

21/05/2025 BE IT SEM-VIII C-SCHEME EM QP CODE: 10086721

[Time: 3 Hours]

[Marks:80]

1. Questions No. 1 is Compulsory.
2. Attempt any three out of remaining Questions.
3. Figures to the right Indicate full marks.

Q.1 Attempt any Four.

20

- a) Explain any five Salient features of the Environment Protection Act, 1986.
- b) Describe the current energy scenario in India. What challenges does India face in meeting its energy demands?
- c) What is a food chain? How does it differ from a food web?
- d) What are atomic and biomedical hazards?.
- f) Explain the role of the government as a planning and regulatory agency.

Q.2 a) Discuss major environmental problems in India and their implications for public health and natural resources.

10

- b) Explain Ozone layer depletion? What are the Causes, effects and preventive measures of Ozone depletion?

10

Q.3 a) Define ecosystem. Classify different types of Ecosystems? What are the biotic and abiotic components of an ecosystem?

10

- b) Discuss the role of Central Pollution Control Board (CPCB) in pollution monitoring.

10

Q.4 a) What is ISO 14000? Explain its significance in environmental management and how it helps organizations reduce their environmental impact.

10

- b) What is Corporate Environmental Responsibility (CER)? Explain its importance and mention any three ways in which companies can practice CER to promote environmental sustainability.

10

Q.5 a) Compare natural and human-made sources of greenhouse gases. Which ones have the greatest impact on global warming and why? Support your answer with examples

10

- b) What is Environmental Quality Management (EQM)? Explain its objectives in detail.

10

Q.6 a) With reference to EMS, explain PDCA cycle with neat diagram.

10

- b) Critically evaluate the concept of sustainable development as a multidimensional approach. How does it reconcile the conflicting goals of economic growth, environmental conservation, and social equity?

10