[2 Hours]   [Total Marks: 60]

Please check whether you have got the right question paper.

N.B: 1. Question no. 1 is compulsory.
2. Answer <u>any three</u> from remaining Q.2 to Q.6.
3. Draw neat labelled diagrams where applicable.
4. Figures to the right indicate full marks.

Q1. Attempt **any five** questions from the following:-   [15]
(a) Explain the effects of globally increasing population on the environment?
(b) Write powers and functions of 'Central Pollution Control Board' (CPCB).
(c) Write causes and effects of E-pollution.
(d) Compare : Conventional and Non-conventional sources of energy
(e) What are the causes and effects of ozone layer depletion?
(f) Give a brief account of carbon credits.
(g) Write environmental aspects of sustainability.

Q2. (a) Explain why measuring carrying capacity is important for sustainable growth.   [5]
(b) What causes global warming? How it is adversely affecting us?   [5]
(c) Explain briefly the process of hydropower generation with the help of suitable diagram. [5]

Q3. (a) Explain briefly the process of industrial waste water treatment.   [5]
(b) What MoE&F stands for? What is the role played by MoE&F towards conservation of   [5]
environment?
(c) Write the effects produced by Indoor Air Pollution.   [5]

Q4. (a) Explain the following terms briefly   [5]
(i) Food Web
(ii) Ecological Pyramid
(b) Write salient features of 'Environmental Protection Act.'   [5]
(c) Draw a neat diagram and explain the working of flat plate collector.   [5]

Q5. (a) Give the significance of 'Appropriate Technology' towards sustainability.   [5]
(b) Explain how composting is important tool to manage solid waste.   [5]
(c) With suitable diagram, explain geothermal process of generating energy.   [5]

Q6. (a) What are the causes and effects of depletion of our natural mineral resources? [5]
(b) Explain important objectives of green buildings.   [5]
(c) Draw a neat diagram of Venturi Scrubber and explain its working.   [5]

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