

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII EXAMINATION – SUMMER 2016****Subject Code:182201****Date:10/05/2016****Subject Name:Mine & Mineral Economics****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) How is mineral extraction affecting Indian economy? **07**
 (b) Why mining is considered as risky industry? **07**
- Q.2** (a) What are the different types of taxes and duties levied on mine products? **07**
 (b) How are mineral resources classified? **07**
- OR**
- (b) How is conservation of mineral resources carried out? **07**
- Q.3** (a) Explain the different software used for Mineral Information System. **07**
 (b) What are the controlling factors for evaluating mineral deposit? **07**
- OR**
- Q.3** (a) How is loss in mineral mining classified and calculated? **07**
 (b) What are the different costs considered for mining? **07**
- Q.4** (a) What role does budget and budgetary control play in mining industry? **07**
 (b) Explain different sampling methods used in mineral sampling. **07**
- OR**
- Q.4** (a) What are the different sampling procedures? Explain them. **07**
 (b) What methods of mine valuation are prevalent in industry? **07**
- Q.5** Write short note on any two : **14**
1. Depreciation in mine valuation.
 2. Life of mine.
 3. Estimation of reserves in mine.
 4. Dilution and Recovery.
