

D 50563

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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Botany

BOT 5D 02—APPLIED BOTANY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer all questions.**Each question carries 2 marks.**Ceiling : 20 Marks.*

1. What is the composition of potting mixture for garden plants ?
2. Explain the term *Fertilizer Grade*.
3. Mention the advantages of drip irrigation over surface irrigation.
4. Define seed dormancy. Mention its' significance.
5. Define *Explant*. Mention any *one*.
6. What is meant by Budding. Mention any *two* types.
7. Define Spawn. Mention the most common type of spawn.
8. What are Biofertilizers ? Mention a Phosphorus biofertilizer.
9. Mention four orchids used in floriculture.
10. What is meant by *Bonsai* ?
11. Mention botanic name of one solanaceous and one cucurbitaceous vegetable.
12. Specify botanic name, family and morphology of useful part of wheat.

Turn over

Section B

Answer all questions.

Each question carries 5 marks.

Ceiling : 30 Marks.

13. Define Biological control. Mention technical names of two antifungal and two insecticidal biocontrol agents.
14. Explain nutritional contents, types application and significance of organic manure.
15. Enlist advantages and disadvantages of vegetative propagation.
16. Write note on transplanting and aftercare of seedlings.
17. Outline steps on Oyster mushroom cultivation.
18. Explain the technique of vermicomposting.
19. Write note on methods of propagation in orchids.

Section C

Answer any one question.

The question carries 10 marks.

20. Give a detailed account on Micropropagation.
21. Give a detailed account on soil-composition, types, texture, pH, correction of pH and humus content.

(1 × 10 = 10 marks)