

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VIII EXAMINATION – WINTER 2015**

**Subject Code:182201****Date:09/12/2015****Subject Name: MINE & MINERAL ECONOMICS****Time: 2:30pm to 5:00pm****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 significance of mineral industry in India economy. **07**  
 (b) Explain national mineral policy. **07**

**Q.2** (a) Describe various method of estimation for mineral reserve. **07**  
 (b) Explain MIS? **07**

**OR**

(b) State the socio-economic significance of small and mid size mines. **07**

**Q.3** (a) What are the types of cost in mining? How do these costs affect the mining activity? **07**  
 (b) Explain the mineable ore as a limitation. **07**

**OR**

**Q.3** (a) Distinguish between standard cost and future cost in mining. **07**  
 (b) What is sampling? Explain types of sampling methods. **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) Explain the procedure for sampling of alluvial deposits and dumps. **07**  
 (b) Describe life of mine. **07**

**Q.5** (a) Write Short note on : Budget and budgetary control in mining **07**  
 (b) Write Short Note on: Royalty and taxes on mining products. **07**

**OR**

**Q.5** (a) Write Short Note on : Sampling **07**  
 (b) Write Short Note on : Ore Classification **07**

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