

**2024**

Time :As in Programme

Full Marks : 100

*The figures in the right-hand margin indicate marks.*

*Answer **all** questions.*

**PART-I**

1. Answer all the questions. [1×10]
- a) Name one secondary Air pollutant.
  - b) What is biodiversity?
  - c) Which type of disaster is earthquake classified as?
  - d) Who is the head of National Disaster Management Authority (NDMA)?
  - e) Name the Act related to the preservation of air quality in India.
  - f) What is the unit of noise pollution?
  - g) How can urban and industrial waste be managed effectively?
  - h) What is the term used to describe the interrelationship of individuals, species, and population in an ecosystem?
  - i) Name one ex-situ method of biodiversity conservation.
  - j) State one reason for conflicts over water resources.

(Turn Over)

## PART-II

2. Answer all the questions in 50 words each. [2×9]
- Name two mega-biodiversity countries in the World.
  - Write two methods for controlling human population?
  - Name a bio-geographic province of the world.
  - What do GHGs contribute to concerning the environment?
  - What is biodiversity Hotspots?
  - In which year ODRAF was established?
  - Write examples of Non-renewable sources of energy?
  - Which Act focuses on controlling and preserving air quality in the environment?
  - What is the term that describes the act of protecting endangered species within their natural habitats?

## PART-III

3. Answer any eight of the following in 250 words each. [5×8]
- Discuss the major types of environmental pollution and elaborate on their control measures.
  - Explain the concept of biodiversity with a focus on threats faced by biodiversity and the conservation measures required to protect endangered species.
  - Outline the different types of natural resources and associated problems, emphasizing issues related to water resources.
  - Discuss the institutional framework, preparedness measures, and community participation in disaster management.

- e) Explore the social issues related to the environment, focusing on environmental ethics and the impact of climate change.
- f) Explain the causes, effects, and control measures of soil pollution.
- g) Explain urbanization and its effect on the society.
- h) Differentiate between natural disasters and man-made disasters, providing examples of each type along with their causes and effects.
- i) Explain the importance of public awareness in environmental studies.
- j) Discuss the causes, effects, and control measures of water pollution.

#### **PART-IV**

4. Answer any four of the following in 800 words each. [8×4]
- a) Define the term 'biodiversity' and explain the concept of hotspots of biodiversity with examples.
  - b) Discuss the causes and effects of air pollution, providing examples for each.
  - c) Explain the importance of public awareness in environmental studies and provide examples with success story.
  - d) Illustrate the role of stakeholders in disaster management and discuss how their participation can improve response and recovery efforts.
  - e) Identify the key components of the Disaster Management cycle and explain the significance of each phase in reducing the impact of disasters.



(3)