GUJARAT TECHNOLOGICAL UNIVERSITY B. E. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 132201 Subject Name: Introduction to Mining			Date: 04-01-2013	
Time: 10.30 am – 01.00 pm Total Mar			Total Marks: 70)
 Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 				
Q.1	(a) (b)	Mineral resource of Gujarat. Compare Surface mining with Underground mining.		07 07
Q.2	(a) (b)	Explain Stages in the Life of Mine. Write short note on safety aspects of mining. OR		07 07
	(b)	Discuss various types of Drills using in Mining.		07
Q.3	(a)	Explain the term Mine, Mining, Mining Engineering, Gangue, Waste.	Mineral, Rock, Ore,	07
	(b)	Explain Socio-Economic impacts of mining industries OR		07
Q.3	(a) (b)	Explain in brief various methods of Exploration. Write short note on Core recovery.		07 07
Q.4	(a) (b)	Explain explosive and its properties. Discuss about modern explosives. OR		07 07
Q.4 Q.4	(a) (b)	Explain history of Mining. Mineral resource of India.		07 07
Q.5	(a) (b)	Explain basic loading equipment in surface mining. Explain basic loading equipment in Underground mining OR	ing.	07 07
Q.5	(a) (b)			07 07
