

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2017****Subject Code: 2182201****Date: 02/11/2017****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.

	MARKS
Q.1 (a) Define following terms.(1)Mineral (2) ore (3) sample.	03
(b) Describe mineral resource in India.	04
(c) Explain National Mineral Policy in brief (2011).	07
Q.2 (a) What is reduction of sample? Explain method of reduction of sample.	03
(b) Describe their importance and write different precautions taken for sampling.	04
(c) Explain various types of sampling methods.	07
OR	
(c) What are the controlling factors for evaluating mineral deposit?	07
Q.3 (a) Define following terms.(1) Import(2)Export (3)Valuation.	03
(b) Explain the different software used for Mineral Information System.	04
(c) Explain Royalty, Taxes and Duties in detail.	07
OR	
Q.3 (a) Describe mineral resource in Gujarat.	03
(b) Write a advantage of mine valuation.	04
(c) Write a note on economic importance of the mineral industry.	07
Q.4 (a) Describe various types of reserve estimate.	03
(b) What is risky nature of mining industry? Describe in details.	04
(c) Write note on Dilution and Recovery.	07
OR	
Q.4 (a) Write a short note on budgetary control.	03
(b) Why mining is considered as risky industry?	04
(c) Describe Standard Cost and Future Cost in brief.	07
Q.5 (a) Explain the mineable ore as a limitation.	03
(b) How are mineral losses classified? How are these losses? In corporate in mining operations?	04
(c) Explain the economic importance of Mineral Industries in India.	07
OR	
Q.5 (a) Explain MIS?	03
(b) How tonnage factors and mineable ore limitations are are calculated?	04
(c) What do you understand by mine valuation? Describe different methods and their application.	07
