

Section A (Compulsory. 2 marks each)

Q 1 Answer all parts of the question

- a) Define ecosystem. List the components of ecosystem.
- b) Define ecological succession.
- c) What is meant by bio-fuel? How is it important in environmental conservation?
- d) What is acid rain? What are the causes and effects of acid rain?
- e) What are major water pollutants arising out of agricultural practices?
- f) Explain the First law of thermodynamics as applied to ecological energy flows.
- g) Differentiate between composting and vermicomposting.
- h) What are the causes of noise pollution? How is noise pollution measured?
- i) List the mitigation measures of natural disasters.
- j) "Diminishing means and increasing wants are the two root causes of all environmental problems" Comment on the statement.

Section B (answer any FOUR questions. 5 marks each)

- Q2 Though population growth shows a global decline, there is still cause for worry. Why?
- Q3 What are various renewable energy options? Explain why their use is important?
- Q4 What is meant by sustainable development? What are the global strategies to achieve sustainable development goals?
- Q5 Suggest possible role of World Wide Web (www) and GIS in environmental management.
- Q6 What are chlorofluorocarbons (CFC)? What are its major uses? Explain its significance in global atmospheric change.

Section C (answer any two questions. 10 marks each)

Q7

- (i) What is the necessity for a rational land use policy as part of the environmental policy?
- (ii) Critically examine the unequal consumption patterns of the developed and developing countries.

Q8 Write notes on

- (i) Public participation and NGO initiatives in India for environmental protection
- (ii) Global warming and policy initiatives

Q9

Explain the salient features of (a) Environment Protection Act (b) Air (Prevention and control of Pollution) Act (c) Water (Prevention and control of Pollution) Act (d) Wild life Protection Act