



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.