

CBCS SCHEME

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18PC751

Seventh Semester B.E. Degree Examination, July/August 2022 Environmental Science and Solid Waste 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 briefly on scope and importance of risk and hazard. (10 Marks)
b. Explain biological hazard with an example. (10 Marks)

OR

- 2 a. What are the different types of ecosystems? (12 Marks)
b. Write a note on Grassland Ecosystem and Aquatic ecosystems. (08 Marks)

Module-2

- 3 a. Explain the main cause of environmental pollution. (10 Marks)
b. Write a note on Green house effect. (10 Marks)

OR

- 4 a. What are the effects of water pollution? Explain. (10 Marks)
b. What are the pollutants of radioactive pollution? Explain. (10 Marks)

Module-3

- 5 a. Which method is useful for analyzing biological pollutants in water? Explain. (10 Marks)
b. What is suspended solid in wastewater? Explain. (10 Marks)

OR

- 6 a. Explain the major aquatic chemical process. (10 Marks)
b. What is ozone layer depletion and its effects? Explain. (10 Marks)

Module-4

- 7 a. Explain different types of solid wastes. (15 Marks)
b. What are the main characteristics of hazardous waste? (05 Marks)

OR

- 8 a. What is source reduction and how does it help to prevent pollution? (10 Marks)
b. Explain legislations for pollution control. (10 Marks)

Module-5

- 9 a. What are the steps of waste hierarchy? Explain. (12 Marks)
b. Explain the main purpose of Environment Act. (08 Marks)

OR

- 10 Write a note on:
a. Pollution Prevention Act.
b. Organic and Inorganic sediments.
c. Oxygen cycle.
d. Eutirification. (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.