

# CBCS SCHEME

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15MN742

## Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019 Occupational Health and General Safety

Time: 3 hrs.

Max. Marks: 80

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

### Module-1

- 1 a. Explain briefly the recommendations of 11<sup>th</sup> Safety conference. (08 Marks)  
b. Write a note on Safety Education and Training. (08 Marks)

OR

- 2 a. Write about composition and functions of Pit Safety Committee. (08 Marks)  
b. Write about feedback on safety. (08 Marks)

### Module-2

- 3 a. Explain briefly Pneumoconiosis and Nystagmus as miner's diseases and their preventive measures. (08 Marks)  
b. Write note on Safety and occupational health survey. (08 Marks)

OR

- 4 a. Explain briefly about the establishment, location and function of Rescue station as per Mine Rescue Rule, 1985. (08 Marks)  
b. Explain the Fresh Air Base and enumerate the list of equipments in Fresh Air Base as per Mine Rescue Rule, 1985. (08 Marks)

### Module-3

- 5 a. What are the standing orders in event of fire in mines? (08 Marks)  
b. What are the standing orders in event of inundation in mines? (08 Marks)

OR

- 6 a. What are the bye-laws related to ANFO (Ammonium Nitrate Fuel Oil) explosive. (08 Marks)  
b. What are the bye-laws related to bulk transportation explosives. (08 Marks)

### Module-4

- 7 a. What are the classification of accidents in mines? Explain them briefly. (08 Marks)  
b. Explain the various causes of accident in mines. (08 Marks)

OR

- 8 a. Explain the various preventive measures of accidents in mines. (08 Marks)  
b. Write an accident enquiry report for accident due to roof fall. (08 Marks)

### Module-5

- 9 a. Write a note on collection and presentation of accidental records. (08 Marks)  
b. Write a note on Zero Accident Planning (ZAP) and Minimum Accident Planning (MAP). (08 Marks)

OR

- 10 a. Write a note on accident compensation. (08 Marks)  
b. Explain the Job Safety Analysis. (08 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.