GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING - SEMESTER - I • EXAMINATION - WINTER 2016

Subject Code: 3316203		Date: 31-12-2016	
•	ect Name: Construction Technology -l : 10:30 AM TO 12:30 PM	Total Marks: 50	
Instructions:			
2. 3.	Attempt any 5 questions. Make Suitable assumptions wherever necessary. Figures to the right indicate full marks. Compliment your answers with sketches wherever required.		
Q.1	Explain briefly: (<u>any 5</u>)	10	
2. 3. 4. 5. 6.	Foundation level. Dead load & live load Types of stones Header & stretcher bond King closer & Queen closer Load bearing & Frame structure Qualities of good brick		
Q.2	Draw / Draft to scale 1:20	10	
	A typical 230 mm thick wall section of a single storied building of	& denote all	
	the part from top to bottom.		
Q.3	Enlist the basic material of construction. Explain any three in det	ail. 10	
Q.4	Draw / Draft to scale 1:10	10	
	Draw a plan & elevation of ${\bf L}$ junction of one & half brick wall in	n English bond	
	showing odd & even courses – minimum 4 courses of each.		
Q.5	Explain in detail :	10	
	1. Manufacturing process of brick.		
	2. Mention various tests subjected to bricks.		

Q.6	Attempt the following with relevant sketches.	10
	1. Explain types of stone masonary with relevant sketches.	
	2. Diagonal & Zig Zag bond.	
Q.7	Discuss different types of foundation in detail with sketches.	10
