

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015****Subject Code: 182204****Date: 07/05/2015****Subject Name: Mine Safety Engineering****Time: 10.30AM-01.00PM****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) List out different personal protective equipment. Explain any one in briefly. **07**
(b) Explain the steps being taken to improve safety in Indian mines. **07**
- Q.2** (a) Discuss classification of accident in mines. **07**
(b) Describe the duties of workman inspector in mines. **07**
- OR**
- (b) Describe the Functions of safety officer in mines. **07**
- Q.3** (a) How you determine the accidents record and statistic. **07**
(b) Explain the publicity and propaganda for safety. **07**
- OR**
- Q.3** (a) Write a note on mine vocational training records and reports. **07**
(b) Describe safety policy and program in mines. **07**
- Q.4** (a) Describe assessment and evaluation of training schemes. **07**
(b) Write a note on Appraisal of trainees. **07**
- OR**
- Q.4** (a) Write a note on job safety analysis. **07**
(b) How do you determine the accident proneness in mining operation? **07**
- Q.5** (a) Give the causes behind any accident that take place in mines? Add a note on accident report assuming your own condition. **07**
(b) Elaborate the importance of Safety education and training in mine safety. **07**
- OR**
- Q.5** (a) Describe the duties of pit safety committee. **07**
(b) Describe occupational health hazards and environment factor affecting safety in mining leading to accident. **07**
