

- N.B.:** (1) Question No. 1 is compulsory.  
 (2) Attempt any **three** questions from Questions Nos. 2 to 6.  
 (3) **Figures to right** indicates full marks.  
 (4) Draw neat **sketches** wherever necessary.

1. Attempt any **five** of the following :— 15
- (a) Why acid-rains are caused ?
  - (b) What are the sources and effects of E-pollution ?
  - (c) How Indoor pollution is caused ?
  - (d) With suitable example explain the concept of food-chain.
  - (e) Which are renewable energy sources ? Why they are important ?
  - (f) What role is played by Ministry of Environment and Forest (MoEF) in conservation of Environment ?
  - (g) What is Appropriate Technology ?
2. (a) Explain Socio-Economic aspects of sustainable development. 5  
 (b) With the help of neat diagram, explain working of venturi Scrubber. 5  
 (c) Explain briefly how Photo voltaic cells are useful in harnessing solar energy ? 5
3. (a) Explain briefly Industrial waste water treatment. 5  
 (b) What are the powers and functions of Central Pollution Control Board ? 5  
 (c) Explain the concept and objectives of Green Building. 5
4. (a) How does Biomass and Energy flow are related in Ecological Pyramid ? 5  
 (b) How electricity can be generated from wind energy ? 5  
 (c) Explain salient features of Environmental Protection Act. 5
5. (a) How Resource utilisation as per carrying capacity is important for sustainable development ? 5  
 (b) With suitable diagram of steam power plant, explain how electricity can be obtained from geothermal energy ? 5  
 (c) What is Solid Waste Management ? How Solid Waste Management is done by composting ? 5
6. (a) Explain various methods or techniques for managing earthquakes ? 5  
 (b) What are the sources and effects of noise pollution ? 5  
 (c) Explain the relevance of 3R for sustainable development. 5