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Name.....

Reg. No.....

FIRST SEMESTER (CUFYUGP) DEGREE EXAMINATION, NOVEMBER 2025

Chemistry

CHE1FM105—ENVIRONMENTAL CHEMISTRY

(2024 Admission onwards)

Time : One Hour and a Half

Maximum : 50 Marks

Section A

*All Questions can be answered.
Each Question carries 2 marks.
(Ceiling 16 Marks)*

1. Define lithosphere.
2. Discuss about the components of soil.
3. Write a note on abiotic and biotic components involved in an ecosystem.
4. Describe the different types of pollution.
5. What is biomagnification ?
6. Discuss the concept of eutrophication.
7. Explain the role of COD in determining water quality.
8. Discuss any one method for water pollution control.
9. Evaluate the different toxic metals and their effects in water.
10. What is meant by hardness of water ?

(Ceiling 16 Marks)

Section B

*All Questions can be answered.
Each Question carries 6 marks.
(Ceiling 24 Marks)*

11. What is greenhouse effect ? Discuss its consequences.
12. How' is photochemical smog formed ? How does it adversely affect human beings ?
13. Mention different ways to reduce air pollution caused by automobiles.

Turn over

14. Explain i) the controlling measures of bio medical waste ii) harmful effects of thermal pollution.
15. Write a note on i) marine water pollution ii) soil pollution by industrial and urban wastes.
(Ceiling 24 Marks)

Section C

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

16. Discuss about the classification of pollutants and provide specific examples of each type of pollutant.
17. a) Explain the different sources of water pollution.
b) Write a short note on the tragic event in Hiroshima and Nagasaki.

(1 × 10 = 10 marks)