Seat No.:	Enrolment No
Cat 110	Linonicht 110.

Subject Code: 142201

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV EXAMINATION - WINTER 2015

Date:22/12/2015

Ti	me: structi 1 2	t Name: Mining Machinery-I 02:30pm to 05:00pm Total Marks: 70 ons: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a) (b)	Write a short note on pipelines and distribution of compressed air. Explain conveyor haulage in brief.	07 07
Q.2	(a) (b)	Write a short note on construction of conveyor haulage. Write a short note on installation and maintenance of conveyor haulage.	07 07
	(b)	OR Describe operation of conveyor haulage in brief.	07
Q.3	(a) (b)	List out various types of Aerial Ropeway. Explain one of them in brief. Describe construction and installation of Aerial Ropeway.	07 07
Q.3	(a) (b)	OR Describe operation and maintenance including rope tensioning arrangement of Aerial Ropeway. List out different uses of Wire Ropes.	07 07
Q.4	(a) (b)	List out various types of Wire Ropes and explain any one of them in brief. Write a short note on construction of Wire Rope.	07 07
Q.4	(a) (b)	OR Write a short note on Rope Splicing. Explain rope caples and process of capping.	07 07
Q.5	(a) (b)	Describe haulage tracks and its laying and maintenance in brief. List out types of rope haulage. Explain any one of them in brief.	07 07
Q.5	(a) (b)	OR List out types of Mine Locomotives. Explain any one. Write a short note on construction and operation of Mine Locomotives.	07 07
