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## 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.*

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*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 [ ].*

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### 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]

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

**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 [5]  
levels? Explain any one in detail.