



SRI SRI RAVISHANKAR VIDYA MANDIR, MULUND
FIRST PRELIMINARY EXAMINATION (2021 – 2022)
SUBJECT: ENVIRONMENTAL SCIENCE

STD.: X

DATE: 18/02/22

MARKS : 40

TIME: 1 Hour 30 min

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 three questions from Section B.

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

THIS QUESTION PAPER CONSISTS OF [3] PRINTED PAGES.

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.)

[10]

- (i) Solid waste that originates in office are called _____
 - (a) Commercial waste
 - (b) Non biodegradable waste
 - (c) Garbage
 - (d) Municipal waste
- (ii) It is an international agreement between governments to check trade in wild-life.
 - (a) Ramsar Convention
 - (b) Project Tiger
 - (c) CITES
 - (d) CBD
- (iii) It is an area set aside by the government strictly for the betterment of the wild life
 - (a) Wildlife sanctuary
 - (b) Transition zone
 - (c) Biosphere reserve
 - (d) National park
- (iv) Bhopal Gas Tragedy occurred due to:
 - (a) Nuclear explosion
 - (b) Castor bean
 - (c) LPG
 - (d) Methyl Iso Cyanate

- (v) Which industrial waste is commonly used in construction industry?
- Slag
 - Fly ash
 - Sludge
 - Red oxide
- (vi) The Kyoto Protocol is an international agreement linked to
- connection between Ozone layer depletion and UVB radiation.
 - the United Nations framework convention on climate change
 - global environmental issues.
 - sustainable development
- (vii) Full form of IUCN:
- International Union for Care of Native
 - Indian Union for Conservation of Nature
 - International Union for Convention of Nature
 - International Union for Conservation of Nature
- (viii) Hydrogen can be extracted from
- Fermented from corn
 - Petrol and ethanol
 - Cracking of natural gas like methane
 - Deep layer of the crust
- (ix) The levels of variations in Biodiversity are
- Genetic level
 - Species level
 - Ecosystem level
 - All of the above options
- (x) The Biodiversity Convention, was opened for signature on at the United Nations Conference.
- 5th June 1990
 - 5th June 1992
 - 6th June 1990
 - 6th June 1992

SECTION B

(Attempt **any three** questions from this Section.)

Question 2

- How are genetically modified crops beneficial? [2]
- What is nuclear fission? Give one advantage of fusion over fission. [2]
- Discuss the aims of multinational companies. [3]
- What is captive breeding? Discuss its advantages. (Any two) [3]

Question 3

- (i) Differentiate between biodiversity and wildlife. [2]
- (ii) Mention two health hazards associated with uncleared garbage. [2]
- (iii) What does GBCF stand for? State any two environmental benefits. [3]
- (iv) Discuss the application of Remote Sensing Satellite in the collection of environmental data. [3]

Question 4

- (i) What is incineration? List two advantages of incineration. [2]
- (ii) What are the reasons for the failure of Project Tiger? [2]
- (iii) Write a short note on The Montreal Protocol. [3]
- (iv) State three advantage of using hydrogen fuel [3]

Question 5

- (i) Define extinct species and vulnerable species. [2]
- (ii) What is bioremediation? [2]
- (iii) State three advantages of using alternative fuels. [3]
- (iv) State objectives of National Parks, Wildlife sanctuaries and Biosphere reserves. [3]

Question 6

- (i) Explain the impact of Developed Countries on Sustainable Development. [2]
- (ii) "Human actions lead to loss of biodiversity", Justify. [2]
- (iii) State the importance of segregation in waste management. [3]
- (iv) Discuss any three ways by which Multinational Companies cause environmental degradation in developing countries. [3]