



K20U 0094

Reg. No. : .....

Name : .....

**VI Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)**  
**Examination, April 2020**  
**(2014 Admission Onwards)**  
**CORE COURSE IN CHEMISTRY**  
**6B 17 CHE-A : Environmental Chemistry**

Time : 3 Hours

Max. Marks : 40

**SECTION – A**

(Answer **all** questions. **Each** question carries **one** mark.)

1. Name the chemical involved in Bhopal tragedy.
2. What is the major pollutant in automobile exhaust ?
3. What is the uppermost layer of atmosphere ?
4. List any two greenhouse gases. (1×4=4)

**SECTION – B**

(Answer **any seven** questions. **Each** question carries **2** marks.)

5. Give the temperature and composition of the atmospheric segments.
6. What is meant by soil formation ?
7. What is COD ? What is its significance ?
8. How is noise measured ?
9. What are the consequences of pesticide pollution ?
10. How is SO<sub>2</sub> monitored in air samples ?
11. What are the adverse effects of acid rain ?
12. What is eutrophication ?

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K20U 0094



13. What is meant by bioremediation ?

14. What are the benefits of liming the soil ?

(2×7=14)

(Answer any 4 questions. Each question carries 3 marks.)

15. What are the adverse effects of radiation pollution ?

16. What is meant by biomedical waste and E waste ?

17. Write a note on biomagnifications and bioaccumulation.

18. Give the control measures of thermal pollution.

19. Explain the sources and adverse effects of Hg and Pb.

20. Explain the formation of photochemical smog.

(4×3=12)

#### SECTION – D

(Answer any 2 questions. Each question carries 5 marks.)

21. Explain the sources of noise pollution. How can you control it ?

22. Give an account of soil pollution due to plastics and pesticides.

23. Discuss the causes and consequences of green house effect.

24. a) Write a note on water treatment methods.

(3)

b) How is hardness of water determined ?

(2)

(5×2=10)