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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-I &II (NEW) EXAMINATION – SUMMER-2019			
Subject Code: 3110004 Date: 11/0			2019
Subject Name: Basic Civil Engineering			
Time: 10:30 AM TO 01:00 PM Total Marks: 70			
Instructions:			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	Marks
0 4			
Q.1	(\mathbf{a})		03
	(b)		04 07
	(c)	Enlist various types of civil engineering materials. Discuss types, properties and uses of cement.	07
		properties and uses of cement.	
Q.2	(a)	What is FSI? Discuss in brief.	03
V •=	(b)		04
	(c)	C C	07
	~ /	OR	
	(c)	Discuss objects and advantages of zoning.	07
Q.3	(a)	What is building services? Explain in brief.	03
	(b)	• •	04
	(c)	Enlist and explain various types of loads acting on building.	07
		OR	
Q.3	(a)		03
	(b)		04
	(c)	Explain with neat sketch various components of building & its functions.	07
Q.4	(a)	Enlist various instruments used in linear measurement.	03
C	(b)		04
	(c)	Explain methods of levelling.	07
		OR	
Q.4	(a)		03
	(b)		04
	(c)	Explain chaining on plane ground.	07
Q.5	(a)	Explain smart city and its features.	03
2.0	(b)	· ·	04
	(c)	Discuss Heritage structures & its conservations.	07
	(-)	OR	
Q.5	(a)		03
	(b)		04
	(c)	Describe mass transportation systems.	07
