

(Pages : 4)



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Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, January 2023

Career related First Degree Programme Under CBCSS

Group 2 (a) Botany and Biotechnology

Core Course

BB 1342 : HORTICULTURE, MUSHROOM CULTIVATION AND MARKETING

(2019 Admission onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in a word **one** or **two** sentences. **Each** question carries **1** mark. Draw diagrams wherever necessary.

1. What is the importance of *Sphagnum* moss?
2. What is hydroponics?
3. Define a scion.
4. Expand NPK.
5. What is the importance of foliar spray?
6. Name two biofertilizers.
7. What is vermiwash?
8. What is a topiary?

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9. Name a rooting hormone.

10. What is spawning?

(10 × 1 = 10 Marks)

SECTION – B

Answer **any eight** questions. **Each** question carries **2** marks. Answer not to exceed one paragraph.

11. Give two medicinal importance of mushrooms.

12. Give binomial of any two mushrooms used for cultivation.

13. What are weedicides?

14. What are the components of potting media?

15. What is parthenocarpy? What is its importance?

16. Discuss the role of vermiculite, in horticulture.

17. What are bio fertilizers?

18. What is ikebana?

19. Name a common disease of citrus and banana.

20. Name two fungicides.

21. Comment on poisonous mushrooms.

22. What is floristry?

23. Mention the nutritional value of mushrooms.

24. What is the significance of indoor gardens?

25. Name two plants used in indoor gardens.

26. What are the advantages of vegetative propagation?

(8 × 2 = 16 Marks)

SECTION – C

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

27. Explain the preparation of bonsai.
28. What are the different irrigation methods used in horticulture?
29. Give a short note on terrarium and vertical garden.
30. Comment on the common pests and diseases in mushrooms. Add a note on control measures.
31. Give an account on the role of growth regulators in horticulture.
32. Elaborate on the preservation and processing of fruits.
33. Explain dry flower arrangement. Add a note on different flowers used for dry flower arrangement.
34. What are the advantages of a greenhouse?
35. Elaborate on different garden tools and their uses.
36. Discuss the long term storage methods for mushrooms.
37. Explain mushroom bed preparation.
38. Discuss on the economic aspects of mushroom cultivation.

(6 × 4 = 24 Marks)

SECTION – D

Answer **any two** questions. Not more than three pages. **Each** question carries 15 marks.

39. Explain the cultivation technique of white button mushrooms.
40. Write an essay on different methods of vegetative propagation.

41. Describe the components of an ornamental garden.
42. Discuss the importance and scope of horticulture. Add a note on divisions of horticulture.
43. Explain the life cycle of Agarics with suitable diagrams.
44. Write an essay on manures and fertilisers used in horticulture.

(2 × 15 = 30 Marks)
