Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (OLD) - EXAMINATION – SUMMER 2017			
Subject Code: 152201 Subject Name: Mining Machinery II		Date: 10/05/2017 Total Marks: 70	
Q.1	(a) (b)	Write short note on safety detaching hooks. Describe principle, operation and design of head gear with sketch	h. 07
Q.2	(a) (b)	Explain parameter for selecting coal cutting equipments. Write short note on Ward Leonard Control. OR	07 07
	(b)	Explain side discharge loader with merits & demerits.	07
Q.3	(a) (b)	Explain advantages & disadvantages of koepe winding system. Explain the limitations for the working of a continuous miner. OR	07 07
Q.3	(a) (b)	Explain any one method of mechanical breaking. Write a short note on different shaft fitting method.	07 07
Q.4	(a) (b)	Explain merit & demerit of Drum Winding system. Explain various selection and application of mining machinery OR	07 07
Q.4	(a) (b)	Explain modern technology used in mining machinery system. Describe Continuous Minor with general layout at the face.	07 07
Q.5	(a) (b)	Write a short note on Cage, Skip and Suspension Gear. Write a short note on Coal Plough. OR	07 07
Q.5	(a) (b)	Write a short note on road header. Differentiate: Rigid guides V/s Flexible guides.	07 07
