



K18U 0088

Reg. No. : .....

Name : .....

VI Semester B.Sc. Degree (CBCSS – Reg./Supple./Imp.) Examination,  
May 2018

CORE COURSE IN CHEMISTRY

6B17 CHE (Elective-A) : Environmental Chemistry  
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

SECTION – A

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

1. What is the cause of minamata disease ?
2. What are the primary air pollutants ?
3. What is meant by ionising radiation ?
4. List any two green house gases.

(1×4=4)

SECTION – B

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

5. Explain the composition and temperature of various regions of atmosphere.
6. What are the benefits of liming the soil ?
7. What is meant by eutrophication ?
8. How is SO<sub>2</sub> and H<sub>2</sub>S measured in air sample ?
9. What are different sources of soil pollution ?
10. How is hearing loss prevented in industry ?

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11. What are the adverse effects of acid rain ?
12. What is meant by E1-nino phenomenon ?
13. How is hardness of water removed ?
14. What are the biological effects of radiation ? (2×7=14)

#### SECTION – C

Answer **any 4** questions. **Each** question carries **3** marks.

15. What are the adverse effects of noise pollution ?
16. Explain the term biomagnifications and bioaccumulation.
17. Write a note on green house effect.
18. What are the advantages and disadvantages of bioremediation ?
19. Explain hydrological cycle.
20. Explain the working of a wet scrubber. (4×3=12)

#### SECTION – D

Answer **any 2** questions. **Each** question carries **5** marks.

21. Explain the toxic effects of Cd, Hg, Cu and As. Explain the treatment methods.
22. Give an account of causes, consequences and control of ozone layer depletion.
23. a) Explain biomedical waste. 2  
b) Write a note on the radioactive waste management. 3
24. Discuss the soil pollution due to pesticides and its impact on the environment. (5×2=10)