## GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER IV EXAMINATION – SUMMER 2015

Subject Code:142204			Date: 05/06/2015	
Tir	ne: 1	Attempt all questions. Make suitable assumptions wherever necessary.	Total Marks: 70	
Q.1	(a) (b)	Write the main features of a good transport system used in mine Explain the main points to be considered for overburden remov		
Q.2	(a) (b)	Explain main features of underground transport system. Write the purpose and advantages of using A.F.C in mine. <b>OR</b>	07 07	
	<b>(b)</b>	Compare Direct Rope haulage with End Less Rope Haulage.	07	
Q.3	(a) (b)	Explain the working of Main and Tail Rope Haulage. Explain Dumping radios and Digging height of excavators. OR	07 07	
Q.3	(a) (b)	How will you find out the exact number of dumpers required for Explain the safety features of Direct Rope haulage.	or a shovel. 07 07	
Q.4	(a) (b)	Explain the function of Stop Block and Runway switch Explain with sketch working of Turn Table circuit used at Pit T OR	07   Sop. 07	
Q.4	(a) (b)	Explain in brief working of Lofco System. Write the advantages of using High angle conveyors.	07 07	
Q.5	(a) (b)	Compare mono cable and bi cable conveyors. Write advantages and disadvantages of Aerial Rope way system <b>OR</b>	07 n. 07	
Q.5	(a) (b)	Write safety features of a Dumper. Write safety features of a haul road.	07 07	

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