

- N.B.:** i) Question No 1 is compulsory  
ii) Attempt any 3 from Q.2 to Q.6  
iii) Figures to the right indicate marks.

**Q1. Attempt any Five [15]**

- a) Explain depleting nature of forests: causes, effects and prevention.
- b) Explain the concept of socio-economic aspects of sustainable development.
- c) What is meant by 'greenhouse effect' ?
- d) Write a short note : Environmental Clearance mechanism .
- e) What are limitations of conventional energy sources ?
- f) Write a short note on 'water crisis'.
- g) Explain the concept of 'carbon credit'.

**Q2.**

- a) Write a detailed account of 'Chipko movement'. [5]
- b) What are '3R control measures'? [5]
- c) Define 'noise pollution'. Which are its sources? What are its health effects? [5]

**Q3.**

- a) Explain principle, construction and working of electrostatic precipitator. [5]
- b) Discuss the case study of cloudburst and landslide at Kedarnath. [5]
- c) How electricity is generated from wind energy? [5]

**Q4**

- a) Discuss the case study of 'London smog'. [5]
- b) Write in details : Food chain and food web. [5]
- c) Write a note on : Green buildings – Concept and objectives. [5]

**Q5.**

- a) What is land pollution ? Discuss solid waste management. [5]
- b) Which are renewable energy resources ? Write about their importance. [5]
- c) Write on : Functions and powers of Central pollution control board. [5]

**Q6.**

- a) What is nuclear pollution ? Discuss Fukushima disaster. [5]
  - b) What is an ecosystem ? Discuss the classification of ecosystems with examples. [5]
  - c) Draw a schematic diagram of photovoltaic cell. Explain its principle and working. [5]
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