GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Su' Tii	bject ne: 1 cructio 1. 2.	Code: 172207 Name: Rock Fragmentation 0.30 am - 01.00 pm Total Marks: 70 ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	What are the methods of drilling for underground mineral excavation? Explain the types of drilling methods.	07 07
Q.2	(a) (b)	Compare the drilling and blasting practice in India and foreign countries. Explain different computational methods of blasting. OR	07 07
	(b)	Explain how blasting is carried out.	07
Q.3	(a) (b)	How is monitoring of blasting is done? Classify the types of Explosives.	07 07
Q.3		What are the application and uses of explosives? Enlist the blasting impacts.	07 07
Q.4	(a) (b)	How the choice of drilling is carried out. What are the measures to control ground vibrations from blasting.	07 07
Q.4	(a) (b)	What are the safety measures observed for using explosives. Explain electric detonator.	07 07
Q.5	(a)	Write note on :- 1. Factors affecting rock blasting. 2. Drillability of rock. 3. Nuclear explosive. 4. Air Blast.	14
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