Seat No.:	Enrolment No.
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## GUJARAT TECHNOLOGICAL UNIVERSITY B.ARCH - SEMESTER- III • EXAMINATION - WINTER • 2014

	•	Code: 1015003	Date: 23-12-2014	
Tiı	ne: 1	t Name: Building Construction-1 10:30 am to 01:30 pm ons: Attempt all questions.	Total Marks: 50	1
	2.			
Q.1	(a)	Draw 230 mm thick wall section of a single storied building and all necessary parts from top to bottom.	d denote 0	4
	<b>(b)</b>	Draw isometric view of stretcher bond and rat trap bond	0	4
Q.2	(a)	Draw / draft to scale - 1:10 An elevation and section of 350 mm thick flint rubble masonry Size of the wall panel in elevation. Height - 1500 and Width - 1	000 mm	4
	<b>(b)</b>	Explain detached piers and attached piers in English bond with Sketches.		4
Q.3		Attempt any two of the following	0	8
	(a)	Write comparison between clam burning and kiln burning.		
	<b>(b)</b>	Write advantages and disadvantages of mud construction.		
	<b>(c)</b>	Draw isometric view of 3/4 <sup>th</sup> bat and double king closer brick.		
Q.4		Attempt any two of the following	0	8
	(a)	Explain various types of bamboo wall with sketches.		
	<b>(b)</b>	Define		
		(1) Header		
		<ul><li>(2) Lap</li><li>(3) Queen closer</li></ul>		
		(4) Perpends		
		(5) Sap wood		
	<b>(c)</b>	Explain all defects of timber		
Q.5	(a)	Explain three lengthening and three widening joints in wood And explain four types of joints in stone masonry.	0	4
	<b>(b)</b>	Define brick bond and enlist various types of brick bonds and so One of the bond.	ketch 0	4

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