

D 110106

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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2024**

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. Enlist different types of soils.
2. Distinguish depotting and repotting.
3. Mention two examples for nitrogen fertilizer.
4. Enlist two examples for transplanted vegetables.
5. Mention two methods for scarification.
6. Which are the factors that influence seed germination ?
7. What are the demerits of organic manure ?
8. Write irrigation methods in the order of their efficiencies.
9. What are systemic fungicides ? Mention an example.
10. Explain mound layering with an example.
11. What are antagonistic micro-organisms ? Mention an example.
12. What are the advantages of micropropagation ?

**Turn over**

**Section B**

*Answer all questions.  
Each question carries 5 marks.  
Ceiling : 30 Marks.*

13. Compare seed propagation and vegetative propagation.
14. What are the precautions necessary in transplanting ?
15. Define Grafting. Describe various types with examples.
16. Explain methods of correcting soil pH. What is the significance of soil pH on plant growth ?
17. Write note on mushroom spawn production.
18. Explain physical and mechanical methods of pest control.
19. Define Spices. Write botanic name, family and morphology of useful part of any *two* spices.

**Section C**

*Answer any one question.  
The question carries 10 marks.*

20. Give a detailed account on biofertilizer technology.
21. Give a detailed account on Orchid cultivation.

(1 × 10 = 10 marks)