

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, May 2021

Career Related First Degree Programme under CBCSS

Group 2 (a) : Botany and Biotechnology

Core Course

BB 1441 : HORTICULTURE, MUSHROOM CULTIVATION AND MARKETING
(2013, 2015-2018 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. Name two plants used in indoor gardening.
2. What is Bordeaux mixture?
3. What is hydroponics?
4. What is the importance of foliar spray?
5. Name two plants propagated by Cutting.
6. What are the merits of drip irrigation?
7. Comment on the positive aspects of bonsai.
8. How will you manage weeds in garden?
9. Name two common Indian mushroom.
10. Name common pests in mushrooms.

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

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

11. How will you select a root stock for grafting?
12. Why paddy straw is used as a substrate for mushroom Cultivation?
13. What are the medicinal value of mushrooms?
14. Comment on the morphology of *Pleurotus*.
15. What is the importance of peat moss in horticulture?
16. What are the common diseases of fruit crops?
17. What is the importance of green house?
18. What is layering?
19. What is parthenocarpy?
20. Name two soil types of Kerala.
21. Comment on flower induction in horticultural crops.
22. Explain how humidity of mushroom shed can be maintained?

(8 × 2 = 16 Marks)

SECTION – C

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

23. What are the different procedures used in processing of mushroom?
24. Write briefly on white button mushroom cultivation

25. Give an account on different types of layering.
26. Comment on different plant protection methods used in horticulture.
27. Write an account on different irrigation methods.
28. Write briefly on significance and preparation of lawn.
29. Give a brief account on dry flower arrangement.
30. Give the role of growth regulators in horticulture.
31. Comment on the storage of fruits and vegetables after harvesting.

(6 × 4 = 24 Marks)

SECTION – D

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

32. Give an account on vegetative propagation methods practiced in horticulture.
33. What are the components of a garden? Explain how they are important as a part of the garden.
34. Write an essay on manures and fertilizers used in horticulture.
35. Write an essay on cultivation of paddy straw mushroom.

(2 × 15 = 30 Marks)