Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII EXAMINATION - WINTER 2015

	•	Code:182203	Date:0//12/2015
Tiı	•	Attempt all questions. Make suitable assumptions wherever necessary.	Total Marks: 70
Q.1	(a) (b)	Compare the Granite resources of India with that of world. Explain the physio-mechanical properties of dimensional stone	s. 07
Q.2	(a) (b)	What are the criteria for the selection of a dimensional stone de How is blasting carried out in mines of dimensional stone? OR	eposit? 07
	(b)	Explain he development of mine and mine layout plan.	07
Q.3	(a) (b)	What are the conventional methods of mining the dimensional stones. Explain the types of saw used in mining of stones and its working. OR	
Q.3	(a) (b)	Explain the polishing process of dimensional stone. What are he types of machines used for polishing?	
Q.4	(a) (b)	What are he different types of abrasives and its uses in stone industry? How are tile prepared from dimensional stone/ OR	
Q.4	(a) (b)	What are the environmental impact of dimensional stone mining? Explain the mineralogical properties of stones and its importance.	
Q.5	(a) (b)	Write short note on: Waste disposal of stone industry. Write Short note on: Flame Jet Cutting OR	
Q.5	(a) (b)	Write Short Note on: Marble deposits of Gujarat. Write Short note on: Legal aspect of dimensional stone mining.	
