



CBCS SCHEME

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Seventh Semester B.E. Degree Examination, June/July 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. Define Environmental Management. Discuss different system approach to Corporate Environmental Management. (10 Marks)
b. Explain classification of environmental impact reduction efforts. (10 Marks)

OR

- 2 a. Discuss business charter principles for sustainable production and consumption. (10 Marks)
b. Explain the corporate responsibility for environmental protection with environmental stewardship. (10 Marks)

Module-2

- 3 a. Define the Environmental Quality Objectives. (10 Marks)
b. Differentiate Effluent and Stream Standards. (10 Marks)

OR

- 4 a. Define environmental performance evaluation. (10 Marks)
b. Distinguish between Pollution Prevention and Pollution Control. (10 Marks)

Module-3

- 5 a. Explain EMAS, ISO: 14000 – EMS as per ISO:14001 with neat sketch. (10 Marks)
b. Overview of environmental policy and concept of continual improvement and pollution prevention. (10 Marks)

OR

- 6 a. Explain Environmental aspect and impact analysis with legal and other requirement. (10 Marks)
b. Define objectives and targets of environmental management programs. (10 Marks)

Module-4

- 7 a. Explain Environmental management system audits per ISO – 19011. (10 Marks)
b. Explain the Roles and Quantification of auditors. (10 Marks)

OR

- 8 a. Define Environmental performance indicators and their evaluation. (10 Marks)
b. Explain corrective and preventive actions of compliance audits, waste audits and waste minimization planning. (10 Marks)

Module-5

- 9 a. Explain the applications of EMS and waste audits in waste management. (10 Marks)
b. Explain disposal procedures of hazardous waste management. (10 Marks)

OR

- 10 a. Write a note on application of EMS in Tanning Industry. (10 Marks)
b. Explain Hazardous Wastes and classification characteristics treatment and disposal methods. (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.