

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, August 2022

Career Related First Degree Programme under CBCSS

Group 2 (a) Botany and Biotechnology

(core Course VI)

BB 1441 : HORTICULTURE MUSHROOM

CULTIVATION AND MARKETING

(2013 - 2018 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. What are foliar sprays?
2. Define a lawn.
3. Give the binomial of white button mushroom.
4. Name two substrates used for mushroom cultivation.
5. What is a stipe?
6. Define blanching.
7. Expand NPK.

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8. What are carpet beds?
9. Name a plant propagated by root cutting.
10. What is the use of *Sphagnum* in horticulture?

(10 × 1 = 10 Marks)

SECTION – B

Answer any **eight** questions. Each question carries **2** marks.

11. What is Ikebana? Add a note on its importance.
12. Explain the preparation of Bordeaux mixture.
13. What is casing in mushroom cultivation?
14. Briefly describe the packaging of fruits and vegetables.
15. What is approach grafting?
16. Give the optimum fruiting conditions for *Pleurotus*.
17. What is freeze drying?
18. List four edible mushrooms in India.
19. Discuss the advantage of a green house?
20. What are roof gardens?
21. Explain dry flower arrangement.
22. What is hydroponics?

(8 × 2 = 16 Marks)

SECTION – C

Answer any **six** questions. Each question carries 4 marks.

23. Explain the various methods of irrigation.
24. What is a spawn? Add a note on its preparation.
25. Brief a note on weedicides and pesticides.
26. Explain the art and preparation of bonsai.
27. Discuss the nutritional importance of mushrooms.
28. Differentiate biofertilizers and chemical fertilizers.
29. Comment on any four garden tools.
30. What are the short term storage methods for mushrooms.
31. Give a brief account on preservation and processing of vegetables.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries 15 marks.

32. Explain various components of an ornamental garden.
33. What are growth regulators? Explain the role of growth regulators in horticulture.
34. Describe the cultivation method of *Oyster* mushroom.
35. With neat labeled diagrams, describe vegetative propagation by budding and layering.

(2 × 15 = 30 Marks)