

GREENLAWNS SCHOOL, WORLI

TERMINAL EXAMINATION-2018

ENVIRONMENTAL SCIENCE

STD: IX
Date: 25 / 09 /2018

Marks: 80
Time: 2hrs

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

Attempt all questions from Section A and any four questions from Section B.
The intended marks for questions or parts of questions are given in
brackets []

SECTION A (40Marks)

Attempt all questions from this section

Question 1

- a. Name the two types of interaction of species. [2]
- b. What is the natural vegetation found in the semi arid region of India? [2]
- c. Explain 'Energy flow in the ecosystem is unidirectional.' [2]
- d. List any four personal goals that one should set to conserve water. [2]
- e. Define biogeochemical cycle. [2]

Question 2

- a. Mention any two core functions of the ecosystem. [2]
- b. State any four benefits of construction of a dam. [2]
- c. Define nitrogen cycle. [2]
- d. What is ozone? Where is it found? [2]
- e. List any four reasons that have caused destruction of coral reefs. [2]

Question 3

- a. States any two effects of human activities on carbon cycle. [2]
- b. List any four factors responsible for the weather and climate of a place. [2]
- c. Mention any two important characteristic of the coastal zone in India. [2]
- d. State any four features of a grassland ecosystem. [2]
- e. What is co-evolution? State an ecological relationship that includes co- evolution. [2]

Question 4

- a. Define commensalism. Give an example. [2]
- b. Name any two flora and fauna of the tundra region. [2]
- c. State the location of the Deccan plateau region in India. [2]
- d. How is over population a threat to ground water harvesting? [2]
- e. What is cellular respiration? [2]

SECTION B (40 Marks)

Answer **any four** questions from this Section.

Question 5

- a. Define ecosystem. State any one difference between natural and artificial ecosystem. Mention any two factors that affect the living organism in an ecosystem. [5]
- b. 'Ultraviolet radiations are harmful for all living organisms.' State any five effects that ultraviolet radiations have on living organisms. [5]

Question 6

- a. Write a short note on rooftop rain water harvesting. [5]
- b. 'The trophic level of an organism is the position an organism holds in the food chain.' Explain. [5]

Question 7

- a. Write a note on the biodiversity and climate of desert zone in India. [5]
- b. What is a hydrological cycle? State any four benefits of it. [5]

Question 8

- a. What are wetlands? Mention any two importance and any two major threats to wetlands. [5]
- b. How is global warming responsible for climate change? [5]

Question 9

- a. Write a short note on the Montreal Protocol. [5]
- b. Describe the law of limiting factors. [5]
