

(d) Biosphere

- 1-d. Excess Fluoride in drinking water is likely to cause(CO4) 1
- (a) Blue baby syndrome
 - (b) Fluorosis
 - (c) Cancer
 - (d) Intestinal irritation
- 1-e. The Environmental Protection Act was enacted in the year (CO5) 1
- (a) 1986
 - (b) 1987
 - (c) 1989
 - (d) 1990

2. Attempt all parts:-

- 2.a. Name the different segments of atmosphere?(CO1) 2
- 2.b. Write down the functions of forest resources?(CO2) 2
- 2.c. What is species and genetic biodiversity?(CO3) 2
- 2.d. Define the term pollution and pollutants?(CO4) 2
- 2.e. Write short notes on effects and control measure of flood?(CO5) 2

SECTION B

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3. Answer any three of the following:-

- 3-a. Name and explain the various steps carried out in nitrogen cycle?.(CO1) 5
- 3-b. What are the different types of renewable energy sources? Explain advantages of renewable energy resources?(CO2) 5
- 3.c. Discuss the major threats and importance of biodiversity?(CO3) 5
- 3.d. Discuss the causes and effects of ozone layer depletion?(CO4) 5
- 3.e. Discuss the salient features of Air (Prevention and control of pollution)Act,1981?(CO5) 5

SECTION C

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4. Answer any one of the following:-

- 4-a. Define the term ecosystem? Discuss the biotic and abiotic components of ecosystem(CO1) 4
- 4-b. Discuss the different steps of carbon cycle?(CO1) 4

5. Answer any one of the following:-

- 5-a. Define the term natural resources? Classify natural resources on different parameters?(CO2) 4
- 5-b. Describe the importance of wind energy in India with special reference to its uses and limitations?(CO2) 4
- 6. Answer any one of the following:-**
- 6-a. Define the term biodiversity? Differentiate between ex situ and in situ conservation of biodiversity?(CO3) 4
- 6-b. Define the term hot spot of biodiversity? Name the hotspots present in India?(CO3) 4
- 7. Answer any one of the following:-**
- 7-a. Define the term noise pollution? Discuss the causes and effects of noise pollution?(CO4) 4
- 7-b. Discuss the causes and effects of air pollution?(CO4) 4
- 8. Answer any one of the following:-**
- 8-a. Define the term environmental impact assessment? Discuss the different steps/methodology of EIA regarding environmental protection?(CO5) 4
- 8-b. Define the term bioindicators? Name the different types of bioindicators and their uses?(CO5) 4