

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2182204

Date: 06/05/2017

Subject Name: Mine Safety Engineering

Time: 10:30 AM to 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) Describe the role of safety officer in mines? **07**
- Q.2** (a) Classify the different kinds of accidents that take place in mines. Explain in brief. **07**
(b) What are the steps taken for the improvement of safety in Indian mines? **07**
- OR**
- (b) Explain the accident and incidental analysis. **07**
- Q.3** (a) Explain the appraisal of safety program. **07**
(b) Write a note on Personal protective equipment used in mines. **07**
- OR**
- Q.3** (a) Write a note on accident proneness in mining operation. **07**
(b) Describe the role of workmen inspector in mines? **07**
- Q.4** (a) What are the causes of accident? As a mining engineer prepare a report on an accident occurred in a mine. **07**
(b) Write a note on job safety analysis. **07**
- OR**
- Q.4** (a) Explain function of pit safety committee. **07**
(b) Discuss the importance of Safety education and training in mine safety. **07**
- Q.5** (a) Discuss about the vocational training as an aid of safety and productivity. **07**
(b) Explain the publicity and propaganda for safety in mines. **07**
- OR**
- Q.5** (a) Write a short note on motivation of workers. **07**
(b) Explain assessment and evaluation of training schemes. **07**
