

- 1-d. Which of the following are likely to be present in photochemical smog? (CO4) 1
- (a) Sulphur dioxide
 - (b) Photochemical oxidants
 - (c) CFC
 - (d) Smog
- 1-e. When the consumption of natural resources are equal to nature's ability to replenish then sustainability is (CO5) 1
- (a) Not sustainable
 - (b) Steady state economy
 - (c) Environmentally sustainable
 - (d) none of the above

2. Attempt all parts:-

- 2.a. Define the term ionosphere. (CO1) 2
- 2.b. Which are non-conventional source of energy ? Mention any three. (CO2) 2
- 2.c. Differentiate between species diversity and ecological diversity. (CO3) 2
- 2.d. What is the full form of three R? How they are beneficial for environment protection? (CO4) 2
- 2.e. What is the role of NGO for improvement of environment? (CO5) 2

SECTION B

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3. Answer any three of the following:-

- 3-a. Differentiate between lithosphere and hydrosphere. (CO1) 5
- 3-b. Why hydrogen gas is considered as future fuel? Discuss the Nuclear Power and it's Environmental Impacts? (CO2) 5
- 3.c. Write down the role of biosphere reserve, sanctuaries, and national park regarding to biodiversity conservation. (CO3) 5
- 3.d. Explain the sources, effects and control measures of radioactive pollution. (CO4) 5
- 3.e. Discuss the concept of sustainable development. Write short notes on objectives and importance of sustainable development. (CO5) 5

SECTION C

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4. Answer any one of the following:-

- 4-a. Discuss the different steps of Nitrogen cycle. (CO1) 4
- 4-b. Discuss the biotic and abiotic components of pond ecosystem. (CO1) 4

5. Answer any one of the following:-
- 5-a. Discuss the limitations of solar and wind energy. (CO2) 4
- 5-b. Explain the merits and demerits of using geothermal energy. (CO2) 4
6. Answer any one of the following:-
- 6-a. What is ecological succession? Describe steps involve in ecological succession. (CO3) 4
- 6-b. Discuss the important wildlife projects of India. (CO3) 4
7. Answer any one of the following:-
- 7-a. What do CFCs stand for? Name some devices where CFCs are used. (CO4) 4
- 7-b. Write three basic characteristics of a modern landfill site. What are the reasons they are used? (CO4) 4
8. Answer any one of the following:-
- 8-a. What do understand by EIA? Write involve steps in procedure of EIA. (CO5) 4
- 8-b. Discuss the objectives of sustainable development. (CO5) 4