

GREENLAWNS HIGH SCHOOL
SEMESTER II EXAMINATION
Environmental Studies
IX – 24/02/25

Maximum Marks: 80

Time allowed: Two hours

Answers to this Paper must be written on the paper provided separately.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all the questions from Section A. Attempt any four questions from Section B.

The intended marks for questions or parts of questions are given in brackets [].

SECTION A
(Attempt all questions)

Question 1

Choose the correct answers to the questions from the given options.
(Do not copy the question, Write the correct answer only.)

[16]

- (i) What are the primary factors that contribute to urbanisation?
 - (a) Industrialization and job opportunities in cities
 - (b) Agricultural advancements and rural development
 - (c) Natural disasters and migration to urban areas
 - (d) Government policies promoting urban growth

- (ii) 4. What is one of the significant manifestations of urbanisation in many cities?
 - (a) Growth of suburban areas
 - (b) Expansion of rural farmlands
 - (c) Development of green spaces
 - (d) Growth of slums

- (iii) Which sector experiences substantial growth due to urbanisation and lack of formal employment opportunities?
- (a) Government sector (b) Agriculture sector
(c) Informal sector (d) Industrial sector
- (iv) Which of the following is NOT a dimension used to measure the gap between developed and developing countries?
- (a) Per-capita incomes (b) Housing quality
(c) Access to education (d) Levels of disease and nutrition
- (v) Development indicators such as per-capita incomes are used to assess:
- (a) Environmental sustainability (b) Economic growth
(c) Political stability (d) Educational attainment
- (vi) The gap between developed and developing countries is evident in:
- (a) Uniform levels of poverty worldwide
(b) Similar access to healthcare facilities
(c) Disparities in living standards and income levels
(d) Equal distribution of natural resources
- (vii) What are the main causes of deforestation in the developing world?
- (a) Overpopulation and urbanization
(b) Land exploitation for cash crops
(c) Industrial pollution
(d) Climate change
- (viii) How does deforestation affect the climate?
- (a) It causes cooling of the atmosphere
(b) It leads to increased rainfall and flooding

- (c) It contributes to global warming and climate change
 - (d) It has no impact on the climate
- (ix) What is the primary cause of soil erosion?
- (a) Clearing of slopes
 - (b) Removal of vegetation
 - (c) Drought
 - (d) Heavy rainfall
- (x) Which process in the atmosphere involves the conversion of carbon dioxide into oxygen by plants?
- (a) Respiration
 - (b) Photosynthesis
 - (c) Combustion
 - (d) Evaporation
- (xi) The atmosphere is composed of several layers. Which layer is closest to the Earth's surface?
- (a) Troposphere
 - (b) Stratosphere
 - (c) Mesosphere
 - (d) Thermosphere
- (xii) What determines the climate of a region?
- (a) Distance from the equator
 - (b) Elevation above sea level
 - (c) Proximity to the ocean
 - (d) All of these
- (xiii) What are the sources of air pollution due to "domestic combustion"?
- (a) Industrial activities
 - (b) Burning of fossil fuels in power plants
 - (c) Emissions from vehicles
 - (d) Burning of fuels for cooking and heating in households
- (xiv) Which of the following is a major air pollutant responsible for "ozone depletion"?
- (a) Carbon monoxide
 - (b) Nitrogen oxides
 - (c) Chlorofluorocarbons (CFCs)
 - (d) Particulate matter

- (xv) Gaseous pollutants and particulate matter are classifications of air pollutants based on their:
- | | |
|--------------------|--------------------------|
| (a) Sources | (b) Size and composition |
| (c) Health effects | (d) Color and appearance |
- (xvi) What type of pollutant is "lead oxide"?
- | | |
|-------------------------|------------------------|
| (a) Gaseous pollutant | (b) Particulate matter |
| (c) Secondary pollutant | (d) Photochemical smog |

Question 2

- (i) What are natural sources of air pollution. Give 2 examples of the same [2]
- (ii) State any two human activities that cause global warming? [2]
- (iii) What is deforestation? Give 2 examples [2]
- (iv) Define Urbanization. [2]

Question 3

- (i) What is UN-Habitat? [2]
- (ii) Give two reasons why the third world neglects environment. [2]
- (iii) What is meant by overgrazing? [2]
- (iv) Write two effect of ultraviolet radiation. [2]

Question 4

- (i) What is meant by agro forestry? [2]
- (ii) What is Bhopal gas tragedy? Name the company responsible for this tragedy. [2]
- (iii) What are the effects of thermal inversion? [2]
- (iv) What is ozone? In which part of the atmosphere is it found. [2]

SECTION B

(Attempt any **four** questions from this section)

Question 5

- (i) Employment opportunities & social factors lead to migration. Explain. [5]
- (ii) Explain the non-monetary indicators of poverty. [5]

Question 6

- (i) Explain any five human activities that cause soil erosion [5]
- (ii) Write a short note on Montreal Protocol. [5]

Question 7

- (i) Write a note on photochemical smog in Mexico City. [5]
- (ii) What are the benefits of community forestry in India? [5]

Question 8

- (i) What steps can be taken to combat deforestation? [5]
- (ii) Explain the impact of air pollution. [5]

Question 9

- (i) Enumerate the five effects of land pollution. [5]
- (ii) Explain in brief pull and push factor? [5]

Question 10

- (i) Why does California experience thermal inversion? What are its effects? [5]
- (ii) Write 5 causes of deforestation. [5]