

C 23055

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER (CUCBCSS/CBCSS) DEGREE [SPECIAL] EXAMINATION
APRIL 2022**

Chemistry

CHE 5D 01—ENVIRONMENTAL CHEMISTRY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answers)

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. What is meant by environmental pollution ?
2. Classify the different environmental segments.
3. What are the consequences of greenhouse effect ?
4. Write a brief note on chlorofluorocarbons.
5. What are the natural causes of water pollution ?
6. Name any two heavy metals present in water and the toxic effects resulted.
7. Write a short note on water pollutants.
8. What is oil pollution ?
9. How to control soil pollution ?
10. Define thermal pollution.
11. What is green chemistry ?
12. Write any *two* applications of green chemistry in our daily life.

(8 × 3 = 24 marks)

Turn over

Section B (Paragraph)

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Differentiate between persistent and non-persistent pollutants.
14. Briefly discuss the depletion of ozone layer.
15. What are alternate refrigerants? Discuss their role in reducing air pollution.
16. Write short note on noise pollution.
17. What is radioactive pollution ? What are its effects ? How can we control it ?
18. Discuss the control of air pollution by fabric filter and wet scrubber.
19. List out the principles of green chemistry.

(5 × 5 = 25 marks)

Section C (Essay)

*Answer any **one** question.*

The question carries 11 marks.

20. Explain briefly the important water quality parameters.
21. Discuss the control of air pollution using Gravitational settling chamber and Cottrel electrostatic precipitator.

(1 × 11 = 11 marks)