Paper / Subject Code: 58506 / Evironmental Studies (EVS).

[Time: 2 Hours]

Please check whether you have got the right question paper.

1. Question.No.1 is compulsory.

N.B:

Q.P. Code: 18491

[Marks: 60]

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. (20)Q. 1 Attempt **any five** from the following: 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 (05)sustainable development. 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)