



Seventh Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
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. Enumerate the various environmental management principles. Explain any two principles. (10 Marks)
- b. Explain abatement of pollution. List out the major activities initiated under the various scheme on pollution Abatement. (10 Marks)

OR

- 2 a. Write a note on Environmental stewardship. (10 Marks)
- b. Write a brief about the organizational drivers to the implementation of environmental management systems. (10 Marks)

Module-2

- 3 a. List and explain the environmental quality objectives. (10 Marks)
- b. Briefly explain :
 - i) Clean production and clean technology
 - ii) Concentration and mass standards (10 Marks)

OR

- 4 a. Explain the factors of CPCB. (10 Marks)
- b. Explain environmental performance indicators for an organization. (10 Marks)

Module-3

- 5 a. Enumerate the benefit and barriers in implementing ISO 14001 in an organization. (10 Marks)
- b. Write a note on :
 - i) Initial Environmental Review (IER)
 - ii) Management Review (MR) (10 Marks)

OR

- 6 a. Write a note on environmental aspects and impact with an organization setup. (10 Marks)
- b. Define environmental policy and write a note on developing environmental policy. (10 Marks)

Module-4

- 7 a. With an example, explain of environmental due-Diligence Audit. (10 Marks)
- b. Enumerate the contents of environmental statement (Form V) (10 Marks)

OR

- 8 a. Write a note on waste minimization planning in an industry. (10 Marks)
- b. Explain briefly :
i) Non conformity
ii) Roles and qualification of Auditors (10 Marks)

Module-5

- 9 a. Explain Transboundary movement of pollutant with an example. How to manage this problem. (10 Marks)
- b. Explain the pollution prevention methods adopted in an electroplating industry. (10 Marks)
- 10 a. Discuss pollution prevention opportunities in pulp paper and sugar mills. (10 Marks)
- b. Briefly discuss the application of EMS and waste Audit. (10 Marks)
