Seat	No.:	

Enrolment No.\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

B. ARCH - SEMESTER- I• EXAMINATION - WINTER 2017

Subject Code:1015003 Date: Subject Name:Building Construction-I			Date:28-12-2017	
	Time: 10.30 AM TO 1.30 PM Total Marks: 40			
Ins	1. 2. 3. 4.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.		
Q.1		Attempt any 2 with relevant sketches	(08)	
	(a)	Define the following:		
		(i) Stretcher		
		(ii) Lap		
		(iii) Queen Closer		
		(iv) King Closer		
	<b>(b)</b>	(i) Adobe technique of mud construction		
		(ii) Enlist the types of stones with examples		
	<b>(C)</b>	(i) Classification of Trees		
		(ii) Macro structure of Timber		
Q.2	(a)	Draw isometric view of 3/4th Batand Double Bullnose br	ick (04)	
	<b>(b)</b>	Write short note on any two:	(04)	
		1) Qualities of good brick		
		2) Characteristics of bamboo		
		3) Give classification of rocks		
Q.3	(a)	Write a short note of	(08)	
		Manufacturing process of bricks		
		OR		
	(a)	Defects in timber.		

<b>Q.4</b>	(a)	Draw plans, elevationand view of 230 mm thick brick wallin English bond	(08)
		OR	
	(a)	Draw plans, elevationand view of 230 mm thick brick wallin Flemish bond	
Q.5		Attempt anytwo	(08)
		(a) Compare - Load Bearing Structure and Frame Structure	
		(b) Sketch different types of joinery between bamboos	
		(c) Sketch any 2 types of the Ashlar stone masonry	
		(d) Define Brick bond & Enlist its types.	
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