



K25U 0122

Reg. No. :

Name :

Sixth Semester B.Sc. Degree (C.B.C.S.S.-OBE – Regular/Supplementary/
Improvement) Examination, April 2025
(2019 to 2022 Admissions)

DISCIPLINE SPECIFIC ELECTIVE IN CHEMISTRY/POLYMER CHEMISTRY
6B17CHE/PCH-A : Environmental Chemistry

Time : 3 Hours

Max. Marks : 40

SECTION – A

Very short answer type. **Each** question carries 1 mark. Answer **all 4** questions.

(4×1=4)

1. Mention the segments of the environment.
2. Define Pollution and Pollutant.
3. How can we remove the temporary hardness of water ?
4. What is solid waste ?

SECTION – B

Short answer type. **Each** question carries 2 marks. Answer 7 questions out of 10.

(7×2=14)

5. Explain in detail about hydrological cycle.
6. Explain green house effect.
7. Discuss any one air pollution control measure.
8. What is BOD ? Explain its significance.
9. What is meant by dumping of solid waste ?
10. What are the different types of E-waste ?
11. Name some methods of solid waste disposal.
12. What are the advantages of composting ?

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13. Define noise and noise pollution.
14. List the types of radiations from radioactive substances.

SECTION – C

Short essay/problem type. **Each** question carries 3 marks. Answer 4 questions out of 6.

(4×3=12)

15. Write an account on the toxic effect and treatment of Pb and As.
16. Write note on alternate refrigerants.
17. Explain acid rain and its effects.
18. Discuss the different sources of water pollution.
19. Explain in detail (i) biomagnification and (ii) bioaccumulation.
20. Discuss the effects of noise pollution in humans.

SECTION – D

Long essay type. **Each** question carries 5 marks. Answer 2 questions out of 4.

(2×5=10)

21. What are the sources of air pollution and how can we reduce it ?
22. How the quality of drinking water is assessed ? Define any three water quality parameters.
23. What is meant by E-waste ? Explain the effect of E-waste on human health and E-waste management.
24. Explain the radioactive pollution with reference to their source, effect and control measures.