

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
T. Y. B. Sc. Sem-V : WINTER- 2022
SUBJECT : CHEMISTRY : ENVIRONMENT CHEMISTRY-I

Day : Monday

Time : 02:00 PM-05:00 PM

Date : 19-12-2022

W-18449-2022

Max. Marks : 60

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) What are Water Pollutants and state its classification?
- b) Explain in brief Primary Pollutants in Air Pollution.
- c) Explain Atmospheric Structure.

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

- a) Write a note on Trace elements in water.
- b) Explain sources and control of SO_x Pollution.
- c) Explain Greenhouse Effect.

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

- a) Define and explain the following terms :
i) pH ii) COD iii) BOD
- b) Write a note on Acid Rain.
- c) Explain EL Nino phenomenon and its effects.

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

- a) Write a note on The Hydrologic Cycle.
- b) Explain Chernobyl Disaster.
- c) What is Sediments?
- d) Write a note on Evolution of Atmosphere.

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

- a) Explain Marine Pollution.
- b) Write a note on Pesticides.
- c) State the principal instrumental techniques for monitoring Air Pollutants.
- d) Explain Earth's Radiation Balance.
- e) Write a note on Troposphere.
