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GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER-VIII • EXAMINATION – SUMMER • 2014

Subject Code: 182204 Date: 29-05-2014

Subject Name: Mine Safety Engineering

Time: 10:30 am - 01:00 pm Total Marks: 70

Instructions:

1. Attempt all questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Classify the different kinds of accidents that take place in mines.	07
	(b)	Explain the accident and incidental analysis.	07
Q.2	(a)	Explain risk analysis with flow chart diagram.	07
	(b)	Explain the statutory provision for the personal protective equipment.	07
		OR	
	(b)	What are the steps being taken to improve the safety in Indian mines?	07
Q.3	(a)	Describe the safety policy and program in mines.	07
	(b)	Write a note on the job safety analysis.	07
		OR	
Q.3	(a)	Explain the appraisal of safety program.	07
	(b)	How do you determine the accident proneness in mining operation?	07
Q.4	(a)	Write a note on the mine vocational training records and reports.	07
	(b)	Explain occupational health hazards and environment factors affecting safety in mines.	07
		OR	
Q.4	(a)	Describe the role of safety officer in mines.	07
	(b)	Describe the function of pit safety committee.	07
Q.5	(a)	Explain the role of workmen inspector.	07
	(b)	What is the role and function of Directorate general of Mines Safety (DGMS).	07
	` ′	OR	
Q.5	(a)	Explain the publicity and propaganda for safety.	07
•	(b)	Write a note on the appraisal of trainees.	07
