



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2023-24
MONDAY TEST

CLASS: IX
SUBJECT: ENVIRONMENTAL SCIENCE

FULL MARKS: 40
DATE: 19.06.2023

General Instructions:

- The paper consists of two printed pages.
- Answers should be to the point.
- Copy the question number carefully before answering the questions.

SECTION A (20 Marks)

QUESTION 1

[1×8=8]

Choose the correct answer from the given options:

- a. Which of the following is a ODS?
 - i. Methane
 - ii. Carbon monoxide
 - iii. CFC
 - iv. Sulphur dioxide
- b. Edaphic factors include
 - i. light
 - ii. soil
 - iii. wind
 - iv. humidity
- c. The law of tolerance was proposed by
 - i. Robert Hooke
 - ii. M.S Swaminathan
 - iii. Victor Shelford
 - iv. Thomas Malthus
- d. Zooplanktons are
 - i. Producers
 - ii. Consumers
 - iii. Decomposers
 - iv. Scavengers
- e. What percentage of the weight of an organism is made up of water?
 - i. 50
 - ii. 90
 - iii. 20
 - iv. 70

- f. Ticks are examples of
 - i. Ectoparasite
 - ii. Scavenger
 - iii. Endoparasite
 - iv. Decomposer
- g. The root cause of all environmental problem is
 - i. Overpopulation
 - ii. Overfishing
 - iii. Overmining
 - iv. Overconsumption
- h. Phoresy is a type of
 - i. Commensalism
 - ii. Parasitism
 - iii. Mutualism
 - iv. Co evolution

QUESTION 2

[2×6=12]

- a. What is bioaccumulation?
- b. What is ocean acidification? How does it affect marine organisms?
- c. State the difference between habitat and niche.
- d. How does man disrupt the nitrogen cycle?
- e. Who are the producers in the ecosystem? Why are they called so?
- f. Explain dispersive mutualism. Give an example.

SECTION B (20 Marks)

QUESTION 3

- a. Write the characteristics of a sustainable society. [5]
- b. What are the causes of extinction of species? [5]

QUESTION 4

- a. Draw and describe the carbon cycle. [5]
- b. Define food chain. Draw a three step food chain. How is it different from a food web? [5]