



**DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2023-24
MONDAY TEST**

**CLASS: IX
SUBJECT: ENVIRONMENTAL APPLICATIONS**

**FULL MARKS: 40
DATE: 19.05.23**

General Instructions:

- All questions are compulsory.
- 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 *three* printed pages.

SECTION A(20 Marks)

QUESTION 1

Choose the correct option from the following: [1×10=10]

1. Find the odd one out from the following nutrients
 - a) Selenium
 - b) Carbon
 - c) Zinc
 - d) Silicon
2. Most of the global warming is due to the perturbation of which of these cycles?
 - a) Global water cycle
 - b) Global nitrogen cycle
 - c) Global carbon cycle
 - d) All of these cycles equally contribute
3. In a food chain decomposers are also called as
 - a) Producers
 - b) Primary consumers
 - c) Secondary consumers
 - d) Recyclers
4. There are three types of heterotrophs. Which of the following is NOT one of them?
 - a) Consumers
 - b) Carnivores
 - c) Omnivores
 - d) Herbivores
5. Urbanization is the result of
 - a) educational development
 - b) rural development
 - c) migration of population from villages to cities
 - d) agricultural development

6. The main contributors of acid rain are
- sulphur oxides and carbon oxides
 - nitrogen oxides and sulphur oxides
 - carbon dioxide and carbon monoxide
 - nitrogen oxides and carbon oxides
7. A group of organisms that actually or potentially are capable of interbreeding in nature is called _____
- Species
 - Community
 - Population
 - Ecosystem
8. Water pollution has become a major problem in the world today. It has an adverse effect on both environment and health. What are the main sources of water pollution in cities?
- Municipal sewage
 - Bathing
 - Industrial discharge
 - Both a and c
9. Which is not a major cause of deforestation?
- Shifting cultivation
 - Collection of non timber forest products
 - Fuel requirements
 - Raw materials for industries
10. The phenomenon of marble cancer is due to
- Soot
 - CFC
 - Fog
 - Acid rain

QUESTION 2

- How is deforestation related to landslides and climate change? [2]
- What is the significance of Vanmahotsav? Who first initiated it? [2]
- Why do you think warfare have devastating effect on the environment? [3]
- Differentiate between Grazing and Detrital web, citing example of food chain in each case. [3]

SECTION B(20 Marks)

QUESTION 3

- Draw and explain the organizational chart from organism to biosphere and explain it. [5]

- b) Write a short note on Chipko Movement highlighting the cause, achievements and leaders associated. [5]

QUESTION 4

- a) How does Carbon cycle operate in nature? Mention any two anthropogenic activities that disrupt the said cycle. [5]
- b) Population growth is a menace to the society and environment. Comment. [5]