GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-VIII EXAMINATION – SUMMER 2016	
Subject Code:182203 Date:07/0)16
S	ubjeo	ct Name:Mining & Processing of Dimensional Stone	
Time:10:30 AM to 01:00 PM Total Marks			: 70
In	struct		
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Explain in brief various physical and mechanical properties of dimensional stone.	07
	(b)	Explain various impacts of stone industry on environment and give your suggestions.	07
Q.2	(a)	Write the scope of stone industry for the future.	07
	(b)	Write a brief history of marble deposits of Rajasthan.	07
		OR	
	(b)	Write various prevailing uses of stone with some new ideas.	07
Q.3	(a)	Compare marble with granite in respect to formation and metamorphism.	07
	(b)	Explain the origin of sand stone with its unique feature and uses.	07
		OR	
Q.3	(a)	Explain the main problems of removing a block of stone from a bench.	07
	(b)	Explain the complete procedure of cutting a block by Gang Saw.	07
Q.4	(a)	Explain the method of determining rock quality designation.	07
	(b)	Write the procedure of making diamond wire with a neat sketch.	07
		OR	
Q.4	(a)	Explain the procedure of polishing with its advantages.	07
	(b)	How you can make blasting more effective in stone mining.	07
Q.5	(a)	Explain the main technical features of a bench in stone mines.	07
	(b)	Explain main characteristics of abrasives used in stone industries.	07
		OR	
Q.5	(a)	Explain in brief flame jet cutting operation.	07
	(b)	Explain geo-mechanical properties of stones.	07
