



CBCS SCHEME

18ME753

Seventh Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026

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. List and explain safety measures to adopt while using ladders and scaffoldings. (10 Marks)
b. Explain the terms TRIPS, SLIP and Falls with appropriate sketch. (10 Marks)

OR

- 2 a. Mention any five unsafe acts and unsafe condition that leads to industrial accidents. (10 Marks)
b. List and explain the types of safety guards employed in machine. (10 Marks)

Module-2

- 3 a. Write a short note : i) Flash Fire ii) Jet Fire iii) Pool Fire
iv) Auto Ignition v) Source of Ignition (10 Marks)
b. What are the various tips on how and when the use fire extinguisher? (10 Marks)

OR

- 4 a. List and explain the types of portable fire extinguishers used for class A, B, C, D and E. (10 Marks)
b. List and explain the steps required to initiate after occurrence of fire. (10 Marks)

Module-3

- 5 a. Explain the safety precautions taken at working with Drilling Machine Tool. (10 Marks)
b. List and explain the basic type of PPE on its application. (10 Marks)

OR

- 6 a. Explain the safety precautions to be taken in welding practices. (10 Marks)
b. What are the safety precautions taken at compressed gas cylinder? (10 Marks)

Module-4

- 7 a. List out the factors to be considered at General Electrical work space. (10 Marks)
b. Explain and illustrate the effect of electric current on human body. (10 Marks)

OR

- 8 a. List and explain the preventive measures for Electric Accidents. (10 Marks)
b. List and explain the safety precautions against Electric Shock. (10 Marks)

Module-5

- 9 a. Explain the various methods for labeling of chemicals. (10 Marks)
b. With suitable illustration, explain safety policies imposed on company. (10 Marks)

OR

- 10 a. Explain the safety precautions to be followed while installing CNG. (10 Marks)
b. Explain the chemical safety measures required to follow while working in confined space. (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.

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