



KARNATAKA ICSE SCHOOLS ASSOCIATION

ICSE STD. X Preparatory Examination 2024

Subject: ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time Allowed: 2 Hours

Date: _____

General Instructions:

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 (40 Marks)

Attempt all questions in this Section

Question - 1

[16]

Choose the correct option and write the answer for each of the following questions.

1. Which of the following is a common gaseous air pollutant from vehicles?

- a. Oxygen b. Carbon dioxide c. Carbon monoxide d. Hydrogen

2. Which of the following is NOT a factor responsible for increase in population in developing countries?

- a. Religious beliefs
b. Preference for a male child
c. Better health care for all age groups
d. Lack of family planning facilities

3. The source of the fuels that are plant and animal products is termed as _____.

- a. Flora Fuels b. Fauna Fuels c. Biogas d. Biomass

4. What is the major aim of the National Literacy Mission of 1988?

- a. Promoting literacy among backward classes
b. Promoting adult education in rural areas
c. Promoting family planning among married couples
d. Promoting health services in society

5. A sustainable city is also called _____.

- a. Metropolitan City
b. Cosmopolitan City
c. Green City
d. Eco - City

6. Complete the analogy:

Plantation of trees: Vanamahotsava:: Embracing trees: _____.

- a. Beej Bachao Movement
- b. Chipko Movement
- c. Tehri Movement
- d. Afforestation

7. Pick the odd one out from the following:

- a. Ozone
- b. Particulate Matter
- c. Carbon Monoxide
- d. Hydrogen

8. The following stamp is the symbol of _____.

- a. Family Planning
- b. Air Pollution
- c. COVID-19 Vaccination
- d. Mahila Samakhya



9. Which of the following company was involved in the Bhopal Gas Tragedy?

- a. Infosys
- b. Union Carbide
- c. Visvesvaraya Iron and Steel Plant
- d. Chernobyl Nuclear Power Plant

10. A mixture of 90% gasoline with 10% anhydrous ethanol is called _____.

- a. Methanol
- b. Petrol
- c. Diesel
- d. Gasohol

11. Identify the type of soil conservation technique used in the following picture.

- a. Contour Ploughing
- b. Dry Farming
- c. Gullies
- d. Terracing



12. Complete the analogy:

Bandipur National Park : Tiger :: Kaziranga National Park : _____

- a. Elephant
- b. Rhinoceros
- c. Lion
- d. Turtle

13. Given below are two statements:

Statement 1: Trade helps in forming a more united world and countries no longer operate in isolation.

Statement 2: Trade promotes information exchange, which leads to better cultural understanding of different people.

In the light of the above statements, choose the correct answers from the options given below.

- a. Both Statement 1 and Statement 2 are true
- b. Statement 1 is true but Statement 2 is false
- c. Statement 1 is false but Statement 2 is true
- d. Both Statement 1 and Statement 2 are false

14. The TTZ includes three world heritage sites namely, _____, _____ and _____.

- a. The Taj Mahal, Fatehpur Sikri and Qutub Minar
- b. The Taj Mahal, Gol Gumbaz and Qutub Minar
- c. The Taj Mahal, Fatehpur Sikri and Agra Fort
- d. The Taj Mahal, The Red Fort and Agra Fort

15. Objective 1: To remove social inequality by eliminating elements of exploitation.

Objective 2: To redistribute the ownership holdings and reorganizing operational holdings for optimum utilization of land. The above mentioned objectives are the objectives of _____.

- a. Rural Development
- b. Social Forestry
- c. National Forest Policy
- d. Land Reforms

16. Given below are two statements:

Statement 1: There shall be out-migration of young village-born adults seeking education and employment opportunities elsewhere

Statement 2: There shall be a decline of the elderly village-born population due to death.

In the light of the above statements, choose the correct answer from the options given below.

- a. Both Statement 1 and Statement 2 are the effects of Counter Urbanization
- b. Statement 1 is the effect of Counter Urbanization but Statement 2 is not.
- c. Statement 2 is the effect of Counter Urbanization but Statement 1 is not.
- d. Both Statement 1 and Statement 2 are not related to Counter Urbanization.

Question - 2

Answer the following questions briefly.

[8]

- a. Expand the following abbreviations: (i) IUCN (ii) PETA.
- b. State any two aims of the Project Tiger.
- c. Mention *any two* advantages of developing community forestry.
- d. List *any two* measures that can be taken to prevent disasters like the Bhopal Gas Tragedy.

Question - 3

Answer the following questions briefly.

[8]

- Why do you need alternate fuels? Mention *any two* alternate fuels.
- Suggest any two strategies to control population growth in India.
- State any two advantages of conservation tillage.
- Distinguish between afforestation and deforestation.

Question - 4

Answer the following questions briefly.

[8]

- What do you mean by a landfill? Mention any one advantage of a landfill.
- Explain debt trap with an example.
- What do you mean by the term 'wildlife'? Explain briefly the need for wildlife management.
- Mention *any two* benefits of crop rotation.

Section - B (40 Marks)

Attempt any four questions in this Section

Question - 5

a. Distinguish between a two-stroke engine and a four-stroke engine.

[5]

b. Describe the ways by which public transport system can help preserve the environment.

[5]

Question - 6

a. What is ex-situ conservation? Discuss *any four* advantages of ex-situ conservation.

[5]

b. List *any five* common objectives of a national park, a wildlife sanctuary and a biosphere reserve.

[5]

Question - 7

a. What is community participation? Explain its role in public awareness programmes.

[5]

b. Discuss *any five* ways by which multinational companies cause environmental degradation in developing countries.

[5]

Question - 8

a. "The development of India is in the development of its villages". Describe *any five* ways of development of rural areas in India.

[5]

b. Explain *any five* findings of the UN's population projections for 2050.

[5]

Question - 9

a. Describe *any five* ways by which international co-operation can help in achieving a sustainable future.

[5]

b. Discuss the advantages and the disadvantages of nuclear energy.

[5]

Question - 10

a. Discuss the causes and the effects of soil erosion.

[5]

b. Explain *any five* ways of combating deforestation.

[5]
