



**DELHI PUBLIC SCHOOL NEWTOWN**  
**SESSION 2022-23**  
**MONDAY TEST**

**CLASS: IX**  
**SUBJECT: ENVIRONMENTAL SCIENCE**

**FULL MARKS: 40**  
**DATE: 19.12.2022**

**General Instructions:**

- Answers should be to the point.
- Copy the question number carefully before answering the questions.
- Marks will be deducted for spelling errors.
- The paper consists of *two* printed pages.

**SECTION A (20 Marks)**

**QUESTION 1**

Choose the correct option from the following:

[1X6=6]

- a) Excessive exposure to ultraviolet radiation causes
  - i. Inflammation of liver
  - ii. Cancer of skin
  - iii. Damage to the lungs
  - iv. Jaundice
- b) Smoke, fumes, ash, dust, nitric oxide and sulphur dioxide are the main sources of
  - i. Primary pollutants
  - ii. Secondary pollutants
  - iii. Bio-degradable pollutants
  - iv. None of the above
- c) The ozone layer depletion is found in
  - i. Ionosphere
  - ii. Lithosphere
  - iii. Troposphere
  - iv. Stratosphere
- d) When the organic matter present in the sanitary landfill decomposes, it generates
  - i. Methane
  - ii. Nitrogen
  - iii. Hydrogen
  - iv. All of the above
- e) Full form of SPM is
  - i. Suspended Particles Monitoring
  - ii. Sulphur Pollution Measurement

- iii. Serious Pollution Measures
  - iv. Suspended Particulate Matter
- f) A gas when inhaled blocks the transport of oxygen to the brain, heart and other vital organs in the body
- i. Oxygen
  - ii. Nitrogen
  - iii. Carbon monoxide
  - iv. Carbon dioxide

## **QUESTION 2**

**Answer the following in brief:**

**[2×7=14]**

- a) How is benzene harmful to humans?
- b) Expand the following
  - i. DMS
  - ii. VOC
- c) How does acid rain affect the animal population?
- d) Coastal areas are greatly affected by global warming. Justify.
- e) Differentiate between primary and secondary pollutants citing examples for each.
- f) How is Ozone layer useful? Who first discovered the ozone hole?
- g) State any two anthropogenic causes of air pollution.

## **SECTION B (20 Marks)**

### **QUESTION 3**

**[5+5=10]**

- a) What are aerosols? Mention any four ill effects of aerosols in the environment.
- b) Explain any five causes of Green House Effect.

### **QUESTION 4**

**[5+5=10]**

- a) What is the cause behind thermal inversion? Explain the ill effects due to thermal inversion.
- b) Write a note on Bhopal Gas Tragedy.