



K19U 0089

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Reg./Supple./Improv.) Examination, April 2019
(2014 Admission Onwards)
CORE COURSE IN CHEMISTRY
6B17 CHE-A : Environmental Chemistry

Time : 3 Hours

Max. Marks : 40

SECTION – A

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

1. What is a pollutant ?
2. What are the environmental segments?
3. What is the cause of temporary hardness ?
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 are the components of soil ?
7. What is D O ? What is its significance ?
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 ?
12. What is e waste ?
13. Explain domestic water treatment.
14. What are the biological effects of radiation ?

(2×7=14)

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SECTION – C

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

15. What are the adverse effects of noise pollution ?
16. What is meant by soil formation ? What are the factors influencing it ?
17. Write a note on biomagnifications and bioaccumulation.
18. Give the control measures of radiation pollution.
19. Explain hydrological cycle.
20. Explain the formation of photochemical smog. (3×4=12)

SECTION – D

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

21. Explain the sources and consequences of heavy metal poisoning.
 22. a) Give an account of municipal solid waste management. 3
b) Explain bioremediation. 2
 23. a) What are the major air pollutants ? 1
b) Give the control measures of air pollution. 4
 24. a) Explain thermal pollution. 3
b) How is hardness of water determined ? 2
- (5×2=10)