

# CBCS SCHEME

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## Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024 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 unique characteristics of Environmental problems with examples. (10 Marks)
- b. Describe the classification made to environmental Impact Reduction Efforts. (10 Marks)

OR

- 2 a. Explain the Environmental Management Principles. (10 Marks)
- b. Explain National policies for the abatement of pollution. (10 Marks)

### Module-2

- 3 a. List and explain the environmental quality objectives. (10 Marks)
- b. What are cleaner production and clean technology? (10 Marks)

OR

- 4 a. Write a note on 'Closing the Loops' with industries. (10 Marks)
- b. Explain the purpose and objective of environmental performance indicators. (10 Marks)

### Module-3

- 5 a. Distinguish between EMS and EMAS, with a neat sketch and explain the components of EMS. (10 Marks)
- b. What is ISO? State the requirements and recommended approach to implementing of ISO 14000 with an organization. (10 Marks)

OR

- 6 a. Define environmental policy and write the note on developing environmental policy. (10 Marks)
- b. Write a note on identifying environmental aspects and impacts within an organizational set-up. (10 Marks)

### Module-4

- 7 a. Define Environmental Audit. Explain the objectives and scope of EA. (10 Marks)
- b. Explain the Environmental performance indicators and their evolution. (10 Marks)

OR

- 8 a. List and describe the general steps in an Environmental Auditing. (08 Marks)
- b. Write a short note on waste audit and waste minimization planning in any industry. (12 Marks)

### Module-5

- 9 a. Write in brief about air and water pollution prevention opportunities in textile industry. (10 Marks)
- b. Explain the concept of transboundary of pollutants of hazardous waste. (10 Marks)

OR

- 10 Explain in brief about applications of EMS applied in textile, sugar, pulp and paper, electroplating, tanning industries. (20 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.