Seat No.: Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-III • EXAMINATION – WINTER 2013

Subj	ect	Code: 132201 Date: 28-11-2	Date: 28-11-2013		
Subj	Subject Name: Introduction to Mining				
Time: 02.30 pm - 05.00 pm Total Mar			ks: 70		
	Instructions:				
		Attempt all questions.			
	2.	Make suitable assumptions wherever necessary.			
	3.	Figures to the right indicate full marks.			
Q.1	(a)	What are the different types of drill? Explain any one.	07		
	(b)	Write importance of mining in Indian context.	07		
Q.2	(a)	Explain in brief various steps involved in open cast mining.	07		
	(b)	*	07		
		OR			
	(b)	Explain the properties of explosives.	07		
Q.3	(a)	What are the types of drills accessories used in mining? What is its	07		
		importance.			
	(b)	1 1 0	07		
		OR			
Q.3	(a)	• • • • • • • • • • • • • • • • • • • •	07		
	(b)	Write about coal reserves of Gujarat.	07		
Q.4	(a)		07		
		give its application.			
	(b)	Explain different type of boring? Also explain importance of borehole logging.	07		
		OR			
Q.4	(a)	Explain the socio-economic impact of mining.	07		
	(b)		07		
Q.5		Write Short Note on (any 2):-	14		
•		1. Low & High explosives.			
		2. Drillability of rocks.			
		3. Trenching & pitting.			
		4. Principles of blasting.			
