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S - 3617

Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, February 2024

Career Related First Degree Programme under CBCSS

Botany and Biotechnology

Core Course V

BB 1342 : HORTICULTURE, MUSHROOM CULTIVATION AND MARKETING

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

PART - A

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

1. What is scion?
2. Mention the use of a secateurs.
3. Define bonsai.
4. What is pomology?
5. Give an example for a rooting hormone.
6. Name the causative organism of bunchy top of banana.
7. Write the systematic position of *Agaricus*

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8. What is blanching?
9. Name the genus of Milky white mushroom.
10. Write the composition of bordeaux mixture.

(10 × 1 = 10 Marks)

PART – B

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

11. Brief a note on olericulture and floriculture.
12. What is parthenocarpy?
13. Point out the advantages of vertical gardens.
14. What is a green house? Write its significance.
15. Comment on poisonous mushrooms.
16. Distinguish a systemic fungicide from a contact fungicide.
17. What are weedicides? Give examples.
18. Discuss the medicinal properties of mushrooms.
19. Explain long term storage methods of mushrooms.
20. What is whip and tongue grafting?
21. Explain landscaping and its importance.
22. What are Biofertilizers?

(8 × 2 = 16 Marks)

PART – C

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

23. Explain approach grafting and bridge grafting.
24. What is air layering? List its advantages.
25. Discuss on the disease cycle of late blight of potato.
26. Elaborate on strategies adopted for the storage of fruits.
27. Brief a note on major diseases of tomato.
28. What is NPK? Explain its role in plant growth.
29. Write notes on
 - (a) Terrarium
 - (b) Spawn.
30. Describe the foliar application of fertilizers.
31. Explain the morphology of *Agaricus*.

(6 × 4 = 24 Marks)

PART – D

Answer any **two** questions. Each question carries **15** marks. (Answer not to exceed **3** pages)

32. Explain the life cycle of *Pleurotus*.
33. Give an account on vegetative propagation methods employed in horticulture.
34. What is vermicompost? Write in detail about its preparation.
35. Explain the cultivation of white button mushroom.

(2 × 15 = 30 Marks)