## GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN ARCHITECTURE – SEMESTER – I $\, \bullet \,$ EXAMINATION – SUMMER 2016

Subject Name: Construction Technology - I Time 02:30 PM TO 04:30 PM Total Mark			e: 09- 06- 2016	
		s: 50		
<ol> <li>Instructions:         <ol> <li>Attempt all questions.</li> <li>Make Suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> <li>Supplement your answer with neat sketches wherever necessary.</li> </ol> </li> </ol>				
Q.1	1. 2.	Explain the following Terms and also draw a neat sketch for the same for any Five. Beam Column	10	
	3. 4. 5. 6.	Retaining Wall Cavity Wall Brick Bond Cornice		
Q.2	7. (a)	P.C.C. Write a short note on "Random Rubble" stone masonry OR	05	
	(a) (b)	Write an explanatory note on the RCC Frame Structure Write a short note on "Ashlar" stone masonry OR	05 05	
	(b)	Write an explanatory note on the "Curing".	05	
Q.3		Draft / sketch alternative plans and elevation for min four courses for one and half brick thick English Bond. OR	10	
		Draft / sketch alternative plans and elevation for min four courses for double Flemish Bond for the wall thickness of your choice.	10	
Q.4	(a)	What is "Cement" ?, Enlist types of Cement and briefly describe any one of them OR	05	
	(a) (b)	Discuss Laboratory tests for checking the quality of the Concrete. Discuss field tests for checking the quality of the cement.	05 05	
Q.5		Draft / Sketch a typical wall section for a single floor Composite Masonry structure and label any five construction elements in the same.	10	

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