

GBCS SCHEME

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18ME753

Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024 Industrial Safety

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain the terms : i) Accident ii) Hazard iii) Slip iv) Fall and v) Caution. (10 Marks)
b. Explain briefly causes of Industrial Accidents. (10 Marks)

OR

- 2 a. With sketch, explain Computer Aided Hazard Analysis. (10 Marks)
b. List all Environmental Acts of India. (10 Marks)

Module-2

- 3 a. What are the causes of Fire hazard? (10 Marks)
b. Explain class of fire with examples and fire extinguisher used. (10 Marks)

OR

- 4 a. What are the different ways to prevent fire at home or building? (10 Marks)
b. List the safety sign boards with sketch. (10 Marks)

Module-3

- 5 a. What is PPE? List different types of PPE's and its use. (10 Marks)
b. What are the safety measures to be taken to avoid Front light hazard? (10 Marks)

OR

- 6 a. What are the safe work practices for drill press? (10 Marks)
b. List all good practices to be followed while welding activity. (10 Marks)

Module-4

- 7 a. List all Indian standards on Electrical Safety. (10 Marks)
b. What are the causes for Electrical Accident? (10 Marks)

OR

- 8 a. Briefly explain on : i) Fuse ii) Circuit Breakers. (10 Marks)
b. What are the Electric Safety precautions to be taken at home? (10 Marks)

Module-5

- 9 a. Explain briefly on Chemical Safety. (10 Marks)
b. Write steps to be followed for Accident Investigation. (10 Marks)

OR

- 10 a. Explain on Safety Audit Procedure. (10 Marks)
b. What are the Safety precautions to be followed for Confined Space entry? (10 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.