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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2023**

Chemistry

CHE 5D 01—ENVIRONMENTAL CHEMISTRY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answers)***Answer questions up to 20 marks.**Each question carries 2 marks.*

1. Name the different regions of atmosphere.
2. What is meant by contaminant ? How is it differ from a pollutant ?
3. Define global warming. Name any two gaseous pollutants causing global warming.
4. How can we control photochemical smog ?
5. What is underground water pollution ?
6. Differentiate between BOD and COD.
7. What are the sources of *e*-waste ?
8. Define thermal pollution. Write any *two* sources of thermal pollution.
9. Name any *four* methods used to control air pollution.
10. How catalytic converters are used for controlling air pollution ?
11. Define green chemistry. Comment on its need ?
12. Write any two applications of green chemistry in daily life.

(Ceiling of marks : 20)

**Turn over**

**Section B (Paragraph)**

*Answer questions up to 30 marks.*

*Each question carries 5 marks.*

13. Discuss the classification of Pollutants.
14. Briefly discuss the causes of water pollution.
15. Write and explain any two methods used for solid waste management.
16. Give an account on radioactive pollution.
17. Write a short note on Gravitational settling chamber.
18. Discuss briefly the air pollution control by Cottrell electrostatic precipitator.
19. List out the basic principles of green chemistry.

(Ceiling of marks : 30)

**Section C (Essay)**

*Answer any **one** question.*

*The question carries 10 marks.*

20. Explain the different gaseous air pollutants causing tropospheric pollution.
21. Write a note on the different sources of water pollution.

(1 × 10 = 10 marks)