

GREENLAWNS HIGH SCHOOL
FIRST SEMESTER EXAMINATION
ENVIRONMENTAL SCIENCE

IX – 19/9/22

Maximum Marks: 60

Time allowed: 1 hour 30 minutes

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** questions from **Section A** and **any three** questions from **Section B**.*

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

SECTION A

(Attempt all questions from this Section.)

Question 1

[8]

Choose the correct answers to the questions from the given options.

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

(i) An example of natural ecosystem is

- (a) Marine ecosystem
- (b) Gardens
- (c) Crop fields
- (d) Aquarium

(ii) Primary consumers are

- (a) Meat-eaters
- (b) Decomposers
- (c) Plant eaters
- (d) All of the above

(iii) Carbon dioxide enters the biosphere through

- (a) decomposition
- (b) circulation
- (c) respiration
- (d) photosynthesis

(iv) is an example of producer in desert ecosystem.

- (a) Grasses
- (b) Trees
- (c) Cacti
- (d) mosses

(v) Island group in Arabian sea is

- (a) Andaman and Nicobar
- (b) Lakshadweep
- (c) Munroe
- (d) All the above

(vi) Royal Bengal tigers are native to

- (a) Sunderbans
- (b) Gir
- (c) Kutch
- (d) Thar

(vii) The modern method of water harvesting is

- (a) Eris
- (b) Roof top rain water
- (c) Johads
- (d) Kunds

(viii) The SDGs was held in Rio de Janeiro in the year:

- (a) 1987
- (b) 1990
- (c) 2012
- (d) 2002

Question 2

- (i) Write 2 things involved in the study of environmental science. [2]
- (ii) Why nuclear pollution is the most dangerous among all pollutions? [2]
- (iii) What is ecosystem? [2]

Question 3

- (i) What do pyramid of energy indicates? [2]
- (ii) Write 2 effects of human activities on carbon cycle. [2]
- (iii) Define nitrogen cycle. [2]
- (iv) Define biogeography [2]

Question 4

- (i) What is coral bleaching. [2]
- (i) List the names for western ghats in Maharashtra, Karnataka and Kerala. [2]
- (iii) Explain 2 ways of water conservation in agriculture. [2]
- (iv) How are medusa bags made? How much is it's water holding capacity? [2]

SECTION B

(Attempt any 3 questions from this Section.)

Question 5

- (i) Discuss the impact of extinction of species. [5]
- (ii) Explain the working of carbon cycle. [5]

Question 6

- (i) Discuss 5 features of forest ecosystem. [5]
- (ii) Write in detail about semi arid zone of India. [5]

Question 7

- (ii) What is roof top harvesting? Discuss various parts of water harvesting structure. [5]
- (iii) Explain in detail the stages and phases in succession [5]

Question 8

- (ii) Discuss how the rapid growth of population has cause stress on land resources. [5]
- (iii) Write short note on parasitism. [5]