GUJARAT TECHNOLOGICAL UNIVERSITY

		DE SEMESTED III (NEW) EXAMINATION SUMMED 2022			
5 L:	0.04	BE - SEMESTER– III (NEW) EXAMINATION – SUMMER 2022 Code:3130607 Date:28-0	7 2022		
			11-2022		
Subject Name:Building Construction Technology					
Time:02:30 PM TO 05:00 PM Total Marks:70					
Instru					
		Attempt all questions. Make suitable assumptions wherever necessary.			
		Figures to the right indicate full marks.			
		Simple and non-programmable scientific calculators are allowed.			
			MARKS		
Q.1	(a)	Give names of various methods of demolition of structures.	03		
c	(b)		04		
	(c)		07		
	(-)	measures would you adopt?	• •		
Q.2	(a)	Explain about pre-cast and cast-in situ construction.	03		
	(b)		04		
	(c)		07		
		depth of exploration is substantial and speed of investigation is of prime			
		importance.			
		OR	07		
	(c)	1	07		
		Explain Under-reamed pile foundation.			
Q.3	(a)	Explain chemical grouting method to control ground water.	03		
Q.J	(a) (b)		03		
	(\mathbf{c})	-	07		
	(-)	OR	• •		
Q.3	(a)	Explain in brief the essential requirements of a good floor.	03		
-	(b)		04		
	(c)	Write a short note on 'Termites and their attack on building'.	07		
Q.4	(a)		03		
	(b)		04		
	(c)		07		
		concreting.			
0.4	(-)	OR Define Introdes, Disc and Springer in connection with each	0.2		
Q.4	(a)		03		
	(b)	to be noted, while constructing raking shores?	04		
	(c)		07		
	(C)	(a) Framed and Panelled Door (b) Dog-legged stairs	07		
		(a) France and Fanched Door (b) Dog-legged starts			
Q.5	(a)	Enlist various roofing materials.	03		
	(b)	Discuss precautions to be taken during construction of cavity wall.	04		
	(c)	Enumerate various types of cement and discuss about sulphate	07		
		resistance cement.			

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Q.5	(a)	Enlist various points to be remembered during any building construction	03
		site visit as a Civil Engineer.	
	(b)	Draw the Sketch (1) Brick Jack arch Flooring (2) Concrete jack arch	04
		flooring (3) Ribbed Flooring (4) Flag stone Floor	

(c) Classify pitched roof and explain king post truss with neat and labelled 07 sketch.
