Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – WINTER • 2014

	Subj	ect Code: 132201 Date: 23-12-2014	
	Subj	ect Name: Introduction to Mining	
	Time	e: 02.30 pm - 05.00 pm Total Marks: 70	
	Instru	ctions:	
		1. Attempt all questions.	
		2. Make suitable assumptions wherever necessary.	
		3. Figures to the right indicate full marks.	
Q.1	(a)	What is the significance of mining in Industrial context?	07
	(b)	What are the socio-economic impacts of mining?	07
Q.2	(a)	Explain the difference in mining methods of coal and non-coal deposits.	07
	(b)	What are the health issues concerned with mining?	07
		OR	
	(b)	Compare surface and sub-surface mining.	07
Q.3	(a)	Compare Board and Pillar method with Long wall method of mining.	07
	(b)	What is the importance of Mineral resources of Gujarat in Indian context?	07
α	(a)	OR What are the principles and methods of mineral presentating?	07
Q.3	(a)	What are the principles and methods of mineral prospecting?	
	(b)	Explain the basic principles of drilling.	07
Q.4	(a)	What are the types of boring? Explain the difficulties in boring.	07
	(b)	Write a note on drillability of rocks.	07
		OR	
Q.4	(a)	What are different types of explosives and also explain their uses.	07
	(b)	What are different loading equipments and their uses?	07
Q.5	(a)	Write a note on any two:-	14
		1. Basic transportation equipments.	
		2. Types of drills.	
		3. Properties of explosives.	
		4. Principles of explosives.	
