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18MN742

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022
Occupational Health and General Safety

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Discuss Safety Conference and their impact on Accident prevention. (10 Marks)
b. Explain the principal objectives behind feedback on safety. (10 Marks)

OR

- 2 a. Discuss the importance of Safety education and training. (10 Marks)
b. Explain the recommendations made under the 12th Safety conference. (10 Marks)

Module-2

- 3 a. Explain the statutory requirements in establishment and location of rescue station. (10 Marks)
b. Explain the permissible standard of dustiness in Mines. (10 Marks)

OR

- 4 a. Explain the types of pneumoconiosis or lung diseases usually seen in miners. (10 Marks)
b. Discuss the notified diseases and its preventive measures. (10 Marks)

Module-3

- 5 a. Explain briefly the standing order in the event of inundation. (10 Marks)
b. Explain regulation 119 of MMR 1961 on precautions against fire. (10 Marks)

OR

- 6 a. Discuss the By – laws related to Diesel locomotives. (10 Marks)
b. Explain the standing order in the event of failure of main mechanical ventilator. (10 Marks)

Module-4

- 7 Write an accident enquiry report for an accident caused due to fly rock from blasting injury a person who was placed at a distance of 300m from the blasting site. (20 Marks)

OR

- 8 a. Discuss the accident statistics and its importance on Accident prevention. (10 Marks)
b. Explain the main objectives behind classifying the Accidents. (10 Marks)

Module-5

- 9 a. Explain the Minimum Accidental Planning (MAP) for the general Safety of workers. (10 Marks)
b. Discuss the importance of Inspection for Safety in Mines. (10 Marks)

OR

- 10 a. Briefly explain the principal objectives of Job Safety Analysis. (10 Marks)
b. Discuss the advantages of collection and presentation of accidental records in Accidental planning. (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.