

D 103025

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Name.....

Reg. No.....

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2024**

Biotechnology

BTY 4C 04—ENVIRONMENTAL BIOTECHNOLOGY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answers)*All questions can be attended.**Each question carries 2 marks.**Overall ceiling 20.*

1. *Bauveria bassiana*.
2. Cry gene.
3. nif gene.
4. Bioplol.
5. Dehalorespiration.
6. GMO.
7. Bioventing.
8. Biofiltration.
9. SCP.
10. Antisense RNA mechanism.
11. GM plastics.
12. Biomagnification.

Turn over

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Section B (Paragraph Type Answers)

*All questions can be attended.
Each question carries 5 marks.
Overall ceiling 30.*

13. Describe the production of polylac.
14. Why synthetic plastics are to be prohibited.
15. Explain the role of fungi and bacteria as SCP.
16. Root nodule formation in nitrogen fixers.
17. Explain waste materials as a medium for biomass generation.
18. What is Baculovirus? Comment on its use and significance.
19. Explain the production of uranium through bioleaching.

Section C

Answer any one question, carries 10 marks.

20. Explain single cell protein production and its advantages.
21. Write down an essay on biological nitrogen fixers.

(1 × 10 = 10 marks)