.

42. Explain in detail various styles of flower arrangements.

43. Give an account on vermicomposting and its significance.

44. Write an essay on different types of bonsai. Add note on the various steps of bonsai making.

**(2 × 15 = 30 Marks)**

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