

Greenlawns High School
Final Examination 2026
Subject: Environmental Science

Std: IX

Date: 09/03/2026

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 10 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.)

Question.1

Choose the correct answers to the questions from the given options: (16)

(Write the correct option and the corresponding answer)

i) Which day is celebrated as International day for eradication of Poverty?

- a) 17 October b) 17 June c) 17 August d) 17 September

ii) Which of the following best describes the greenhouse effect?

- a) The warming of the Earth caused by heat released from the Sun
b) The increase in temperature due to volcanic eruptions
c) The cooling of the Earth due to reflection of sunlight by clouds
d) The trapping of heat in the Earth's atmosphere by greenhouse gases

iii) Why did the Green Revolution lead to salinization of soil in some regions?

- a) Use of organic manure increased
b) Cultivation of water-intensive crops using deep groundwater in unsuitable areas
c) Reduction in irrigation facilities
d) Shift to rain-fed agriculture

iv) A coastal country is experiencing frequent floods, reduced crop yield, increased spread of vector-borne diseases, and loss of biodiversity over the last two decades.

Which sequence best explains how the enhanced greenhouse effect leads to these conditions?

- a) Increase in greenhouse gases → ozone depletion → rise in UV radiation → crop failure

- b) Increase in greenhouse gases → acid rain → soil erosion → extinction of species
- c) Increase in greenhouse gases → rise in global temperature → climate change → floods, diseases, and reduced agriculture
- d) Increase in greenhouse gases → increased rainfall only → agricultural growth

v) Which of the following best explains why chlorofluorocarbons (CFCs) cause depletion of the ozone layer?

- a) CFCs directly absorb ultraviolet radiation in the atmosphere
- b) CFCs release chlorine atoms under UV radiation, which destroy ozone molecules
- c) CFCs react with nitrogen to form acidic compounds
- d) CFCs increase oxygen concentration in the stratosphere

vi) Third World countries are often described as _____

- a) developing and northern countries.
- b) developed and northern countries.
- c) developing and southern countries.
- d) developed and southern countries.

vii) A hilly region experiences frequent landslides after large-scale removal of trees for road construction.

Which human activity is mainly responsible for increasing soil erosion in this situation?

- a) Overgrazing of cattle
- b) Clearance of slopes
- c) Use of chemical fertilizers
- d) Flooding of rivers

viii) Assertion (A): People living in slums often lack access to basic amenities like water, sanitation, and electricity.

Reason (R): Slum settlements usually develop without proper planning and infrastructure.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true but R is not the correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

ix) In an arid region, strong winds often carry away dry, loose soil particles, reducing soil fertility.

Which natural process is responsible for this type of soil erosion?

- a) Gully erosion
- b) Bank erosion
- c) Wind erosion
- d) Shoreline erosion

x) Fuel wood usually relates to timber or trees that are:

- a) Rare and expensive
- b) Used for furniture

Question.3

- i) Write any four examples of greenhouse gases. (2)
- ii) What is the common method used to measure poverty? Explain Poverty line. (2)
- iii) Write two major reasons for development of informal sector. (2)
- iv) What is Green revolution? Who is known as Father of Green revolution? (2)

Question.4

- i) What do you mean by Social Forestry? (2)
- ii) How can food wastage be reduced? (2)
- iii) How does urbanization lead to loss of fertility of the agricultural land? (2)
- iv) How Environment and Poverty are related? (2)

SECTION B

(Attempt any 4 questions from this Section.)

Question.5

- i) Explain any six sources of Greenhouse gases. (5)
- ii) How does urbanization lead to pressure on the civic amenities? (5)

Question.6

- i) Why ultraviolet radiations are harmful for all living organisms? (5)
- ii) How use of chemical pesticides and fertilizers harmful to agro-ecology? (5)

Question.7

- i) Enumerate the effects of soil erosion. (5)
- ii) Explain any six causes of urbanization. (5)

Question.8

- i) Explain any five environmental damages due to large farm units. (5)
- ii) Explain five causes of Land pollution? (5)

Question.9

- i) What is monoculture? How is it advantageous as compare to traditional agriculture? (5)
 - ii) What steps can be taken to combat deforestation? (5)
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