Seat 1	No.:			Enrolment No		
		GUJARAT TECHN	OLOG	CAL UNIVERSI	TY	
	B.ARCH. – SEMESTER– I EXAMINATION – SUM				019	
Subj	ect C	ode:1015003		Date:30/05/2	2019	
Subj	ect N	ame: Building Construction	ı - I			
Time	e:10:3	30 AM TO 01:30 PM		Total Mark	xs:40	
Instru	ictions:					
		Attempt all questions.				
		Take suitable assumptions wherever		•		
		Tigures to the right indicate full mar Use any suitable scale for drafting if		nad		
		upport your answers with neatly di			necessarv	
		FF J				
Q1	comp	ch to any suitable scale a typical we plete details from foundation, the cursion all the parts clearly using the	rough wir	dow opening, to top o		
	diffic	nision are the parts elearly using the	c correct to	immology.	(08 marks)	
Q2	Write	e short notes on any four of the fo	llowing:		(00 11141 115)	
	a)	Wattle and Daub construction	b)	Function of plinth		
	c)	Through stone	d)	V and Channel Joint		
	e)	Function of slab	f)	Pointing		
					(08 marks)	
Q3	a)	What do you understand by bond? Why is bond necessary in good brickwork? (02 marks)				
	b)	What is the purpose of coping? Sketch any two types of coping.				
	-/	(02 marks)				
	c)	Draft to any suitable scale Cross Junction for one and a half brick thick wall in English Bond. Show alternate courses in Plan and Elevation up to six courses.				
		(04 marks)				
	.1\	Due 6: 4	OR	1 T T	1- 41-1-1 11 1	
	d)	Draft to any suitable scale Stopped End and L-Junction for one brick thick wall in Double Flemish Bond. Show alternate courses in Plan and Elevation up to six courses. (04 marks)				
Q4	Expl	Explain with the help of neatly drawn and labeled sketches any two of the following:				
	a)	Ashlar masonry built-to-courses				
	b)	Random Rubble masonry				
	c)	Rammed Earth construction			(08 marks)	
. -						
Q5	a)	Define with the help of neatly d				
		i) King closer ii)	,		(M montra)	
		iii) Queen closer iv) Brici	x-on-edge	(04 marks)	
	b)	What are the qualities of good to construction.	imber? Dra	w any two joints used co	ommonly in timber (04 marks)	
			R		(======================================	
	c)	What are the different types of l	load acting	on a building? Explain.	(04 marks)	