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Name.....

Reg. No.....

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
APRIL 2023**

Biotechnology

BTY 4C 04—ENVIRONMENTAL BIOTECHNOLOGY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)***Answer any ten questions.**Each question carries 2 marks.*

1. Anabaena.
2. GM plastics.
3. Golden rice.
4. PHB.
5. Biosorbition.
6. Domestic waste.
7. phytoremediation.
8. 'nif' gene.
9. Biomagnification.
10. Energy crops.
11. Biostimulation.
12. Biofilters.

(10 × 2 = 20 marks)

**Section B (Paragraph Type Questions)***Answer any six out of seven.**Each question carries 5 marks.*

13. Describe the production of polylac.
14. Why synthetic plastics are to be prohibited.

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15. Explain the process of gold leaching.
16. Comment on the methods of biopower generation.
17. Explain the role of fungi and bacteria as SCP.
18. Root nodule formation in nitrogen fixers.
19. Explain waste materials as a medium for biomass generation.

(6 × 5 = 30)

### Section C (Essay Type Questions)

Answer any **one** questions, which carries 10 marks.

20. Explain the production of biogas by microorganisms.
21. Comment on the significance of genetically modified organisms.

(1 × 10 = 10)

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