



Attempt this Paper on this Question Sheet only.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Signature of Supdt.:

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

- i) Oil spillage is the cause of
- Air Pollution
 - Soil Pollution
 - Water Pollution
 - None of these
- ii) The major ingredient of the Photochemical smog is
- SO₂
 - NO_x
 - O₃
 - Both (b) and (c)
- iii) The Temporary hardness is caused by
- Addition of CaCO₃ to distilled
 - Addition of Ca(HCO₃)₂ to distilled water
 - Both (a) and (b)
 - None of these
- iv) Ozone layer is present in
- Troposphere
 - Stratosphere
 - Mesosphere
 - Thermosphere
- v) As suggested by EPA, permissible value of COD in wastewater is
- Upto 80mg/L
 - Upto 100mg/L
 - Upto 150mg/L
 - Upto 180mg/L

vi) Detergents contain the

- a) Surfactant
- b) Additive
- c) Builder
- d) All of these

vii) Aluminum toxicity in Marine Life can be considered as a side effect of

- a) Smog
- b) Aerosols
- c) Acid Rain
- d) Global Warming

viii) CFCs are considered as EVIL FOR OZONE due

- a) Its stability in Troposphere
- b) Its photochemistry in Troposphere
- c) Its stability in Stratosphere
- d) Its Photochemistry in Stratosphere

ix) Pesticides have been used to eradicate following diseases except

- a) Malaria
- b) Tuberculosis
- c) Sleeping Sickness
- d) Yellow Fever

x) All of the following are heavy metals except

- a) Magnesium
- b) Cobalt
- c) Copper
- d) .lead



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers of the following:

(10x2=20)

- i. What do you mean by the term Bio-amplification?
- ii. How methane is transferred in air?
- iii. Why it is important to measure BOD of water?
- iv. Explain physical and chemical effects of aerosols.
- v. Excess use of fertilizers is a threat to marine life. Justify.
- vi. Define Green Chemistry. Give its significance
- vii. How Ozone hole is created?
- viii. Describe two Indoor Air Pollutants.
- ix. What is Environmental Management System?
- x. How Acid Rain affects the Building Materials?

Q.3. Answer the following questions.

(6x5=30)

- a) Give the mechanism of Green House and Enhanced Green House effect.
- b) How Heavy metals contribute water pollution?
- c) How Nitrogen Circulates in the Environment?
- d) What is Photochemical Smog? How it is formed? Give its detrimental effects
- e) What are Pesticides? Give their classification and harmful effects.
- f) Give environmental consequences related to fossil fuel burning.