

Time: 2:00 Hours]

[Marks: 35

Instructions to candidate:

- 1) Q. 1 is compulsory.
- 2) Attempt any Three questions from Q. 2 to Q. 5.
- 3) Q. 2 to Q. 5 carry equal marks.
- 4) Draw neat labelled diagrams wherever necessary.

Q. 1) Answer any FIVE of the following

[5]

- a) What is ecosystem diversity?
- b) Define sustainable development
- c) Enlist any two non renewable resources
- d) Define eutrophication
- e) What is lithosere?
- f) Define consumers

Q. 2)

- a) Describe structure of pond ecosystem [3]
- b) Give an account of grazing food chain [3]
- c) What is soil erosion? Explain its causes and ways to prevent it [4]

Q. 3)

- a) Explain in situ and ex situ conservation [6]
- b) Define biodiversity. Explain threats to biodiversity [4]

Q. 4)

- a) What is ecological succession? Explain stages of ecological succession in any one ecosystem [6]
- b) What are renewable energy sources? Explain any two [4]

Q. 5) Write notes on any FOUR from the following

[10]

- a) Biodiversity hotspots
- b) Deforestation
- c) Single channel energy flow model
- d) Levels of biological diversity
- e) Alternate energy sources

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Q. 1) Answer any FIVE of the following

[5]

- a) Define biomagnification.
- b) What is acid rain?
- c) Define human population growth.
- d) What are community reserves?
- e) Define environmental conservation.
- f) What is landfill?

Q. 2) Answer the following

- a) Explain effects of global warming.
- b) What is air pollution? Discuss sources of air pollution.
- c) Write a note on environmental movements and explain its types.

[3]

[3]

[4]

Q. 3) Answer the following

- a) Describe carbon foot print. Explain in brief the activities that affect the carbon footprint of individuals.
- b) Discuss the objectives of wildlife protection act, 1972.

[6]

[4]

Q. 4) Answer the following

- a) What is solid waste management? Explain methods of solid waste management.
- b) Explain rehabilitation and discuss various policies and issues related to rehabilitation.

[6]

[4]

Q. 5) Write notes on any FOUR from the following

[10]

- a) Mechanical Biological treatment (MBT)
- b) Smog
- c) Silent valley movement
- d) Basic principles of identification
- e) Montreal protocol

