

(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
