CBCS SCHEME

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18CV753

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.

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-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)

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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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