Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION - WINTER 2015

Subject Code: 172207		t Code: 172207	Date:04/12/2015	
Su	bject	t Name: Rock Fragmentation		
Time: 10:30am to 1:00pm			Total Marks: 70	
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Q.1	(a) (b)	Explain about drill-ability of rocks. Describe type of drilling in brief.	07 07	
Q.2	(a) (b)	Define explosive and describe in brief. Give difference between high explosive Vs low explosive. OR	07 07	
	(b)	Describe in brief properties of explosive.	07	
Q.3	(a) (b)	List out various factor for choice of drills. Explain direct initiation and indirect initiation. OR	07 07	
Q.3	(a) (b)	Describe about novel method of drilling. Write short note on delay blasting technique.	07 07	
Q.4	(a) (b)	Describe about electric detonator. Write short note on deck blasting.	07 07	
Q.4	(a) (b)	OR Give types of drill bits and describe it. Write short note on nuclear blasting.	07 07	
Q.5	(a) (b)	What is ground vibration? Explain it causes and damages. Explain about drilling patterns.	07 07	
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Q.5	(a) (b)	Describe computer blasting model. Explain various blasting design.	07 07	
