
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.

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]