

Please check whether you have got the right question paper.

- N.B:
1. Question.No.1 is **compulsory**.
  2. Attempt any **three** questions from **Q. 2 to Q. 6**.
  3. Draw neat labelled **diagrams** wherever applicable.
  4. Figures to right indicate **full marks**.



- Q.1 Answer any five from the following:-** 15
- a) What are reasons for the depletion of soil resources?
  - b) Explain principle involved in working of photovoltaic cells.
  - c) Write a brief note on Noise Pollution.
  - d) Define 'Sustainable Development'. Why there is need for sustainable development?
  - e) Explain the term – 'carbon credits'.
  - f) What are the sources and consequences of Greenhouse effect?
  - g) Why there is need for public awareness on environmental education.
- Q.2**
- a) Write important features of case study on Narmada Bachao Andolan, took place in Gujarat in 1980. 5
  - b) Draw flow sheet diagram and explain the process of industrial waste water treatment. 5
  - c) Draw a schematic of flat plate collector and explain its role in trapping solar energy. 5
- Q.3**
- a) Give brief account of case study on London smog occurred in U.K. in December, 1952. 5
  - b) Write a brief note on environmental clearance and authorization mechanism. 5
  - c) Write the effects produced by different Indoor Air Pollutants. 5
- Q.4**
- a) What is ecological succession? What is its impact? 5
  - b) Write important powers and functions of State Pollution Control Board (SPCB). 5
  - c) Draw a neat labelled diagram and explain the process of generating electricity from geothermal energy. 5
- Q.5**
- a) Explain Economic and Environmental aspects associated with sustainable development. 5
  - b) Draw a neat diagram and explain working of Venturi Scrubber. 5
  - c) Draw a neat schematic and explain the process of hydropower generation. 5
- Q.6**
- a) Explain the reasons and effects of depletion of our natural forest resources. 5
  - b) How solid waste management is carried out by composting? 5
  - c) Explain the objectives of 'Green Building'. 5