Seat No.:	Enrolment No.

## **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. (a) Describe safety policy and program in mines. **Q.1 07 (b)** Explain classification of accident in mines. 07 0.2 (a) Explain the publicity and propaganda for safety in mines. 07 **(b)** Explain statutory provision for personal protective equipment. 07 **(b)** Describe the function of pit safety committee. **07** 0.3 (a) Explain the accident and incident analysis. **07 (b)** What are the steps being taken to improve safety in Indian mines? **07** OR (a) Explain occupational health hazards and environment factor affecting safety in **Q.3 07** mining leading to accident **(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** (a) Explain risk analysis with flow chart diagram **Q.4 07 (b)** Write a note on accidents record and statistics 0.4 **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

\*\*\*\*\*