

CBCS SCHEME



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15CV662

Sixth Semester B.E. Degree Examination, June/July 2019 Environmental Protection and Management

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Explain Unique characteristics of Environmental problems with example. (08 Marks)
b. Explain drivers and barriers for sustainable development. (08 Marks)

OR

- 2 a. Discuss 'Business charter principles' for sustainable production and consumption. (12 Marks)
b. Write short notes on :
i) Environmental Stewardship.
ii) Corporate responsibility for Environmental protection. (04 Marks)

Module-2

- 3 a. Discuss and explain "Environmental quality objectives" with examples. (12 Marks)
b. Write a note on "Closing the Loops" in industries. (04 Marks)

OR

- 4 a. Explain the following : i) Mass and concentration standards ii) Effluent and stream standards iii) Emission and ambient standards iv) Minimum National standards. (12 Marks)
b. Explain Environmental performance indicators for an organization. (04 Marks)

Module-3

- 5 a. Explain EMS and EMAS. (08 Marks)
b. Mention contents of ISO 14001. (08 Marks)

OR

- 6 a. Write short notes on : i) Initial Environmental review ii) Objectives and Targets iii) Document control iv) Management review. (12 Marks)
b. Explain the concept of continual improvement of environmental quality. (04 Marks)

Module-4

- 7 a. Explain Management system audits as per ISO 19011. (10 Marks)
b. Explain Environmental statement – Form v. (06 Marks)

OR

- 8 a. Discuss the roles and qualifications of Environmental auditors. (08 Marks)
b. With suitable example, explain corrective and preventive actions after preparation of checklist. (08 Marks)

Module-5

- 9 a. Briefly discuss the applications of EMS and waste audits. (10 Marks)
b. Explain the concept of Trans boundary of pollutants. (06 Marks)

OR

- 10 a. Discuss pollution prevention opportunities in Pulps paper mill and Tanning industry. (12 Marks)
b. Discuss the disposal procedures involved in hazardous waste disposal. (04 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.