

CBCS SCHEME

21CV753



Seventh Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026 Environmental Protection and Management

Max. Marks: 100

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

Module-1

- 1 a. Enumerate the various environment management principles and explain any two principles. (10 Marks)
- b. Briefly explain the classification of environmental impact reduction efforts. (10 Marks)

OR

- 2 a. Discuss the various drivers and barriers for sustainable development. (10 Marks)
- b. Highlight the charter on corporate responsibility for environmental protection. (10 Marks)

Module-2

- 3 a. Explain environmental performance evaluation process using PDCA cycle. (10 Marks)
- b. Describe zero liquid technologies. (10 Marks)

OR

- 4 a. Enumerate the various environment quality objectives and explain any two objectives. (10 Marks)
- b. Elaborate on concentration and mass standards. (10 Marks)

Module-3

- 5 a. What are the benefits and barriers of an ISO14001 certification, explain briefly. (10 Marks)
- b. Discuss the operational control and monitoring and measurement in environmental management system. (10 Marks)

OR

- 6 a. List the components in a successful environmental management system and explain any two components. (10 Marks)
- b. Write a short note on environmental management programs. (10 Marks)

Module-4

- 7 a. Describe environmental management system audits as per ISO 19011. (10 Marks)
- b. Highlight the contents of environmental statement (Form-V). (10 Marks)

OR

- 8 a. Elucidate the roles and qualification of environmental auditor. (10 Marks)
- b. What are the different phases of waste minimization planning, explain any three. (10 Marks)

Module-5

- 9 a. Elucidate pollution prevention and control in pulp and paper industry. (10 Marks)
- b. List the different disposal methods of hazardous waste, explain any two methods. (10 Marks)

OR

- 10 a. Elaborate pollution prevention and control in textile industry. (10 Marks)
- b. Write a short note on hazardous waste characteristics and treatment. (10 Marks)

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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.