

CBCS SCHEME

15ME662



USN

Sixth Semester B.E. Degree Examination, July/August 2022

Industrial Safety

Max. Marks: 80

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

Module-1

- 1 a. Define : i) Scaffolding ii) Slip iii) Trip iv) Fall. (04 Marks)
b. Write short notes on OSHA. (04 Marks)
c. List out at least 8 unsafe acts. (08 Marks)

OR

- 2 a. With an example, list out the salient features of MSDS. (08 Marks)
b. List out some of the unsafe acts. (08 Marks)

Module-2

- 3 a. Draw a neat sketch of : i) CO₂ extinguisher ii) Foam Type extinguisher (08 Marks)
b. What are the instructions available on a portable fire extinguisher? (08 Marks)

OR

- 4 a. What are the steps to be taken after fire breakout? (08 Marks)
b. Draw at least 8 PPE used in fire safety. (08 Marks)

Module-3

- 5 a. Write short notes on safety measures to be taken during operations : i) Lathe ii) welding . (08 Marks)
b. List the various PPE's used in manufacturing industry. (08 Marks)

OR

- 6 a. List the safety measures while handling :
i) CNG ii) LPG cylinder. (08 Marks)
b. How are tanks and containers containing corrosive substances disposed off? (08 Marks)

Module-4

- 7 a. Discuss the effects of electric current on Human body. (08 Marks)
b. Discuss the various safety measures to be taken in large Apartment complexes against electric hazard. (08 Marks)

OR

- 8 a. Define : i) Primary shock ii) Secondary shock. (04 Marks)
b. List DO's and Dont's while handling electricity. (08 Marks)
c. Draw 4 PPE used in electric field. (04 Marks)

Module-5

- 9 a. Write short notes on : i) Acid Hoods ii) Eye washers and showers (08 Marks)
b. Write check list for installation of : i) LPG ii) CNG. (08 Marks)

OR

- 10 a. List the steps involved in accident investigation of chemical industry. (08 Marks)
b. How is safety audit done? Also enumerate the characteristics of confined spaces. (08 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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