Seat No.: Subject co		Enrolment No  GUJARAT TECHNOLOGICAL UNIVERSITY  BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015  code: 182203  Date: 13/05	
_		Vame: Mining & Processing of Dimensional Stone 30AM-01.00PM Total Ma	
Instr			arks: /U
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Compare the Indian resources of Marble and Granite with the world resources.	07
	<b>(b)</b>	What are the criteria on which dimensional stone deposits are selected?	07
Q.2	(a)	What is the procedure for allotment of mining lease? What are the legal aspects associated with it?	07
	<b>(b)</b>	What conventional methods are employed for mining dimensional stone?	07
	(b)	OR Explain the mine layout of marble mine with use of chain saw cutting method.	07
Q.3	(a)	What are the different types of cutting methods and describe their application to dimensional stones.	07
	<b>(b)</b>	What are the processes involved in stone dressing?  OR	07
Q.3	(a)	What are the different types of abrasives and also explain their uses in different stones.	07
	<b>(b)</b>	How is blasting carried in dimensional stone mines?	07
Q.4	(a) (b)	Write a note about the physio-chemical properties of dimensional stone. What are the environmental impacts of processing the dimensional stone?	07 07
0.4	(a)	OR	07
Q.4	(a) (b)	Write a note on tiling of dimensional stones.  Explain the uses of quarried land of stone mining.	07 07

1. Use of waste of stone induatry.

2. Wire saw.

Write a note any two:-

**Q.5** 

3. Blasting in dimensional stone mining.

4. Polishing dimensional stone.

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14