Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-I &II (NEW) EXAMINATION - SUMMER-2019	
Subj	ect (Code: 3110004 Date: 11/06	/2019
Subi	ect I	Name: Basic Civil Engineering	
•		:30 AM TO 01:00 PM Total Mark	ks: 70
Instru			_,,,,
	1.	Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	Massle
			Mark
Q.1	(a)	Discuss Role of Civil Engineer in society.	03
	(b)	•	04
	(c)	7.	07
		properties and uses of cement.	
Q.2	(a)	What is FSI? Discuss in brief.	03
	(b)	Write a short note on low cost housing.	04
	(c)	Enlist and explain principles of planning.	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. OR	07
Q.3	(a)	What is nominal dimensions for door and window?	03
	(b)	What are different types of brick bonds? Explain any one.	04
	(c)	Explain with neat sketch various components of building & its functions.	07
Q.4	(a)	Enlist various instruments used in linear measurement.	03
	(b)		04
	(c)	Explain methods of levelling.	07
0.4	()	OR	0.2
Q.4	(a)	Define: Contour, Meridian, Bearing.	03
	(b)	Draw a neat sketch of a theodolite showing its various parts.	04
	(c)	Explain chaining on plane ground.	07
Q.5	(a)	Explain smart city and its features.	03
	(b)	Compare BRTS and Metro.	04
	(c)	Discuss Heritage structures & its conservations.	07
		OR	
Q.5	(a)	Explain solid waste management system in brief.	03
	(b)		04
	(c)	Describe mass transportation systems.	07
