

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE – SEMESTER – VIII. EXAMINATION – WINTER 2016**

**Subject Code: 182201****Date: 22/10/2016****Subject Name: Mine & 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) Discuss and describe the contents of National Mineral Policy. **07**  
 (b) Explain the economic importance of Mineral Industries in India. **07**
- Q.2** (a) Describe Mineral Information System in brief. **07**  
 (b) Write note on Taxes and Duties. **07**
- OR**
- (b) Write note on Royalties, Imports and Export. **07**
- Q.3** (a) Explain conservation of mineral resource with their scope and limitation. **07**  
 (b) Describe socio-economic significance of small mines. **07**
- OR**
- Q.3** (a) Explain ore classification in brief. **07**  
 (b) Explain Recovery and Dilution in brief. **07**
- Q.4** (a) List out different factors that affecting the operating cost in mining operation. **07**  
 (b) Describe Standard Cost and Future Cost in brief. **07**
- OR**
- Q.4** (a) Explain in brief about Budget and Budgetary Control in mining. **07**  
 (b) What is Sample and Sampling? Describe procedure and precautions taken during Sampling. **07**
- Q.5** (a) Explain estimation of ore reserves in brief. **07**  
 (b) Describe different methods and their application of Mine Valuation. **07**
- OR**
- Q.5** (a) Explain Life of Mine in brief. **07**  
 (b) Give the overview of Indian Mining industries. **07**

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