Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

		BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017	
	•	t Code: 2182201 Date: 29/04/20	)17
Ti	me: istructi 1 2	t Name: Mine & Mineral Economics  10:30 AM to 01:00 PM  Total Marks: ons:  Attempt all questions.  Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	70
Q.1	(a) (b)	Explain the economic importance of Mineral Industries in India. Why mining industry considered as risky industry?	07 07
Q.2	(a) (b)	Explain conservation of mineral resources, scope and their limitations. Explain Royalty, Taxes and Duties.	07 07
	<b>(b)</b>	OR Write a note on ore classification.	07
Q.3	(a) (b)	What are the controlling factors for evaluating mineral deposit?  How tonnage factors and mineable ore limitations are calculated?  OR	07 07
Q.3	(a) (b)	How are mineral losses classified? How are these losses incorporated in mining operations?  Explain Recovery and Dilution.	07 07
Q.4	(a) (b)	List out the factors affecting the operating cost in mining industry.  Define Sample and Sampling. Explain the importance of sampling in details.  OR	07 07
Q.4	(a) (b)	Write a note on life of mine. What is budget? Explain budget and budgetary control.	07 07
Q.5	(a) (b)	List out different types of sampling. Explain in brief. What do you understand by mine valuation? Describe different methods and their application.	07 07
Q.5	(a) (b)	OR  Explain the procedure and precaution of sampling alluvial deposits and dumps.  Explain Standard cost and forecast cost.	07 07

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