



CBCS SCHEME

18CV753

Seventh Semester B.E./B.Tech. Degree Examination, June/July 2025 Environmental Protection and Management

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain two unique characteristics that make environmental problems distinct from other types of management challenges. (10 Marks)
b. Briefly describe the "System Approach" to corporate environmental management and why it is considered beneficial. (10 Marks)

OR

- 2 a. What are the two key business strategy drivers that push companies towards greater environmental stewardship? (10 Marks)
b. Briefly outline two of the National Policies on the Environment in India and their primary objectives. (10 Marks)

Module-2

- 3 a. Differentiate between concentration based and mass based environmental standards, providing a brief example of each. (10 Marks)
b. Explain the rationale behind setting environmental standards. What is the ultimate goal they aim to achieve? (10 Marks)

OR

- 4 a. Briefly compare and contrast pollution control and pollution prevention approaches. (10 Marks)
b. What is the concept of "Closing the Loops" in the context of environmental management. (10 Marks)

Module-3

- 5 a. Briefly describe the core purpose of an Environmental Management System (EMS) as per ISO : 14001. (10 Marks)
b. What is an "Environmental Aspect" and "Environmental Impact" in the context ISO : 14001? Provide one example of each related to a manufacturing facility. (10 Marks)

OR

- 6 a. Briefly explain the significance of "Continual Improvement" and "Pollution Prevention" as guiding principles within an EMS. (10 Marks)
b. List three key elements that should be included in an organization environmental policy. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8=50, will be treated as malpractice.

Module-4

- 7 a. According to ISO : 19011, what is the primary objective of an environmental management system audit? (10 Marks)
b. Briefly describe the difference between a Compliance Audit and a Waste Audit. (10 Marks)

OR

- 8 a. What is the purpose of "Corrective Actions" and "Preventive Actions" identified during an environmental audit? (10 Marks)
b. What is the main purpose of an environment statement (Form V) that organization in India are required to submit? (10 Marks)

Module-5

- 9 a. Briefly describe one key environmental challenge specific to the textile industry and how an EMS can help address it. (10 Marks)
b. What are two common characteristics that classify a waste as "Hazardous"? (10 Marks)

OR

- 10 a. Briefly outline one common treatment method for hazardous waste and one common disposal method. (10 Marks)
b. What is the significance of controlling the trans boundary movement of hazardous wastes? (10 Marks)
