



# CBCS SCHEME

18ME753

## Seventh Semester B.E. Degree Examination, Jan./Feb. 2023 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. Define the term industrial safety. Explain its significance role in industry. (10 Marks)  
b. Explain the following:  
(i) MSDS  
(ii) Slip  
(iii) Trip  
(iv) Fall (10 Marks)

OR

- 2 a. What is called locked out and tag out procedure? Explain with suitable example. (10 Marks)  
b. Write a note on a case study about the road safety. (10 Marks)

### Module-2

- 3 a. What is called Fire Triangle? Explain with suitable sketch. (10 Marks)  
b. Explain different types of fire and its hazardous effect with some example. (10 Marks)

OR

- 4 a. What is called fire extinguisher and how it is operated? Explain with all its parts with sketch. (10 Marks)  
b. Explain about the different types of fire hazards which are observed our surrounding. (10 Marks)

### Module-3

- 5 a. Write short notes on the following:  
(i) PPE  
(ii) Machine Safety Tools (10 Marks)  
b. What are various mechanical hazards in industry? Explain with example. (10 Marks)

OR

- 6 a. Write short notes on the following:  
(i) Safety for compressed gas cylinder  
(ii) Safety for lathe machine (10 Marks)  
b. Discuss with a case study about the safety measure for construction industry. (10 Marks)

### Module-4

- 7 a. Define electrical safety. What are the factors which ensure electrical safety in work place? (10 Marks)  
b. List and explain various causes of electrical accident. (10 Marks)

OR

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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- 8 a. Explain about the various safety precaution against shock while residential building installation. (10 Marks)  
b. With suitable case studies, explain the standard measure taken by local distribution system. (10 Marks)

**Module-5**

- 9 a. What is called chemical safety and explain its various chemical hazards. (10 Marks)  
b. Write short notes on:  
(i) Acid hoods  
(ii) Eye washer (10 Marks)

**OR**

- 10 a. Explain the various methods for labeling of chemicals. (10 Marks)  
b. Explain the various reason of accident in chemical industry with suitable case studies. (10 Marks)

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