

Q.P. Code : 18491

[Time: 2 Hours]

[Marks: 60]

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 necessary.
  4. Figures to the right indicate full marks.

- Q. 1** Attempt **any five** from the following: (20)
- a) Explain the reasons for depletion of soil resources.
  - b) When it is necessary to obtain environmental consent?
  - c) What causes 'Acid-Rain'? What are its adverse effects?
  - d) Explain social aspects of Sustainable development.
  - e) Draw a suitable diagram and explain only working principle used in extraction of geothermal energy.
  - f) Why Solid Waste Management is essential?
  - g) Write effects produced by any three indoor air pollutants.
- Q. 2**
- a) Explain significance of the term 'Resource Utilization per Carrying Capacity', in the context of sustainable development. (05)
  - b) Draw a neat diagram of Venturi Scrubber and briefly explain its working. (05)
  - c) Draw a suitable diagram and explain the process of hydropower generation. (05)
- Q. 3**
- a) How ozone layer depletion takes place? What are its adverse effects? (05)
  - b) Write briefly important powers and functions of State Pollution Control Board (SPCB). (05)
  - c) Explain how the techniques of disaster management are implemented at the time of Tsunami. (05)
- Q. 4**
- a) What are the causes and impact of depletion of our natural water resources? (05)
  - b) Write important features of 'Environmental Protection Act'. (05)
  - c) Draw a neat diagram and explain working of flat plate collector. (05)
- Q. 5**
- a) Explain the role of appropriate technology for better sustainable development. (05)
  - b) Briefly explain the process of Industrial Waste Water treatment. (05)
  - c) Explain how energy is produced from wind, with the help of suitable diagram. (05)
- Q. 6**
- a) What are the global environmental problems pertaining to minerals. (05)
  - b) What causes E-pollution? What will be its impact? (05)
  - c) What role is played by technology for better human health and environment? (05)

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