



CBCS SCHEME

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18CV653

Sixth Semester B.E. Degree Examination, June/July 2024 Occupational Health and 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 History and Development of Occupational Health and Safety. (10 Marks)
- b. Explain briefly : i) Occupational Health and Safety administration (10 Marks)
ii) Right to know Laws.

OR

- 2 a. Discuss roles and responsibilities of a Supervisor in accident investigation. (10 Marks)
- b. Explain Accident Investigation. (10 Marks)

Module-2

- 3 a. Explain various Ergonomic Hazards and its prevention. (10 Marks)
- b. Explain : i) Visual Ergonomics ii) Workspace Envelops. (10 Marks)

OR

- 4 a. Explain Fault Tree Analysis. (10 Marks)
- b. List the various points during Emergency Response. (10 Marks)

Module-3

- 5 a. Define Fire Triangle with sketch and explain classification of Fires. (10 Marks)
- b. Explain different types of fire Extinguishers. (10 Marks)

OR

- 6 a. Describe the purpose of Electrical Safety. (10 Marks)
- b. Summarise the Technical requirements of a product safety programs. (10 Marks)

Module-4

- 7 a. Discuss about Health problems at Workplace. (10 Marks)
- b. Explain briefly different types of Occupational Health Diseases. (10 Marks)

OR

- 8 a. Explain different types of Personal Protective equipments. (10 Marks)
- b. What is meant by Environmental Management Plans? Discuss the plans for Safety and sustainability. (10 Marks)

Module-5

- 9 a. Explain Health and Safety aspects to be considered in Waste Water Treatment plants. (10 Marks)
- b. Discuss the Potential Hazards for workers in a Construction Site. (10 Marks)

OR

- 10 a. Explain roles and responsibilities of Managers in Construction Industry. (10 Marks)
- b. Discuss the Handling of Chemicals in Laboratories. (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.