

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

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

Subject Code:182201

Date:04/05/2017

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 National Mineral Policy in brief. **07**
(b) Describe the economic importance of mineral industries. **07**
- Q.2** (a) Explain Royalty, Taxes and Duties in detail. **07**
(b) Write note on Import and Export. **07**
- OR**
- (b) Describe conservation of minerals with their limitation. **07**
- Q.3** (a) Describe Mineral Information System. **07**
(b) Explain ore classification in brief. **07**
- OR**
- Q.3** (a) Describe loss of mineral with their classification. **07**
(b) Write note on Dilution and Recovery. **07**
- Q.4** (a) Describe different factors affected to operating cost. **07**
(b) Write note on budget and budgetary control. **07**
- OR**
- Q.4** (a) Explain methods of estimating future costs. **07**
(b) What is Sampling? Describe their importance and write different precautions taken for sampling. **07**
- Q.5** (a) Give the classification of sampling methods. Explain all in short. **07**
(b) Explain estimation of ore reserves with procedure of sampling taken in detail. **07**
- OR**
- Q.5** (a) Write different methods of mine ventilation and also add their application. **07**
(b) Describe life of mine and its present value. **07**
