

Seat No.: _____

Enrolment No. _____

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**
