
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 bio pesticides? Give one example of a bio pesticide. [2]
- (b) What are biosphere reserves? [2]
- (c) List any two problems that waste can cause to our environment. [2]
- (d) Explain the working of Remote Sensing Satellites. [2]
- (e) What is the impact of increasing population on the land? [2]

Question 2

- (a) List two aims of MNC's. [2]
- (b) How has LPG benefitted the rural areas of India? [2]
- (c) What are organic fertilizers? Give any one disadvantage of organic fertilizers. [2]
- (d) Name any two clean fuels. [2]
- (e) How can the government encourage child education? [2]

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

Question 3

- (a) State any two reasons for fossil fuel depletion. [2]
- (b) Why is it important for hospitals to reduce their solid waste? [2]
- (c) What do you understand by the term ‘debt trap’? [2]
- (d) What is the need for biotechnology in agriculture? [2]
- (e) Define reforestation. [2]

Question 4

- (a) State the difference of a core and buffer zone in a tiger reserved area. [2]
- (b) What is the link between growing population and environment degradation? [2]
- (c) What are bunds? How do they reduce soil erosion? [2]
- (d) How has construction work contributed to degradation of the environment? [2]
- (e) Mention any two ways by which industrial pollution can be controlled. [2]

SECTION B (40 Marks)

Answer any four questions from this Section

Question 5

- (a) Define soil erosion. [5]
Explain any two man made and any two natural causes for soil erosion.
- (b) What is biodiversity? Explain four reasons for loss of it in recent times. [5]

Question 6

- (a) Define incineration. Write any two advantages and any two disadvantages of incineration. [5]
- (b) What do you understand by international trade? [5]
List four benefits from international trade.

Question 7

- (a) What is urbanization? [5]

How can the government help to facilitate a better lifestyle to urban areas?

- (b) Mention any two threats faced by Taj Mahal monument. [5]

State any three steps that can be taken to reduce its degradation.

Question 8

- (a) Write a note on women centered human development as a strategy for controlling the population growth. [5]

- (b) When and where was the UN's International conference on Population and Development held? Explain any three objectives. [5]

Question 9

- (a) What is Agro forestry? Discuss any four objectives of Agro forestry. [5]

- (b) What is sustainable agriculture? [5]

Explain any four regenerative farming techniques.

Question 10

- (a) Define Trickle Drip Irrigation. State any two merits and two demerits of it. [5]

- (b) What are the conservation strategies for wildlife at national and international levels? Explain any one in detail. [5]