

Duration 2 hours

Marks: 50

**NB:- 1. All questions are compulsory**

**2. Draw neat labelled diagrams wherever necessary**

**3. All questions carry equal marks**

**Q.1** Answer any **two** questions from the following (10)

- Describe the connection between humans and the environment
- Define the Lithosphere with diagram
- Explain the concept of environmental evolution with an example
- What are bio geographical zones in India

**Q.2** Answer any **two** questions from the following (10)

- Explain the concept of global climate change
- Define biochemical cycles with any one example
- Elaborate on atmospheric stability
- Discuss the heat balance of the Earth and the atmosphere system

**Q.3** Answer any **two** questions from the following (10)

- Define desertification and outline its causes and impacts
- Describe water resources and categorize different types of surface water resources
- Explain the environmental effects of modern agricultural practices related
- Write your comment benefits of dams its their impacts

**Q.4** Answer any **two** questions from the following (10)

- Describe various types of non-renewable energy resources,
- Explain the potential of hydroelectric energy in India with disadvantages
- Define biofuel production
- Identify the causes contributing to the over-exploitation of energy resources

**Q.5** Answer any **four** questions from the following Soil erosion (10)

- Land resources
- Impact of mining
- First and second laws of thermodynamics,
- Indian monsoon
- Lithosphere
- Solar energy

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