

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- VIIIth SEMESTER-EXAMINATION – MAY- 2012****Subject code: 182204****Date: 16/05/2012****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) Explain development of industrial safety in mining operation. **07**
- (b) What are the causes behind any accident that take place in mines? **07**
Write an accident report assuming your own condition.
- Q.2** (a) Write a note on personal protective equipment. **07**
- (b) Classify the different kinds of accidents that take place on mines. **07**
- OR**
- (b) Explain the accident and incident analysis. **07**
- Q.3** (a) Describe the role of workmen inspector. **07**
- (b) Explain the publicity and propaganda for safety. **07**
- OR**
- Q.3** (a) Write a note on accidents record and statistics. **07**
- (b) Describe the function of pit safety committee. **07**
- Q.4** (a) Explain appraisal of safety program. **07**
- (b) Elaborate the importance of Safety education and training in mine safety. **07**
- OR**
- Q.4** (a) How the Vocational training is the aid of safety and productivity? **07**
- (b) Write a note on Appraisal of trainees. **07**
- Q.5** (a) Write a note on vocational training centre. **07**
- (b) Explain assessment and evaluation of training schemes. **07**
- OR**
- Q.5** (a) Write a note on job safety analysis. **07**
- (b) How do you determine the accident proneness in mining operation? **07**
