
ENVIRONMENTAL SCIENCE

(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 (40 Marks)

Attempt **all** questions from this Section

Question 1

- (a) What are secondary cities? [2]
- (b) Define zoning. State one benefit of zoning. [2]
- (c) What are tree crops? [2]
- (d) Give two disadvantages of mixed cropping. [2]
- (e) State two advantages of using public transport system. [2]

Question 2

- (a) What are genetically modified organisms? [2]
- (b) List any two strategies for promoting women-centered development. [2]
- (c) State any two advantages of crop rotation. [2]
- (d) Define nuclear energy. State any one use of nuclear energy. [2]
- (e) What is meant by the term 'global food security'? [2]

This paper consists of 3 printed pages and 1 blank page.

T19 821

© Copyright Reserved

Turn over

Question 3

- (a) State two features of a National Park. [2]
- (b) Give two examples of non-biodegradable materials. [2]
- (c) Define international trade. [2]
- (d) Mention two benefits of recycling paper. [2]
- (e) Why was the Montreal Protocol designed? [2]

Question 4

- (a) Explain the concept of alternate technology. Give a suitable example. [2]
- (b) Define the term composting. [2]
- (c) Name any two fuels that can reduce air pollution due to domestic cooking. [2]
- (d) Education is necessary for controlling overpopulation. [2]
Justify this statement with two reasons.
- (e) Give two advantages of using CNG as a fuel. [2]

SECTION B (40 Marks)

Answer **any four** questions from this Section

Question 5

- (a) List any five measures for reducing air pollution from vehicles. [5]
- (b) What is solid waste? [5]
List four suitable options to produce less solid waste in our surroundings.

Question 6

- (a) Discuss the ecological reasons for conserving biodiversity. [5]
- (b) List any three advantages and two disadvantages of using solar energy. [5]

Question 7

- (a) Explain any three suitable measures to regulate the activities of multinational companies which pollute the environment. [5]
- (b) What is Integrated Pest Management? List any four aims of IPM. [5]

Question 8

- (a) What is sustainable development? Discuss any three strategies by which developing countries can achieve sustainable growth. [5]
- (b) Write any five effects of climate change on the global environment. [5]

Question 9

- (a) Community participation plays an important role in conserving our environment. Justify this statement with suitable reasons. [5]
- (b) Give any five reasons as to why organic fertilizers are preferred over chemical fertilizers. [5]

Question 10

- (a) Suggest five measures to help increase development in villages and thus reduce rural migration to cities. [5]
- (b) What is overgrazing? State any four ill effects of overgrazing in forests. [5]