GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-VI- EXAMINATION – SUMMER	2016	
Sul	bject	Code:162204	Date:17/05/201	16
Sul	bject	Name:Mine Hazards		
Time: 10:30 AM to 01:00 PM			Total Marks: 70	
Inst	ructio	ns:		
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a) (b)	Describe about problem of radiation in atomic mineral mine. Explain about spontaneous heating of coal.		07 07
Q.2	(a) (b)	Give symptoms of spontaneous heating of coal and explain it. Which factors governing spontaneous heating describe it? OR		07 07
	(b)	Describe about rescue operation at the mine.		07
Q.3	(a) (b)	Explain about reopening a sealed off area in stages. Write short note on fire fighting organization.		07 07
		OR		
Q.3	(a) (b)	Describe about various diseases due to dust hazards. Explain about methane layering.		07 07
Q.4	(a) (b)	Explain different type of explosion occurring in mine. Describe about stone dust barrier.		07 07
Q.4	(a) (b)	OR Give precaution should be taken when approaching old water le List out various dust sampling methods and explain any one of	-	07 07
Q.5	(a) (b)	Write short note on self rescuer. Describe about rescue station.		07 07
Q.5	(a) (b)	OR Describe steps against inundation of mine working. Describe methods of coal liable to spontaneous heating.		07 07
