

2024

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

*Answer from **all** the Groups as directed.*

Group – A
(Objective Type Questions)

(Compulsory)

1. Choose the correct answer / Fill in the blanks
(any **ten**) : $1 \times 10 = 10$

(a) Which of the following is not a renewable source of energy ?

- (i) Tidal energy
- (ii) Biomass energy
- (iii) Ethanol
- (iv) Nuclear energy

- (b) Which of the following is a type of biodegradable pollutants ?
- D. D. T
 - Garbage
 - Woods
 - Both (ii) and (iii)
- (c) Which layer of the atmosphere contains the Ozone responsible for the absorption of UV light ?
- Stratosphere
 - Troposphere
 - Mesosphere
 - None of these
- (d) The functional aspects of the ecosystem are :
- Energy cycles
 - Nutrient cycles
 - Food chains
 - All of these
- (e) The 3R principle is in which of the following order ?
- Reduce, Reuse, Recycle
 - Reuse, Reduce, Recycle
 - Recycle, Reuse, Reduce
 - None of these

- (f) World Environment Day is celebrated on _____.
- (g) Environment Protection Act came into force on _____.
- (h) Which of the following is also called Detrivores ?
- Herbivores
 - Decomposers
 - Carnivores
 - None of these
- (i) CNG stands for _____.
- (j) _____ discovered the term 'Ecosystem' in 1935.
- (k) The floating aquatic plants are termed as _____.

Group - B

(Short-answer Type Questions)

2. Write short notes on any **four** of the following :
- * 5×4 = 20

- Concept of Sustainable Development
- Montreal Protocol
- Kyoto Protocol
- Greenhouse effect
- Biodiversity
- Solid Waste Management

Group – C

(Long-answer Type Questions)

Answer any **four** questions of the following :

10×4 = 40

3. Define Water Pollution. Describe different effects of water pollution on living Organisms.
4. India as a mega-biodiversity nation. Enlighten this statement.
5. What is an ecosystem ? Structure and functions of ecosystem.
6. Discuss the multidisciplinary nature of environmental studies.
7. What are the key features of National Environmental Policy ?
8. Discuss the role played by Indian and other religions and cultures in environmental conservation.

