

- Note :-** 1) All questions are compulsory.  
2) Figures to the right indicate marks.

Q. 1 a) Define the term Ecosystem and explain the structural characteristics of ecosystem. [08]

b) What is Energy flow in the ecosystem ? Explain Y-shaped energy flow model with the help of suitable diagram. [07]

**OR**

Q. 1. a) What are Biogeochemical cycles ? With the help of suitable diagram explain Nitrogen cycle. [08]

b) What are ecological pyramids ? With the help of suitable diagram explain different types of ecological pyramids. [07]

Q. 2. a) What is EIA ? What are its objectives and how is it conducted ? [08]

b) Explain the major impact of resource exploitation on quality of environment. [07]

**OR**

Q. 2. a) Write a detailed note on Environmental Audit. [08]

b) What is E-waste ? Explain the sources and its impact on environment. [07]

Q. 3. a) Explain the legislative measures for environmental protection in India. [08]

b) Write detailed note on role of technology in environmental management. [07]

**OR**

Q. 3. a) What are Ecological movements ? Explain some of the most important Ecological movements in India. [08]

b) Write a detailed note on Anthropogenic Waste. [07]

Q. 4. Write short-notes on the following :-

a) Food Chain and Food Web. [05]

b) Carbon credits [05]

c) Difference between Resource and Wealth. [05]

**OR**

Q. 4. Write short-notes on the following :-

a) Trophic Structure [05]

b) Carbonification [05]

c) Medical Waste [05]

