

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER-VIII OLD EXAMINATION- WINTER 2017

Subject Code:182201**Date: 10/11/2017****Subject Name: Mines & Mineral Economics****Time:02.30 pm to 05.00 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) Write a note on life of mine. **07**
 (b) Write a short note on national mineral policy (2010). **07**
- Q.2** (a) Draw the structure of mineral information system. **07**
 (b) Explain the co-efficient of completeness of mineral extraction. **07**
- OR**
- (b) How is the export import scenario related to mineral industry in India? **07**
- Q.3** (a) What is ore? Explain the various ore classification. **07**
 (b) How tonnage factors and mineable ore limitations are are calculated? **07**
- OR**
- Q.3** (a) Explain about risky nature of mining industry. **07**
 (b) Explain the following terms: (1) Dilution (2) Recovery (3) Depletion of mineral. **07**
- Q.4** (a) What is mine valuation? Explain the methods of mine valuation. **07**
 (b) What is sample? Describe the various sampling methods. **07**
- OR**
- Q.4** (a) What is reduction of sample? Explain method of reduction of sample. **07**
 (b) What is budget? Explain budget and budgetary control. **07**
- Q.5** (a) Distinguish between standard cost and future cost in mining. **07**
 (b) Write Short Note on: Royalty and taxes on mining products. **07**
- OR**
- Q.5** (a) How are mineral resources classified? **07**
 (b) How tonnage factors and mineable ore limitations are are calculated? **07**
