

- a) Biological Oxygen Demand
 - b) Biomedical Oxygen Demand
 - c) Biochemical Oxygen demand
 - d) None of these
- v) The world Environment day is
- a) January 31
 - b) June 31
 - c) January 5
 - d) June 5
- vi) Enlargement of desert in Rajasthan is due to
- a) Overgrazing
 - b) Mining
 - c) Urbanisation
 - d) Industrialisation
- vii) Which gas is released when vegetable matters is thrown into a vat?
- a) Sulphur dioxide
 - b) Carbon dioxide
 - c) Methane
 - d) None of these
- viii) The objective of environmental education is
- a) Raise consciousness about environmental conditions.
 - b) To teach environmentally appropriate behavior.
 - c) Create an environmental ethic.
 - d) all the above.
- ix) Biogas is _____ type and nuclear energy is type of energy resource.
- a) Conventional, non conventional
 - b) non conventional, conventional,
 - c) both conventional,
 - d) Both non conventional
- x) Which one is primary pollutant?
- a) acrolein
 - b) PAN
 - c) O₃
 - d) CO

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. 3x5=15

2. State the basic objectives of E1A.
3. Why does 5day BOD test occur?
4. Write a note on Environmental Ethics
5. Define ecosystem. What are its six structural components?
6. Describe nitrogen cycle with suitable flow diagram.

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. 3x15=45

7. a) What do you mean by eutrophication of lake? Discuss briefly its effects on the aquatic life and water quality.
b) Write a short note on the, different layers of the earth's atmosphere stating their characteristics.
c) Define albedo. Calculate the temperature of earth surface taking reflection into account. 5+5+5
8. What are the different biotic components of an ecosystem. Define food chain. What is ecological pyramid? Describe pyramid of biomass with the help of a diagram. 3+3+3+6
9. What is smog? Differentiate between primary pollutant and secondary pollutant in air pollution. What is the working principal of gravity settling chamber and cyclone separator? Illustrate with proper diagram. 3+4+4+4
10. a) Define energy flow in Ecosystem. Although the inorganic nutrients are recycled, the flow of energy is not Justify.

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b) State the composition of Lithosphere. Write down the disadvantage of land filling.

c) What are the different types of solid waste.

d) Write down the methods of disposal of solid waste.

4+4+2+5

11. Write short notes (any three)

3x5=15

a) Soot particle

b) Biochemical Oxygen Demand

c) Incineration

d) The Carbon Cycle

e) Sustainable Development

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