

**2023**

***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)**

- 1. Select the correct answer of the following :**

**1×5 = 5**

**(a) Which of the following is not a biodiversity  
hotspot of India ?**

- (i) Sundaland**
- (ii) Andean region**
- (iii) Western Ghat**
- (iv) Terrai-Duar Savanna**

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

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

**(c) An example of secondary pollutant is :**

- (i) Carbon monoxide**
- (ii) Particulate matter**
- (iii) Photochemical smog**
- (iv) Dust**

**(d) Harmful effects of PAN on living organisms is / are :**

- (i) Eye irritation**
- (ii) Emphysema**
- (iii) Inhibits plant growth**
- (iv) All of these**

**(e) Which of the following is a type of biodegradable pollutant ?**

- (i) D. D. T.**
- (ii) Garbage**
- (iii) Woods**
- (iv) Both (ii) and (iii)**

2. Fill in the blanks with suitable answer :  $1 \times 5 = 5$

- (a) The floating aquatic plants are known as \_\_\_\_\_.
- (b) In a detritus food chain, the first trophic level is occupied by the \_\_\_\_\_.
- (c) The United Nations Conference on Environment and Development, 1992 was held at \_\_\_\_\_.
- (d) 'Green Muffler' is a term associated with \_\_\_\_\_ pollution.
- (e) The major health hazard from Chernobyl nuclear disaster was \_\_\_\_\_.

**Group – B**

**(Short-answer Type Questions)**

3. Write short notes on any four of the following :

$5 \times 4 = 20$

- (a) Cauvery (Kaveri) river water dispute
- (b) Concept of sustainable development
- (c) Endemic species of India
- (d) Montreal Protocol

(e) Greenhouse effect

(f) PAN

### **Group – C**

#### **(Long-answer Type Questions)**

Answer any four questions of the following :

$10 \times 4 = 40$

4. Dams are not environment friendly. Discuss
5. Suggest some measures adopted by you to mitigate air pollution.
6. What are the various threats to biodiversity. Describe the ex-situ methods for its conservation.
7. Describe ecological succession in a desert ecosystem with proper diagrams.
8. Define water pollution. Describe different effects of water pollution on living organisms.
9. What are the key features of National Environmental Policy ?

