



K17U 0334

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – Regular) Examination, May 2017
CORE COURSE IN CHEMISTRY
(2014 Admn.)
(Elective-A)

6B17 CHE :Environmental Chemistry

Time : 3 Hours

Marks: 40

SECTION – A

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

1. What is the cause of itai-itai disease ?
2. What are the environmental segments ?
3. Give the range of sound detectable by man.
4. List any four air pollutants.

(1×4 =4 Marks)

SECTION – B

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

5. Explain the toxic effects of As and Cu.
6. What are the components of soil ?
7. What is the effect of soil acidification on plants ?
8. How is noise measured ?
9. What are the consequences of pesticide pollution ?
10. How are CO and NO monitored ?
11. What are the adverse effects of acid rain ?

P.T.O.



- 12. What is meant by sewage analysis ?
- 13. How is permanent hardness removed ?
- 14. What are the biological effects of radiation ?

(2×7 =14 Marks)

SECTION – C

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

- 15. What are the consequences of ozone layer depletion ?
- 16. What is meant by soil formation ? What are the factors influencing it ?
- 17. Write a note on the municipal solid waste management.
- 18. Give the control measures of thermal pollution.
- 19. Explain any two control devices of air pollution.
- 20. Explain the formation of photochemical smog.

(4×3 =12 Marks)

SECTION – D

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

- 21. Explain the cause consequences and control measures of green house effect.
- 22. Give an account of biomedical waste and e-waste.
- 23. a) Explain bioremediation. 3
b) Give the biological effects of noise pollution. 2
- 24. a) Explain the determination of COD and BOD. 3
b) What are the BIS standards of drinking water ? 2

(5×2 =10 Marks)