

GREENLAWNS SCHOOL, WORLI

TERMINAL EXAMINATION: 2025-26

ENVIRONMENTAL SCIENCE

Std: IX

Marks: 80

Date: 15/09/2025

Time: 2 hrs

Answers to this paper must be written on the paper provided separately. You will **not** be allowed to write during the first **10** minutes. This time is to be spent in reading the Question paper.

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]

(Do not copy the question, write the correct answers only.)

- (i) Maahir got shifted to New Zealand recently. The conditions that attract people to cities or a new country are known as:
 - a. Push factors
 - b. Pull factors
 - c. Biotic factors
 - d. Abiotic factors
- (ii) Micro-organisms added to the waste water in the form of flocculent suspension, breaking down organic matter into sludge are a part of:
 - a. Primary treatment
 - b. Secondary treatment
 - c. Tertiary treatment
 - d. All of these
- (iii) The Egyptian plover removing insect pests from the backs of buffalo, antelope, giraffes and rhinos benefit through:
 - a. Protocooperation
 - b. Commensalism
 - c. Mutualism
 - d. Competition
- (iv) The number of organisms of the same species living in a particular area at a particular time is called:
 - a. Community
 - b. Biome
 - c. Niche
 - d. Population
- (v) Which type of pollution can cause somatic and genetic variation in human beings?
 - a. Thermal
 - b. Nuclear
 - c. Soil
 - d. Water
- (vi) The state selected by the Indian Government to try the new crops before the onset of Green Revolution was:
 - a. Punjab
 - b. Gujarat
 - c. Rajasthan
 - d. Assam
- (vii) The artificial process of removing dissolved salts from seawater rendering it fit for human consumption is known as:
 - a. Afforestation
 - b. Desalination
 - c. Towing water
 - d. Rainwater harvesting

- (viii) Ramsar convention is an International treaty to save the:
 a. Tundra b. Estuaries c. Wetlands d. Taiga
- (ix) Following are the harmful effects of chemical pesticides except that:
 a. Chemicals seep into the water bodies and enter the food chain.
 b. Excess nitrates in drinking water causes cancer of stomach and oesophagus.
 c. They kill the natural enemies of the pests.
 d. Yields of primary crops such as rice and wheat increased dramatically.
- (x) Development of slums in urban boundaries to the outskirts of the cities are called:
 a. Sprawls b. Informal sector c. Rural centres d. Formal sector
- (xi) Which of the following statements about competition is false:
 a. It is an interaction between organisms or species, in which the fitness of one is lowered by the presence of another.
 b. There is competition for limited supply of at least one resource used by both the organisms.
 c. Competition among members of the same species is interspecific competition.
 d. Competition between individuals of different species is interspecific competition.
- (xii) Assertion: Desert animals are adapted to extreme climatic conditions.
Reason: The insects and arachnids have waxy coats and cuticles to reduce water loss
 a. A is true but R is false b. A is false but R is true.
 c. Both A & R are true and R explains A
 d. Both A & R are true but R does not explain A.
- (xiii) The underground water storage systems of rainwater harvesting as shown below is that of a:
 a. Johad b. Kund
 c. Eris d. Tanka



- (xiv) Match the following:

	Column I		Column II
A	Deforestation	i.	Depletion of resources
B	Population Growth	ii.	Loss of habitat for aquatic animals
C	Industrialization	iii.	Loss of biodiversity
D	Construction of dam	iv.	Air pollution

- a. A-ii, B-iii, C-i, D-iv b. A-iii, B-i, C-iv, D- ii
 c. A-iv, B-i, C-iii, D-ii d. A-iv, B-i, C-ii, D-iii

- (xv) One disadvantage of urbanization is that it leads to:
- High transportation facilities
 - More education opportunities
 - Overcrowding
 - High wages
- (xvi) Which of the following is not a sustainable development strategy?
- Using renewable energy
 - Using ecofriendly technology
 - Conserving natural resources
 - Infrastructure development

Question 2

- What is waste water treatment? List its two uses. [2]
- What do the flora and fauna of Taiga ecosystem consist of? [2]
- Why do slums develop? What are their demographic features? [2]
- Give two advantages of monoculture. [2]

Question 3

- Define sustainable development. [2]
- What are the hidden costs of large stock agriculture? [2]
- State two examples each of ectoparasites and endoparasites. [2]
- What are the features of Forest Ecosystem? [2]

Question 4

- What is UN-Habitat? State its mission. [2]
- How does soil pollution cause harm to the environment? [2]
- Give two causes of extinction. [2]
- Name two most common desalination processes. [2]

SECTION B

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

Question 5

- "Corals are the Rainforest of the sea". Explain the given statement. [5]
- Satyam has learnt about ecological niche in his class and wants to explore more. Can you help him by explaining what it means and what are its two types? Give an example while you do so. [5]

Question 6

- Enumerate the environmental damage caused due to large farm units. [5]
- Differentiate between the Predation and Commensalism with the help of two examples each. [5]

Question 7

- (i) Myra was reading a book on biodiversity where she came across a picture as given below. Observe the picture and answer the questions that follow:
- a. Identify the type of Ecosystem shown. [1]
 - b. What are the two types of this ecosystem? [1]
 - c. Mention three threats to this ecosystem. [3]

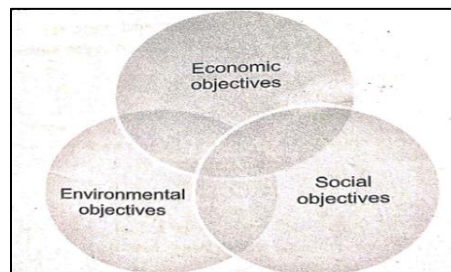


- (ii) Lisa visited Juhu Chowpatty during Ganapati festival. She observed a lot of dirty water, remains of garlands, idols and overall polluted water all around. Can you suggest the following: [5]
- a. Three effects of Ocean Pollution.
 - b. Two ways by which Ocean water can be prevented from getting polluted.

Question 8

- (i) Rishabh was studying for his examination and he was confused regarding the given picture. His sister saw him puzzled and tried to explain him the following:

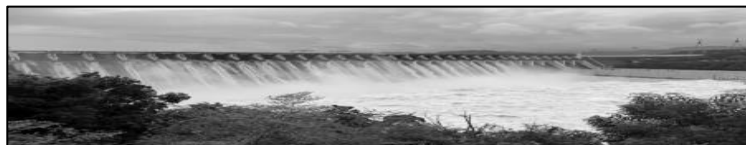
- a. What does the given picture signify? [1]
- b. List down four significant goals related to these dimensions. [4]



- (ii) How does urbanization lead to pressure on the civic amenities? [5]

Question 9

- (i) Tanisha visited her native town in Gujarat where she saw the below given structure built on a River. Identify the structure and write down its four drawbacks. [5]



- (ii) Sushil wants to know what are the environmental impact of Green Revolution. Can you discuss the same for his better understanding? [5]
