



**DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2020-21
ANNUAL EXAMINATION (ONLINE)**

CLASS : IX

SUBJECT: ENVIRONMENTAL APPLICATIONS

FULL MARKS : 60

TIME: 1 HOUR 30 MINUTES

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

You will not be allowed to write during the first 15 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 three questions from Section B.

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

This question paper consists of three printed pages.

SECTION A [15 Marks]

Attempt all questions from this Section

QUESTION 1

- a) There are many factors contributing to today's food security crisis. How is climate change related to food security crisis? [2]
- b) Give the full forms of PCB and L.I.S.A [2]
- c) What is CITES and what is its significance? [2]
- d) Mention three steps you would take to initiate a waste management programme in your apartment complex. [3]
- e) Mixed subsistence farming is a sustainable approach. Mention any three reasons to justify the given statement. [3]
- f) Ecosystem transformation mainly occurs due to change in land cover. Give three reasons for change in land cover. [3]

SECTION –B [45 Marks]

Attempt any three questions from this section

QUESTION 2

- a) The Green Revolution and the consequent increase in the agricultural produce has worked to the disadvantage of farmers and the environment. Critically analyse. [5]
- b) Mention the causes of extinction of species. [5]
- c) In situ conservation offers several advantages when protecting endangered species from extinction. Justify the statement. [5]

QUESTION 3

- a) Coral reefs are important for many different reasons aside from supposedly containing the most diverse ecosystems on the planet. Comment on its importance and mention any two threats faced by the corals. [5]
- b) Explain Pyramid of Energy with the help of a diagram. [5]
- c) Proper waste management involves the use of garbage as a valuable resource. Mention some ways to manage waste properly. [5]

QUESTION 4

- a) Poverty and environment degradation are two sides of the same coin. Comment. [5]
- b) Some species cause ecological or economical harm in a new environment where it is not native. Which species are referred to in the given statement? Explain their effect citing two examples. [5]
- c) Given below is the picture of a famous environmental movement. Write a short note on the same, highlighting the place where it started, its aim and leaders behind the movement. Name a similar movement in South India. [5]



QUESTION 5

- a) What are endemic species? Give examples of the same from Madagascar, Hawaii and Australia. [5]
- b) Ecotourism is a concept that is not just about animating people to make trips, but it is more than that. What do you mean by Ecotourism? Elaborate on the benefits of ecotourism. [5]

c) Study the picture given below and answer the questions that follow.

[5]



Technological advancement brings with it several ecological and social problems. Explain any five problems referring to the technological advancement given in the picture.