Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – SUMMER 2013

Subject Code: 132201 Date: 27-05-2		13	
Tim	•	Name: Introduction to Mining 2.30 pm - 05.00 pm Total Marks: 70	
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Explain various types of drills used in mining. Where diamond drill is used?	07
	(b)	Write importance of mining industries in Indian Economy.	07
Q.2	(a) (b)	Explain in brief various steps involved in surface mining. How mine development is done? OR	07 07
	(b)	Write a note on Low & High explosives.	07
Q.3	(a) (b)	What are the types of drills used in mining? What is Rope drilling? Explain various methods of Metaliferrous mining. OR	07 07
Q.3	(a) (b)	Which types of loading equipments used in open-cast mines. Give the mineral resource of Gujarat.	07 07
Q.4	(a)	What are different transportation equipments used in mining and also give its application.	07
	(b)	Explain the importance of borehole data & borehole logging. OR	07
Q.4	(a)	Write a short note on long hole raising with its application, advantages and disadvantages.	07
	(b)	What are the provisions of health and safety in mines?	07
Q.5		 Write Short Note on (any 2):- Properties of explosives. Drivability of rocks. Mining methods non coal deposits. Methods of flushing the bore holes. Measures in underground blasting 	14
