



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2023-24
MONDAY TEST

CLASS: IX
SUBJECT: ENVIRONMENTAL APPLICATIONS

FULL MARKS:40
DATE: 13.10.23

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. A greenhouse gas produced in landfill is
 - a) Water Vapour
 - b) Hydrogen
 - c) Methane
 - d) Nitrogen
2. 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
3. It is difficult to recycle plastics because
 - a) it is hard
 - b) it comes in different sizes
 - c) it is adhesive in nature
 - d) it contains different types of polymer resins
4. In the question given below, there are two statements marked as Assertion (A) and Reason (R).
Read the Statements and choose the correct option.
Assertion (A): Poverty is only about income levels.
Reason (R): Poverty also involves deprivation of basic needs such as food, water, shelter and education.
The options are
 - a) Both (A) and (R) are true and (R) is the correct explanation of (A).
 - b) Both (A) and (R) are true and (R) is not the correct explanation of (A).
 - c) (A) is correct but (R) is wrong.
 - d) (A) is wrong but (R) is correct.
5. Which is not a cause for resource depletion?
 - a) Sustainable living
 - b) Lavish lifestyle
 - c) Unsustainable use of resource
 - d) Technological and industrial growth

6. Leachate is
- a solid waste
 - a foul odoured orange coloured foggy liquid coming out of garbage dump
 - sewage
 - effluent
7. What is the aim of the following?



- Controlling movement of hazardous waste
 - Restricting movement of waste
 - Analysis of waste
 - Characterisation of waste
8. What is the composition of Gasohol?
- 40% Ethanol and 60% Gasoline
 - 20% Ethanol and 80% Gasoline
 - 10% Ethanol and 90% Gasoline
 - 50% Ethanol and 50% Gasoline
9. Which of the following is a characteristic of people below poverty line?
- Debt trap
 - Gender inequality
 - Poor health
 - All of the above
10. What is the hazardous pollutant released from batteries?
- Arsenic
 - Barium
 - Cadmium
 - Cobalt

QUESTION 2

- Why are radioactive wastes considered hazardous? [2]
- Resource depletion adversely affects ecological balance. Justify citing any two examples. [2]
- Give two reasons why construction wastes are harmful. Give two examples of the same. [3]
- Mention three causes for change in land use pattern. [3]

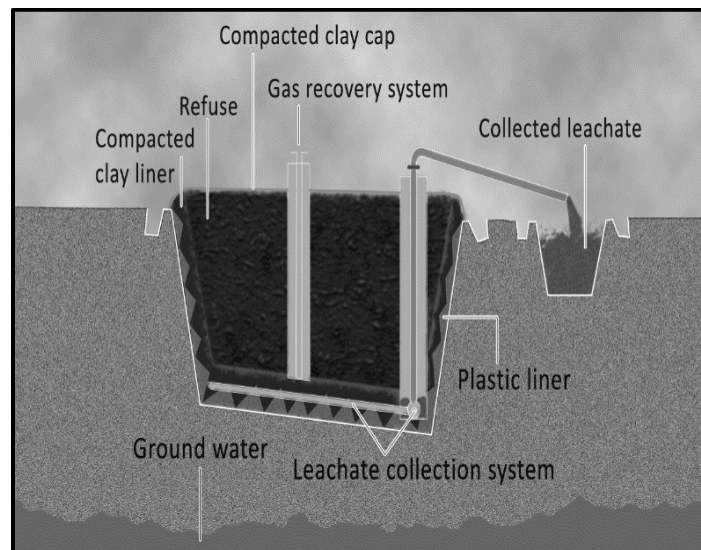
SECTION B (20 Marks)

QUESTION 3

- Draw the waste management hierarchy chart, mentioning the most favoured and the least favoured options. [5]
- Explain how poverty and environmental degradation are interrelated. [5]

QUESTION 4

a) Study the picture given below and answer the question that follow:



Identify the above method of waste disposal. How is it a better option than open dumping? [5]

b) Water crisis in India affects nearly hundreds of millions of people each year and extensively affects the ecosystem and agriculture. In this regard, mention the various water related issues faced by India. [5]