

QUESTION 2014

Group – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following:

- i) Which one of the following shows highest green house efficiency?
a) CH_4 b) N_2O ✓ c) CO_2 d) O_3
- ii) Composition of soil means
✓ a) inorganic, organic matter, soil water, air and organism
b) A, B and C horizon
c) Humus, water, sand & gravel
d) Thermocline, Hypolimnion, Epilimnion
- iii) Stone cancer of the Taj Mahal is caused by
a) UV ray b) smog ✓ c) acid rain d) CFC
- iv) BOD stands for
✓ a) Biological Oxygen Demand ✓ b) Biochemical 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) urbanization d) industrialization
- 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 of these
- 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) O_3 ✓ d) CO

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Group - B

(Short Answer Type Questions)

2. State the basic objectives of E1A.

See Topic: FUNDAMENTALS OF ENVIRONMENT, Long Answer Type Question No. 1.

3. Why does 5 day BOD test occur?

See Topic: WATER POLLUTION & CONTROL, Short Answer Type Question No. 4.

4. Write a note on Environmental Ethics.

See Topic: FUNDAMENTALS OF ENVIRONMENT, Short Answer Type Question No. 7.

5. Define ecosystem. What are its six structural components?

See Topic: ECOLOGY, Short Answer Type Question No. 2.

6. Describe nitrogen cycle with suitable flow diagram.

See Topic: ECOLOGY, Short Answer Type Question No. 7.

Group - C

(Long Answer Type Questions)

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.

a) See Topic: WATER POLLUTION & CONTROL, Long Answer Type Question No. 4.

b) See Topic: AIR POLLUTION & CONTROL, Long Answer Type Question No. 6 (OR).

c) See Topic: AIR POLLUTION & CONTROL, Short Answer Type Question No. 6.

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.

See Topic: ECOLOGY, Long Answer Type Question No. 4.

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.

See Topic: AIR POLLUTION & CONTROL, Long Answer Type Question No. 7.

10. a) Define energy flow in Ecosystem. Although the inorganic nutrients are recycled, the flow of energy is not justify.

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.

a) See Topic: ECOLOGY, Short Answer Type Question No. 8.

b) See Topic: LAND POLLUTION, Short Answer Type Question No. 3.

c) See Topic: LAND POLLUTION, Long Answer Type Question No. 1 (a).

d) See Topic: LAND POLLUTION, Short Answer Type Question No. 1.

ENVIRONMENT & ECOLOGY

1. Write short notes (any three)

- a) Soot particle
- b) Biochemical Oxygen Demand
- c) Incineration
- d) The Carbon Cycle
- e) Sustainable Development.

- a) See Topic: AIR POLLUTION & CONTROL, Long Answer Type Question No. 11(e).
- b) See Topic: WATER POLLUTION & CONTROL, Long Answer Type Question No. 11(g).
- c) See Topic: LAND POLLUTION, Long Answer Type Question No. 5.(b).
- d) See Topic: ECOLOGY, Long Answer Type Question No. 7(e).
- e) See Topic: FUNDAMENTALS OF ENVIRONMENT, Long Answer Type Question No. 3 (g).