
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]

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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]