

CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

18MN742

Seventh Semester B.E. Degree Examination, Jan./Feb. 2023 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 in detail safety conference and their impact on accident prevention in mines. (10 Marks)
- b. Explain the impotence of safety education and training on mine workers. (10 Marks)

OR

- 2 a. Explain the role of DGMS in maintaining safety in mines. (10 Marks)
- b. Explain the recommendations of 10th safety conference of mines. (10 Marks)

Module-2

- 3 a. Discuss on the types of lung diseases seen in miners. (10 Marks)
- b. Explain safety and occupational health survey and its importance in mining industry. (10 Marks)

OR

- 4 a. Briefly discuss on the permissible standard of dustiness in mines. (10 Marks)
- b. Explain the duties and responsibilities of rescue superintendent as per the mines rescue rule 1985. (10 Marks)

Module-3

- 5 a. Explain briefly the standing order in the event of failure of main mechanical ventilator. (10 Marks)
- b. Explain the bye-laws related to the bulk transportation of explosives. (10 Marks)

OR

- 6 a. Explain the bye laws for the use of diesel locomotives. (10 Marks)
- b. Explain the standing order in the event of fire. (10 Marks)

Module-4

- 7 a. Discuss the various classifications of mining accidents based on its causes. (10 Marks)
- b. Explain the importance of analyzing the statistics of mine accidents. (10 Marks)

OR

- 8 Write an accident enquiry report for a fatal accident caused due to flyrock and lack of Blast area security resulting in death of a local villager. (20 Marks)

Module-5

- 9 a. Discuss the objective behind the collection and presentation of mine accidental records. (10 Marks)
- b. Explain the importance of job safety analysis. (10 Marks)

OR

- 10 a. Discuss on zero accidental planning (ZAP) and how it can be implemented in mines. (10 Marks)
- b. Discuss how inspection for safety can help in the prevention of mining accidents. (10 Marks)

* * * * *