**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**

1. List two aims of MNC’s. [2]
2. How has LPG benefitted the rural areas of India? [2]
3. What are organic fertilizers? Give any one disadvantage of organic fertilizers.

[2]

1. Name any two clean fuels. [2]
2. How can the government encourage child education? [2]

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

**Question 4**

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

**SECTION B (40 Marks)**

*Answer* ***any four*** *questions from this Section*

# Question 5

1. Define soil erosion.

Explain any two man made and any two natural causes for soil erosion.

[5]

1. What is biodiversity? Explain four reasons for loss of it in recent times. [5]

# Question 6

1. Define incineration. Write any two advantages and any two disadvantages of incineration.

[5]

1. What do you understand by international trade? List four benefits from international trade.

[5]

1. What is urbanization?

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

[5]

1. Mention any two threats faced by Taj Mahal monument.

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

[5]

# Question 8

1. Write a note on women centered human development as a strategy for controlling the population growth.

[5]

1. When and where was the UN’s International conference on Population and

Development held? Explain any three objectives.

[5]

# Question 9

1. What is Agro forestry? Discuss any four objectives of Agro forestry. [5]
2. What is sustainable agriculture?

Explain any four regenerative farming techniques.

[5]

# Question 10

1. Define Trickle Drip Irrigation. State any two merits and two demerits of it. [5]
2. What are the conservation strategies for wildlife at national and international levels? Explain any one in detail.

[5]