

# CBCS SCHEME

18CV753



Seventh Semester B.E./B.Tech. Degree Examination, June/July 2025

## Environmental Protection and Management

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)

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### 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)

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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)

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