

**Greenlawns High School**  
**Preliminary Examination 2024-25**  
**Subject: Environmental Science**

**Std: X**

**Date: 06/01/2025**

**Time: 2 Hours**

**Marks: 80**

- Answers to this Paper must be written on the paper provided separately.
- You will not be allowed to write during 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.
- Section A is compulsory. Attempt any four questions from Section B.

**SECTION A**

(Attempt all questions from this Section.)

**Q.1 Choose the correct answers to the questions from the given options:(16)**  
**(Write the correct option and the corresponding answer)**

i) The paper trimmings and other paper scrap from the manufacture stage of paper is known as \_\_\_\_\_.

- |                        |                       |
|------------------------|-----------------------|
| a) Mill broke          | b) Pre-consumer waste |
| c) Post-consumer waste | d) Waste paper.       |

ii) Which of the following agreement was signed by different countries to reduce emission of greenhouse gases?

- |                    |                      |
|--------------------|----------------------|
| a) Rio declaration | b) Montreal Protocol |
| c) Kyoto treaty    | d) Forest Principle  |

iii) Giant Tortoise is classified under \_\_\_\_\_.

- |                       |                       |
|-----------------------|-----------------------|
| a) Extinct Species    | b) Vulnerable species |
| c) Endangered species | d) Rare species       |

iv) The crop residue left after harvesting is buried under the soil and is known as \_\_\_\_\_.

- |                    |                     |
|--------------------|---------------------|
| a) Bio fertilizers | b) Farm yard manure |
| c) Organic manure  | d) Green manure     |

v) In catalytic converter, the catalyst is in form of \_\_\_\_\_.

- |                           |                             |
|---------------------------|-----------------------------|
| a) Platinum and Potassium | b) Palladium and Potassium  |
| c) Platinum and Palladium | d) Platinum and Phosphorus. |

vi) Select the correct order for the following.

- I. Recycling of waste
- II. Segregation of waste
- III. Waste disposal
- IV. Collection of waste

- a) II, IV, I, III
- b) I, II, III, IV
- c) II, I, IV, III
- d) III, II, IV, I

vii) Which of the following crop is genetically modified to improve its nutritional content?

- a) BT Corn
- b) GE Sweet Potato
- c) Golden Rice
- d) BT Brinjal

viii) Which of the following air pollution control devices is used to control acidic gases?

- a) Cyclone filter
- b) Wet Scrubber
- c) Electrostatic Precipitator
- d) Bag filter

ix) Tarun Bharat Sangh in Rajasthan is currently directed by \_\_\_\_\_.

- a) Anna Hazare
- b) Rajendra Singh
- c) P.R. Mishra
- d) Amrita Devi

x) In which of the following methods, trees or shrubs are planted at right angle to prevailing Wind?

- a) Strip farming
- b) Check dams
- c) Basin listing
- d) Wind breaks

xi) FAO stands for \_\_\_\_\_.

- a) Farm Agriculture Organisation of the United Nation
- b) Fast Agriculture Organisation of the United Nation.
- c) Food Agriculture Organisation of the United Nation.
- d) False Agriculture Organisation of the United Nation.

xii) Assertion (A): Compared to 2017, The number of people aged 60 and above are expected to be more than double by 2050.

Reason (R): Reduction in fertility level.

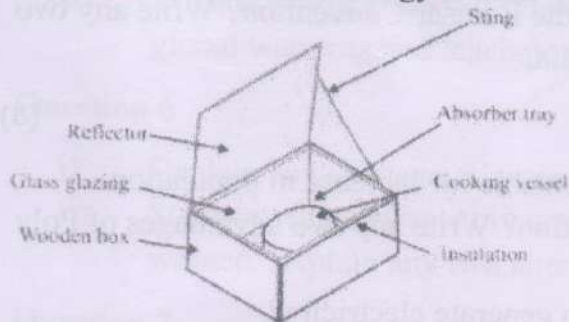
- a) A is true, R is false
- b) A is false, R is true
- c) A and R both are true
- d) A and R both are false



xiii) In which of the following zones of biosphere reserve, research and training activities can be conducted?

- a) Core zone
- b) Buffer zone
- c) Transition zone
- d) Natural zone

xiv) Which form of the energy is used in the following device?



- a) Wind energy
- b) Hydro energy
- c) Tidal energy
- d) Solar energy

xv) Select the correct pairs for the following

National Parks	Famous for
A. Sunderban	1. Leopard
B. Jim Corbet	2. Barasingha Deer
C. Kaziranga	3. Bengal Tiger
D. Kanha	4. Rhinoceros

- a) A-1 B-2 C-3 D-4
- b) A-2 B-4 C-1 D-3
- c) A-2 B-3 C-4 D-1
- d) A-3 B-1 C-4 D-2

xvi) Assertion (A): Automobile engine may not be able to use biodiesel at low temperature.

Reason (R): Biodiesel is less viscous than fossil diesel.

- a) A is true, R is false
- b) A is false, R is true
- c) A and R both are true
- d) A and R both are false

**Question 2** (8)

- i) Write any two initiatives that can be taken to reduce damage to Taj Mahal.
- ii) What is sewage sludge? Write any one advantage of sewage sludge.
- iii) Write any four causes of overgrazing.
- iv) What is the Rationale behind the Ramsar Convention? Write any two prominent Ramsar Sites in India.

**Question 3** (8)

- i) Explain any four factors responsible for increase in population.
- ii) What is Poly Varietal Cultivation? Write any two advantages of Poly Varietal Cultivation.
- iii) How nuclear fission is used to generate electricity?
- iv) The use of biotechnology in agriculture is a potential environmental hazard. Justify the statement. (Any two points)

**Question 4** (8)

- i) Write any two personal initiatives that can be taken to reduce vehicular pollution.
- ii) Write any four advantages of Contour farming
- iii) Write any two measures that can be adapted to strengthen rural-urban linkage.
- iv) Define: Debt Trap. Write any two conditions put forward by the government of developing countries for multinational companies to fulfil, before their entry into market of developing countries.

## SECTION B

(Attempt any 4 questions from this Section.)

**Question 5** (10)

- i) How Biogas is produced? Write three advantages and three disadvantages of biogas.
- ii) What is sanitary landfill? How are sanitary landfills responsible for global warming and leachate generation?

**Question 6** (10)

- i) Explain any six vegetative practices of soil management.
- ii) State any three effects of burning fuel wood on the health of rural women. Explain any two alternatives to fuel wood.

**Question 7** (10)

- i) Explain any six advantages of Remote sensing Satellites.
- ii) What is energy plantation? Write any five characteristics of plants that can be used for energy plantation.

**Question 8** (10)

- i) What is ex-situ conservation of wild life? Write five advantages of captive breeding.
- ii) Explain the steps that can be taken to develop secondary cities to stop the migration to the cities.

**Question 9** (10)

- i) What is Trickle drip irrigation? Write two advantages and two disadvantages of trickle drip irrigation.
- ii) Explain briefly about women centred human development for controlling population.

**Question 10** (10)

- i) How do multinational companies cause environmental degradation in the developing countries? (Six points)
  - ii) What is Asia Brown Haze? How it is caused? (Two points) Write any two effects of Asia brown Haze.
-