

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2182201

Date: 29/04/2017

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) Explain the economic importance of Mineral Industries in India. **07**
(b) Why mining industry considered as risky industry? **07**
- Q.2** (a) Explain conservation of mineral resources, scope and their limitations. **07**
(b) Explain Royalty, Taxes and Duties. **07**
- OR**
- (b) Write a note on ore classification. **07**
- Q.3** (a) What are the controlling factors for evaluating mineral deposit? **07**
(b) How tonnage factors and mineable ore limitations are calculated? **07**
- OR**
- Q.3** (a) How are mineral losses classified? How are these losses incorporated in mining operations? **07**
(b) Explain Recovery and Dilution. **07**
- Q.4** (a) List out the factors affecting the operating cost in mining industry. **07**
(b) Define Sample and Sampling. Explain the importance of sampling in details. **07**
- OR**
- Q.4** (a) Write a note on life of mine. **07**
(b) What is budget? Explain budget and budgetary control. **07**
- Q.5** (a) List out different types of sampling. Explain in brief. **07**
(b) What do you understand by mine valuation? Describe different methods and their application. **07**
- OR**
- Q.5** (a) Explain the procedure and precaution of sampling alluvial deposits and dumps. **07**
(b) Explain Standard cost and forecast cost. **07**
