



K22U 0377

Reg. No. : .....

Name : .....

VI Semester B.Sc. Degree (CBCSS – OBE – Regular) Examination, April 2022  
(2019 Admission)

CORE COURSE IN CHEMISTRY/POLYMER CHEMISTRY  
Discipline Specific Elective

6B17CHE/PCH-A : Environmental Chemistry

Time : 3 Hours

Max. Marks : 40

**Instruction :** Answer the questions in **English** only.

## SECTION – A

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

1. Name 2 manmade sources of radioactive pollution.
2. The lowermost layer of atmosphere is the \_\_\_\_\_
3. The Itai Itai disease is caused by \_\_\_\_\_ poisoning.
4. The hardness of water is due to \_\_\_\_\_

(4×1=4)

## SECTION – B

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

5. What is an air pollutant ? Name 2 gaseous air pollutants.
6. How is DO in water expressed ? What happens when DO falls very low ?
7. What is El Nino phenomenon ? Why does El Nino occur ?
8. Explain any two methods for the control of soil pollution.
9. Mention 2 adverse effects of thermal pollution.
10. Discuss the working of wet scrubber.
11. Explain the term acid rain.

P.T.O.

K22U 0377



12. Briefly discuss the biological effects of radiation.
13. What is meant by global warming ? What is the most significant cause of global warming ?
14. Write a note on alternate refrigerants.

(7×2=14)

## SECTION – C

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

15. Explain hydrological cycle.
16. Write a short note on Bhopal gas tragedy.
17. What is eutrophication ? What are its adverse consequences ?
18. Discuss the sources and control measures of noise pollution.
19. Write a short note on the quality of drinking water with special reference to the Indian standards.
20. Briefly discuss the classification of solid wastes.

(4×3=12)

## SECTION – D

(Long Essay type. **Each** carries 5 marks. Answer 2 questions out of 4.)

21. Discuss the importance of ozone layer. Comment on the consequence of ozone depletion.
22. What are electronic wastes ? Describe the methods used for the disposal of e-waste.
23. Distinguish between COD and BOD of a water sample. Explain what their values of a sample signify.
24. Discuss the air pollution caused by oxides of N and S.

(2×5=10)