

- N.B.:** (1) Question No. 1 is compulsory.
 (2) Attempt any **three** questions from Questions Nos. 2 to 6.
 (3) **Figures to right** indicates full marks.
 (4) Draw neat **sketches** wherever **necessary**.

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| 1. | Attempt any five of the following :— | 15 |
| | (a) Why acid-rains are caused ? | |
| | (b) What are the sources and effects of E-pollution ? | |
| | (c) How Indoor pollution is caused ? | |
| | (d) With suitable example explain the concept of food-chain. | |
| | (e) Which are renewable energy sources ? Why they are important ? | |
| | (f) What role is played by Ministry of Environment and Forest (MoEF) in conservation of Environment ? | |
| | (g) What is Appropriate Technology ? | |
| 2. | (a) Explain Socio-Economic aspects of sustainable development. | 5 |
| | (b) With the help of neat diagram, explain working of venturi Scrubber. | 5 |
| | (c) Explain briefly how Photo voltaic cells are useful in harnessing solar energy ? | 5 |
| 3. | (a) Explain briefly Industrial waste water treatment. | 5 |
| | (b) What are the powers and functions of Central Pollution Control Board ? | 5 |
| | (c) Explain the concept and objectives of Green Building. | 5 |
| 4. | (a) How does Biomass and Energy flow are related in Ecological Pyramid ? | 5 |
| | (b) How electricity can be generated from wind energy ? | 5 |
| | (c) Explain salient features of Environmental Protection Act. | 5 |
| 5. | (a) How Resource utilisation as per carrying capacity is important for sustainable development ? | 5 |
| | (b) With suitable diagram of steam power plant, explain how electricity can be obtained from geothermal energy ? | 5 |
| | (c) What is Solid Waste Management ? How Solid Waste Management is done by composting ? | 5 |
| 6. | (a) Explain various methods or techniques for managing earthquakes ? | 5 |
| | (b) What are the sources and effects of noise pollution ? | 5 |
| | (c) Explain the relevance of 3R for sustainable development. | 5 |