

Time: 2 ½ Hrs.

Marks:75

N.B.: All questions are compulsory, carrying 15 marks each

1 A. Match the following: (Any 8)

(1×8=8)

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|--------------------------------------|---------------------------------|
| 1. Stratosphere | a. Geo thermal |
| 2. Non-Conventional source of Energy | b. Sikkim |
| 3. Sustainable Development | c. Microbial environment |
| 4. Carbon credit | d.1972 |
| 5. Organic farming | e. Solid waste management |
| 6. Kyoto Protocol | f. Certified emission reduction |
| 7. Wildlife Protection Act | g. Resource conservation |
| 8. Green House Effect | h. 1997 |
| 9. Decomposers | i. Atmosphere |
| 10. Incineration | j. Global Warming |

1 B. True or False: (Any 7)

(1×7=7)

1. Only 10 percent of net energy production is passed from one trophic level to another.
2. The practice of cultivating crops in alternative strips to prevent water movement is called Contour farming.
3. Methane gas destroys the ozone layer of earth.
4. Pitcher plant is one of the endangered species of plant.
5. Environment Impact Assessment enables local authorities to evaluate the environmental impacts of the projects.
6. Energy flow is the flow of chemical elements and compounds between living organisms and the physical environment.
7. Eco tourism works on the principle of minimising the adverse impact on environment, local culture and heritage.
8. Natural gas is used to produce nuclear energy.
9. Vermiculture is one of the practice followed in waste management.
10. Many interconnected food chains form the food web.

2a. What do you understand by the term Environment? Discuss briefly about the abiotic components of the environment. **(8)**

2b. Explain the mechanism of Water Cycle. **(7)**

OR

2a. Define the term Ecosystem. Discuss various Trophic Levels of an ecosystem? **(8)**

2b. "Modern society is said to lack sustainability". How can we change it into a sustainable society? **(7)**

3a. Discuss the issues related with Environmental Degradation. **(8)**

3b. How can we manage E-waste in today's time? Discuss. **(7)**

OR

3. What do you mean by Disaster Management? Explain the Disaster Management Cycle with reference to an earthquake. (15)

4. Discuss the role of Central and State Pollution Control Boards under Water Act, 1974. (15)

OR

4a. Describe the salient features of ISO 14001. (8)

4b. Write a brief note on Environmental Audit. (7)

5. Write short notes on: (Any 3) (3×5=15)

a. Green Marketing

b. Solar Energy

c. Carbon Bank

d. Global Warming

e. Food Chain and Food Web
