Seat No.: Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

•			022 2-01-2023	
Subject Name:Dimensional Stone Technology Time:10:30 AM TO 01:00 PM Instructions: Total Ma				
insti u	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
	4.	Simple and non-programmable scientific calculators are allowed.	MARKS	
Q.1	(a) (b) (c)	Discuss the strategies of dimensional stone mining.	03 04 07	
Q.2	(a) (b) (c)	Explain the processing of dimensional stone with flow chart. What do you understand by line drilling and jet flame cutting technique?	03 04 07	
	(c)	OR Describe the geology and geographical distribution of granite in India.	07	
Q.3	(a)			
	(b) (c)		04 07	
		OR		
Q.3	(a) (b)			
0.4	(c)	_	07	
Q.4	(a) (b)	-	03 04	
	(c)		07	
		OR		
Q.4	(a)(b)(c)	Write a procedure for obtaining mining lease.	03 04 07	
Q.5	(a) (b) (c)	What do you mean by block mining?	03 04 07	

b) Chain saw

a) Gang saw

OR

Q.5	(a)	What are the Physico-mechanical properties of slate?	03
	(b)	Write a note on slab mining.	04
	(c)	Write a brief note on granite and its mining method.	07
