



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2022-2023
FINAL EXAMINATION

CLASS: IX
SUBJECT: ENVIRONMENTAL SCIENCE

FULL MARKS:80
TIME:2 HOURS

*Answers to this Paper must be written on the paper provided separately.
You will not be allowed to write during the first 15 minutes.
This time is to be spent in reading the Question Paper.
The time given at the head of this Paper is the time allowed for writing the answers.*

*Attempt all questions from Section A and any four questions from Section B
The intended marks for questions or parts of questions are given in brackets [].
This question paper consists of four printed pages.*

SECTION A (40 Marks)

Attempt all questions from this Section

Question 1

Choose the correct answer and write the correct option.

[16]

- i. What was the reason behind organization of International Earth Summit?
 - a) To discuss problems of Environmental Protection.
 - b) To discuss problems of Socio-Economic Development.
 - c) Both of these
 - d) None of these
- ii. First International Earth Summit was organized on
 - a) 1995, Minas Gerais in Brazil
 - b) 1992, Rio de Janeiro in Brazil
 - c) 1993, Rio Grande do Sul in Brazil
 - d) 1994, Brasilia in Brazil
- iii. Agenda 21 was adopted for
 - a) Achieving Sustainable Development in the 21st Century
 - b) Achieving Economic Development in the 21st Century
 - c) Increasing Globalization in the World
 - d) Increasing Social Development in the 21st Century.
- iv. The Montreal Protocol is an international treaty designed to protect the
 - a) Food Chain
 - b) Ozone layer depletion
 - c) Global warming
 - d) Earth from hazardous wastes.

- v. **DDT and Aluminium cans are examples of**
 - a) **Primary pollutants**
 - b) **Secondary pollutants**
 - c) **Biodegradable Pollutants**
 - d) **Non-biodegradable Pollutants**
- vi. **Excessive exposure to UV ray causes**
 - a) **Inflammation of liver**
 - b) **Cancer of skin**
 - c) **Damage to the lungs**
 - d) **Jaundice**
- vii. **Ecological sustainability is achieved by**
 - a) **Increased energy consumption**
 - b) **Increased waste generation**
 - c) **Waste reduction and Fuel efficiency**
 - d) **Slow and inefficient transport**
- viii. **People living in slums have**
 - a) **Good health care and civic amenities**
 - b) **Good health care but poor sanitation**
 - c) **Poor health care and sanitation**
 - d) **Good health care and sanitation**
- ix. **Land use planning purpose is to**
 - a) **Use of land and reduce its quality**
 - b) **Avoid misuse of land and enhance its quality**
 - c) **Use of land and enhance its degradation**
 - d) **Enhance land degradation and misuse of land**
- x. **Organisms of a higher trophic level which feed on several types of organisms belonging to a lower trophic level constitute the**
 - a) **food web**
 - b) **ecological pyramid**
 - c) **ecosystem**
 - d) **food chain**
- xi. **Which of the following organisms begins marine food chains?**
 - a) **Phytoplankton**
 - b) **Fishes**
 - c) **Zooplankton**
 - d) **Corals**
- xii. **Greenhouse effect is enhanced in the environment by the gas**
 - a) **Carbon dioxide**
 - b) **Carbon monoxide**
 - c) **Fluorocarbons**
 - d) **Nitrogen dioxide**
- xiii. **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**

- xiv. Which one of the following can cause thermal pollution?
 - a) Residential houses
 - b) Power Plants
 - c) Death of marine organisms
 - d) Oil spill
- xv. In a food chain the second trophic level is occupied by:
 - a) Carnivores
 - b) Autotrophs
 - c) Herbivores
 - d) Producers
- xvi. Which is not responsible for extinction of many species of animals?
 - a) Deforestation
 - b) Poaching
 - c) Afforestation
 - d) Exotic Species

QUESTION 2

- a) Define crop rotation. Mention one advantage of the same. [2]
- b) What is poverty trap? [2]
- c) Give two effects of wind erosion. [2]
- d) Expand ODS. Give an example of ODS. [2]

QUESTION 3

- a) What is IPM? Mention any two methods of IPM. [2]
- b) What do you mean by social and political migration? [2]
- c) Expand OECD, MIC [2]
- d) What is El Nino? [2]

QUESTION 4

- a) What is Phytoremediation? How does it occur? [2]
- b) Differentiate between lentic and lotic ecosystems. Give example. [2]
- c) What is a food web? State its significance. [2]
- d) Write two causes of succession. [2]

SECTION –B [40 Marks]

Attempt any four questions from this section

QUESTION 5

- a) In spite of bringing food security and creating jobs, Green Revolution was a failure. Comment. [5]
- b) Define Push factors and Pull factors. What is their consequence? Explain any two problems faced because of the consequence. [5]

QUESTION 6

- a) If you were a farmer, which techniques would you implement for farming in order to achieve sustainability? [5]
- b) State the factors on the basis of which poverty is measured. [5]

QUESTION 7

- a) State five solutions for land pollution. [5]
- b) What are the impacts of deforestation? [5]

QUESTION 8

- a) Mention the adverse effect of ozone depletion on health and environment. [5]
- b) What is acid rain? Write its ill effects on the ecosystem. [5]

QUESTION 9

- a) What are aerosols? How many types of aerosols are there? Explain. [5]
- b) What are the causes of land pollution? [5]

QUESTION 10

- a) Mention the threats to river ecosystem. [5]
- b) What is mutualism? What are its different types? Give an example. [5]