Subj		GUJARAT TECHNOLOGICAL UB.ARCH. – SEMESTER– I EXAMINATION ode:2X15003		
Subj Fim	ject Na	ame:Building Construction-I 0 AM TO 01:30 PM	Total Marks:40	
mstr	1. A 2. M 3. F 4. U	ttempt all questions. Take suitable assumptions wherever necessary. igures to the right indicate full marks se any suitable scale for drafting if not mentioned upport your answers with neatly drawn and labele	d sketches wherever necessary	
Q1	detail	raft to any suitable scale a typical wall section through an RCC structure showing complete tails from foundation, through window opening, to top of parapet. Label and dimension all e parts clearly using the correct terminology.  (08 marks		
Q2	Expla a) b) c)	in with the help of neatly drawn and labeled sketches How are the loads acting on a building transferred to What are the main classifications of stone and what What are the qualities of good timber used in const	to the soil? t are the broad uses of each type?	
Q3	a) b)	Briefly describe how bricks are manufactured. What do you understand by bond? Why is bond need	(02 marks)	
	c)	Draft to any suitable scale Stopped End and T-Junc Show alternate courses in Plan and Elevation up to <b>OR</b>		
	d)	Draft to any suitable scale Stopped End and L-Junc alternate courses in Plan and Elevation up to six co		
Q4	Write short notes on <b>any two</b> of the following:			
	a)	Adobe Construction		
	b)	Rammed Earth construction		
	c)	Wattle and Daub construction	(00	
	d)	Typical joints in Bamboo construction.	(08 marks)	
Q5	Expla	Explain with the help of neatly drawn and labeled sketches:		
	a)	Bonder		
	b)	Dowel joint		
	c)	Cramped joint		
	d)	V and Channel joint	(04 marks)	
	e)	Sketch in any suitable scale plan, elevation and sec Random Rubble Built-to-Courses masonry.	tion of a typical compound wall in (04 marks)	
		OR		
	f)	Sketch in any suitable scale plan, elevation and sec Uncoursed masonry.	tion of a wall using Ashlar ( <b>04 marks</b> )	