Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV (New) EXAMINATION - WINTER 2015

Subject Name: Mining Machinery-I			Date:06/01/2015 Total Marks: 70	
		2:30pm to 05:00pm Total Marks:		
	1. 2. 3.	1		
Q.1	(a) (b)	Write a note on pipelines and distribution of compressed air. List out various types of Haulage system. Explain any one of them in brief.	07 07	
Q.2	(a) (b)	Describe low mobile dumpers and shuttle car. Write various applications of Aerial Ropeway. OR	07 07	
	(b)	List out various types of Aerial Ropeway and explain one of them with their operation and maintainance.	07	
Q.3	(a) (b)	Write a short note on Rope Tensioning Arrangement. Describe various applications of Wiire Ropes. OR	07 07	
Q.3	(a) (b)	List out varios types of Wire Ropes and explain any one with neat sketch. Write a short note on installation and test of wire ropes.	07 07	
Q.4	(a) (b)	Explain Rope Splicing. Describe process of capping and rope capel in brief. OR	07 07	
Q.4	(a) (b)	Write a note on Track and Mine Car. Write different types of Rope Haulage. Explain any one with neat sketch.	07 07	
Q.5	(a) (b)	Explain construction features of all types locomotives. Explain operation and maintainance of all types of locomotives. OR	07 07	
Q.5	(a) (b)	Write a note on Haulage Track and its laying. Describe rope tensioning arrangement in brief.	07 07	
