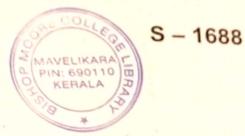
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Reg. No. :



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.
- 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.
- 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?
- Write an account on landscaping.
- 15. What are the various types of flower arrangements?
- Explain parthenocarpy.
- 17. What are advantages of foliar spray?
- Distinguish between manures and fertilizers with suitable examples.
- 19. Write a note on scope of horticulture.
- 20. What are florigens?
- Describe dry flower and foliage arrangement.
- 22. Write a note on rooting hormones.

 $(8 \times 2 = 16 \text{ Marks})$

- 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.

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- 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?

 $(6 \times 4 = 24 \text{ Marks})$

- IV. Write any two of the following. Each question carries 15 marks.
- 32. Explain the various plant propagation methods with suitable diagrams.
- Discuss the economic importance of horticulture crops.
- 34. Describe the various types of gardens and its contents.
- Write an essay on applications of various types of manures and fertilizers in horticulture.

 $(2 \times 15 = 30 \text{ Marks})$