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

Subject Code: 182201Date: 22/10/2Subject Name: Mine & Mineral Economics			
Time: 02:30 PM to 05:00 PMTotal Marks: 70Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.			
		3. Figures to the right indicate full marks.	
Q.1	(a) (b)	Discuss and describe the contents of National Mineral Policy. Explain the economic importance of Mineral Industries in India.	07 07
Q.2	(a) (b)	Describe Mineral Information System in brief. Write note on Taxes and Duties.	07 07
	(b)	<b>OR</b> Write note on Royalties, Imports and Export.	07
Q.3	(b) (a) (b)	Explain conservation of mineral resource with their scope and limitation. Describe socio-economic significance of small mines. <b>OR</b>	07 07 07
Q.3	(a) (b)	Explain ore classification in brief. Explain Recovery and Dilution in brief.	07 07
Q.4	(a) (b)	List out different factors that affecting the operating cost in mining operation. Describe Standard Cost and Future Cost in brief. OR	07 07
Q.4	(a) (b)	Explain in brief about Budget and Budgetary Control in mining. What is Sample and Sampling? Describe procedure and precautions taken during Sampling.	07 07
Q.5	(a) (b)	Explain estimation of ore reserves in brief. Describe different methods and their application of Mine Valuation. <b>OR</b>	07 07
Q.5	(a) (b)	Explain Life of Mine in brief. Give the overview of Indian Mining industries.	07 07

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