



**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
  - a) sulphur oxides and carbon oxides
  - b) nitrogen oxides and sulphur oxides
  - c) carbon dioxide and carbon monoxide
  - d) nitrogen oxides and carbon oxides
7. A group of organisms that actually or potentially are capable of interbreeding in nature is called \_\_\_\_\_
  - a) Species
  - b) Community
  - c) Population
  - d) 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?
  - a) Municipal sewage
  - b) Bathing
  - c) Industrial discharge
  - d) Both a and c
9. Which is not a major cause of deforestation?
  - a) Shifting cultivation
  - b) Collection of non timber forest products
  - c) Fuel requirements
  - d) Raw materials for industries
10. The phenomenon of marble cancer is due to
  - a) Soot
  - b) CFC
  - c) Fog
  - d) Acid rain

## **QUESTION 2**

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

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

## **QUESTION 3**

- a) 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]