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S – 1688

Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2023

First Degree Programme under CBCSS

Botany

Open Course

BO 1551.1 — HORTICULTURE

(2014 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

(Draw diagrams wherever necessary)

- I. Answer **all** questions in **one** or **two** sentences. Each question carries **1** mark.
1. Name the two major divisions of Horticulture.
 2. What are plantation crops?
 3. What are bio-fertilizers?
 4. Name two common diseases of Tomato.
 5. What are growth regulators?
 6. Define hydroponics.
 7. Name two weedicides.

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8. Define food preservation.
9. Write two methods of vegetative propagation.
10. What are the uses of vermiculate?

(10 × 1 = 10 Marks)

II. Answer **any eight** questions, not to exceed a paragraph. Each question carries **2** marks.

11. Distinguish between Bonsai and Ikebana.
12. Write a note on any two soil types.
13. What are the various components of a garden?
14. Write an account on landscaping.
15. What are the various types of flower arrangements?
16. Explain parthenocarpy.
17. What are advantages of foliar spray?
18. Distinguish between manures and fertilizers with suitable examples.
19. Write a note on scope of horticulture.
20. What are florigens?
21. Describe dry flower and foliage arrangement.
22. Write a note on rooting hormones.

(8 × 2 = 16 Marks)

III. Answer **any six** questions, not to exceed 120 words. Each question carries **4** marks.

23. Explain the various irrigation methods.
24. Describe the basic principles of garden making.
25. Explain the applications of growth regulators in horticulture.
26. Explain methods of preservation of fruits and vegetables.

27. Describe the soil preparation and types of containers used in horticulture.
28. What is a conservatory in gardening? Explain.
29. Write a short note on marketing of horticultural products.
30. Write an account on various garden tools and its uses.
31. What are the common plant protection methods?

(6 × 4 = 24 Marks)

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

32. Explain the various plant propagation methods with suitable diagrams.
33. Discuss the economic importance of horticulture crops.
34. Describe the various types of gardens and its contents.
35. Write an essay on applications of various types of manures and fertilizers in horticulture.

(2 × 15 = 30 Marks)