

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII • EXAMINATION – SUMMER 2013****Subject Code: 182204****Date: 10-05-2013****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) Describe safety policy and program in mines. **07**

(b) Explain classification of accident in mines. **07**

Q.2 (a) Explain the publicity and propaganda for safety in mines. **07**

(b) Explain statutory provision for personal protective equipment. **07**

OR

(b) Describe the function of pit safety committee. **07**

Q.3 (a) Explain the accident and incident analysis. **07**

(b) What are the steps being taken to improve safety in Indian mines? **07**

OR

Q.3 (a) Explain occupational health hazards and environment factor affecting safety in mining leading to accident **07**

(b) Explain appraisal of safety program. **07**

Q.4 (a) Describe the role of workmen inspector. **07**

(b) How you determine the accident proneness in mining operation? **07**

OR

Q.4 (a) Explain risk analysis with flow chart diagram **07**

Q.4 (b) Write a note on accidents record and statistics **07**

Q.5 (a) Describe the role of safety officer in mines. **07**

(b) Write a note on mine vocational training records and reports. **07**

OR

Q.5 (a) How the vocational training is the aid of safety and productivity? **07**

(b) Explain assessment and evaluation of training schemes. **07**
