

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER–VIII • EXAMINATION – SUMMER • 2014

Subject Code: 182201**Date: 05-06-2014****Subject Name: Mine and Mineral Economics****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) Explain the economic importance of mineral industry in India. **07**
 (b) Write a brief note on national mineral policy. **07**
- Q.2** (a) How is the export import scenario related to mineral industry in India? **07**
 (b) How are mineral resources classified? **07**
- OR**
- (b) State the socio-economic importance of small mines. **07**
- Q.3** (a) What are the types of cost in mining? How do these costs affect the mining activity? **07**
 (b) Write about the method of estimation of mineral reserve. **07**
- OR**
- Q.3** (a) How are mineral losses classified? How are these losses incorporated in mining operations? **07**
 (b) What is sampling? What sampling methods are applied in different cases? **07**
- Q.4** (a) What is mine valuation? What are the methods of mine valuation? **07**
 (b) Explain the term- depreciation, amortization and redemption and their association with mining. **07**
- OR**
- Q.4** (a) Write a note on ore classification. **07**
 (b) What is the procedure of sampling? What precaution are to be taken in sampling? **07**
- Q.5** Write note on any two :- **14**
1. Mineral information system.
 2. Dilution and Recovery.
 3. Life of Mine.
 4. Taxes and Duties in mining.
