

ICSE 2023 EXAMINATION
SPECIMEN QUESTION PAPER
ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time allowed: Two hours

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 four** 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

[16]

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

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

- (i) Soil erosion can be prevented by:
- (a) Afforestation
 - (b) Deforestation
 - (c) Over grazing
 - (d) Removal of vegetation
- (ii) A four stroke engine is:
- (a) More durable
 - (b) Produce more sound
 - (c) Create more emissions
 - (d) All the above

- (iii) Planting of trees on road side land and canal banks is called _____.
- (a) Community forestry
 - (b) Farm forestry
 - (c) Extension forestry
 - (d) Agroforestry
- (iv) _____ is not an example of in situ conservation.
- (a) National Parks
 - (b) Botanical Gardens
 - (c) Wildlife Sanctuaries
 - (d) Biosphere Reserves
- (v) Which of the following restricts the use of drip irrigation?
- (a) Clogged drippers
 - (b) Salting increases
 - (c) Initial cost of drip irrigation system is very high
 - (d) All the above
- (vi) Water logging is a phenomenon in which:
- (a) Crop patterns are rotated
 - (b) Erosion of soil takes place
 - (c) Soil root zone becomes saturated due to over irrigation
 - (d) None of the above
- (vii) Name the movement started by these village women.
- (a) Beej Bachhao Andolan
 - (b) Chipko Movement
 - (c) Eco club
 - (d) Green club



- (viii) The Earth Summit was held in Rio de Janeiro in the year:
- (a) 1987
 - (b) 1990
 - (c) 1992
 - (d) 2002
- (ix) The burning of solid waste is not recommended because:
- (a) It is very costly
 - (b) It requires a lot of space
 - (c) It requires modern technologies
 - (d) It causes several environmental issues
- (x) Rural development is important to:
- (a) Counter urban migration
 - (b) Counter rural development
 - (c) Counter urban employment
 - (d) Counter rural employment
- (xi) The benefit of satellite images is:
- (a) It has a permanent record
 - (b) The data is difficult to collect
 - (c) The data is processed very slowly by the computer
 - (d) Images cannot be analysed in the laboratory
- (xii) Factor responsible for increase in population in developing countries is:
- (a) Lack of family planning facilities
 - (b) Good education
 - (c) Preference of a female child
 - (d) Good healthcare facilities

- (xiii) Squatter settlements develop due to:
- (a) Slow increase in rural population
 - (b) Rapid increase in rural population
 - (c) Rapid increase in urban population
 - (d) Slow increase in urban population
- (xiv) Rebuilding of soil and restoring ecosystems is called _____.
- (a) Forest harvesting
 - (b) Regenerative farming
 - (c) Reforestation
 - (d) Non timber forest
- (xv) When was Swachh Bharat Abhiyan launched?
- (a) 2nd October 2013
 - (b) 2nd October 2014
 - (c) 2nd October 2015
 - (d) 2nd October 2016
- (xvi) A healthy environment depends upon a:
- (a) Healthy economy
 - (b) Healthy biodiversity
 - (c) Healthy human beings
 - (d) Healthy animals

Question 2

- (i) Mention the importance of primary education in India. [2]
- (ii) What are the *two* unfair trade practices of the developed countries? [2]
- (iii) State *two* reasons for the development of mutual cooperation between developed and developing countries. [2]
- (iv) What was the objective of the Montreal Protocol? [2]

Question 3

- (i) State *one* advantage and *one* disadvantage of nuclear energy. [2]
- (ii) Expand PETA. State *any one* important function of PETA. [2]
- (iii) State *any two* ways by which biotechnology has helped agriculture. [2]
- (iv) Give *any two* limitations of using alternative fuels in vehicles. [2]

Question 4

- (i) What is food aid? [2]
- (ii) Mention *any two* effects of imposing penalties on industries. [2]
- (iii) What is Project Tiger? Name *one* national park covered under Project Tiger. [2]
- (iv) What is Vanamahotsava? When was it launched? [2]

SECTION B

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

Question 5

- (i) What is energy conservation? Explain *any four* reasons for conserving energy. [5]
- (ii) What is air pollution? Discuss *any four* ways of reducing air pollution from domestic sources. [5]

Question 6

- (i) Discuss *five* ways by which Biodiversity maintains the balance in the environment. [5]
- (ii) To reduce deforestation and stop the indiscriminate felling of trees the attitude of consumers must change. In reference to the above context explain *five* alternatives to timber. [5]

Question 7

- (i) Discuss any four conditions put forward by the Governments of developing countries for Multi-National Companies to fulfil before entry into their markets. Give *one* example of a Multi-National Company in India. [5]
- (ii) Explain the term 'Gene Banks'? Discuss the objectives of maintaining Gene Banks. [5]

Question 8

- (i) What are sanitary landfills? Explain how they can be made secure. [5]
- (ii) What is incineration? Mention *any four* disadvantages of incineration. [5]

Question 9

- (i) Discuss *any five* strategies adopted to control population in India. [5]
- (ii) Explain the term Urbanization? State the main effects of urbanization on environment. [5]

Question 10

- (i) Define sustainable development. Write *any four* ways of making your city sustainable. [5]
- (ii) Explain *any five* ways by which agricultural development can help in poverty alleviation. [5]