

**BACHELOR OF SCIENCE (CBCS-2018 COURSE)**  
**T. Y. B. Sc. Sem-V : WINTER :- 2021**  
**SUBJECT: CHEMISTRY : ENVIRONMENT CHEMISTRY-I**

**Day : Tuesday**  
**Date 1/2/2022**

**W-18449-2021**

**Time : 02:00 PM-05:00 PM**  
**Max. Marks: 60**

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
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**Q.1** Attempt **ANY TWO** of the following : **(12)**

- a) Explain in brief Organic Pollutants.
- b) Explain photochemical smog and its harmful effects on human health.
- c) Define Atmosphere and state its compositions.

**Q.2** Attempt **ANY TWO** of the following : **(12)**

- a) Write a note on Thermal Pollution with its figure.
- b) Explain source and controls of CO.
- c) Explain Global Warming.

**Q.3** Attempt **ANY TWO** of the following : **(12)**

- a) Define and explain the following terms :  
i) pH    ii) COD    c) BOD
- b) Explain in detail the main sources of Air Pollution.
- c) Describe in detail control measures of Global Green House Effect.

**Q.4** Attempt **ANY THREE** of the following : **(12)**

- a) Write a note on Physical Chemistry of Sea Water.
- b) Explain Bhopal Disaster.
- c) What is Eutrophication?
- d) Describe in detail Hydrologic Cycle.

**Q.5** Attempt **ANY FOUR** of the following : **(12)**

- a) Write a note on Oil Pollution.
- b) Describe in detail Detergents.
- c) State the principal instrumental techniques for monitoring air pollution.
- d) Write a note on Ozone Depletion.
- e) Write a note on Mesosphere and Stratosphere.

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