

**(REVISED COURSE) QP Code : NP-17720**

( 2 Hours )

[ Total Marks : 60

- N.B. :** (1) Question No. 1 is **compulsory**.  
 (2) Answer any **three** questions from Q. Nos. 2 to 6.  
 (3) **Figures** to the **right** indicate **full** marks.  
 (4) Draw **neat diagrams** wherever **necessary**.

1. Attempt any **five** from the following :— 15
  - (a) Explain how energy flows in a food chain.
  - (b) Explain the classification of ecosystem.
  - (c) What is "Photochemical Smog" ?
  - (d) What is the role of Ministry of Environment and Forest ?
  - (e) What do you understand by "Geothermal Energy" ? Explain.
  - (f) Explain the concept of Green Building.
  - (g) What do you mean by "e-pollution" ?
  
2. (a) Explain in detail the 3 Rs namely Reuse, Recovery and Recycle as control measures of sustainability. 5  
 (b) Write a case study on "Minamata disease". 5  
 (c) Draw a neat schematic diagram of Hydropower plant and brief its working. 5
  
3. (a) Draw a neat and labelled diagram of "Venturi Scrubber" and explain its working. 5  
 (b) What type of Environmental clearances are required to set up and start an industrial unit ? 5  
 (c) Explain the concept of "Carbon Credit". 5
  
4. (a) Discuss the global environmental crisis in brief. 5  
 (b) What are the general powers of the central government stated in chapter-II of Environmental protection Act 1986 ? 5  
 (c) What are the limitations of conventional sources of energy ? 5
  
5. (a) How are utilization of resources is made as per the carrying capacity ? 5  
 (b) Explain solid waste management by "Land filling". 5  
 (c) What are the limitations of conventional sources of energy ? 5
  
6. (a) Explain "Food chain" and "Food web". 5  
 (b) How ozone is getting depleted from the atmosphere ? Explain with chemical reactions. 5  
 (c) What is the role of technology w.r.t. environment and health ? 5

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