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Name.....

Reg. No.....

FIFTH SEMESTER (CBCSS-UG) DEGREE EXAMINATION, NOVEMBER 2024

Microbiology

MBG 5D 02—ENVIRONMENTAL MICROBIOLOGY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Part A

*Answer all questions.
Each carries 2 marks.*

1. Humus.
2. Bacteriophage.
3. Fecal coliform.
4. Indicator microorganisms.
5. Rhizosphere.
6. Denitrification.
7. Cholera.
8. Trickling filter.
9. Droplet nuclei.
10. Recalcitrant.
11. Biomagnification.
12. Ozone layer.

(20 marks)

Part B

*Answer all questions.
Each carries 5 marks.*

13. Examine the microbial flora present in soil.
14. What is Nitrogen fixation ? Explain.
15. Discuss the steps involved in water purification.

Turn over

16. What are the major approaches for the microbial examination of drinking water.
17. Discuss on various airborne diseases.
18. What is acid rain? Discuss the consequences of acid rain.
19. Discuss the production of biogas.

(30 marks)

Part C

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

20. Elaborate in detail various steps involved in the treatment of sewage samples.
21. What are Xenobiotics ? Discuss the impact of biomagnification.

(1 × 10 = 10 marks)