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Name.....

Reg. No.....

FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION, NOVEMBER 2022

Botany

BOT 5D 01—GENERAL BOTANY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions.

Each question carries 2 marks.

Ceiling : 20 marks.

1. Define Annual ring.
2. Define Osmosis.
3. What is BT Cotton ?
4. Write a note on IUCN.
5. Define Green House effect.
6. What is an inflorescence ?
7. Write a note on seed dispersal.
8. Differentiate simple and complex tissues.
9. What is Golden Rice ?
10. Write a note on National Parks.
11. Define transpiration. Add its significance.
12. What is sustainable development ?

Section B

Answer all questions.

Each question carries 5 marks.

Ceiling : 30 marks.

13. Write an account on Cell Cycle.
14. Write an account on role and deficiency symptoms of Macro nutrients.

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15. Describe the structure and significance of DNA.
16. Explain *In situ* and *Ex situ* methods of conservation.
17. Compare the anatomical features of Monocot and Dicot stem.
18. Write an account on Transgenic plants.
19. Explain various types of Plant growth hormones.

Section C

Answer any **one** question.

The question carries 10 marks.

20. Write an account on various methods of absorption of water and nutrients in Plants.
21. Explain various abiotic and biotic factors in the Ecosystem.

(1 × 10 = 10)