	Sea	at No.: Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		BE Arch. – SEMESTER – IV • EXAMINATION – SUMMER • 2014	
	Su	bject Code: 1045002 Date: 27-05-2014	
		bject Name: Building Construction - IV	
		me: 10:30 am - 01:30 pm Total Marks: 40	
		structions:	
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Enlist and explain with sketches – Stages of RCC construction.	04
	(b)	Explain with sketches – Hollow wall	04
Q.2		Explain with sketches (any 2)	08
	(a)	Formwork	
	(b)	Scaffolding	
	(c) (d)	Shoring Strutting	
	(u)	Strutting	
Q.3		Write short note on the following: (any 2)	08
	(a)	Elevator and Escalator	
	(b)	Partition and Paneling	
	(c)	False ceiling	
Q.4		Enlist and explain types of wiring and describe in detail with sketches; electrification of residential building.	08
		OR	
Q.4		What is HVAC? explain in detail with sketches	08
Q.5		Design a Toilet with change room (in size of 3m X 5m) for Master Bedroom on a 1 st floor apartment; assume the other information like ventilation, water supply and drainage connection etc; required for it. Draw plan, Section and details showing fittings, fixtures and services in suitable scale.	08
		OR or	
Q.5		Design a Kitchen with store room (in size of 3m X 5m) for a 1 st floor apartment; assume the other information like ventilation, water supply and drainage connection etc; required for it. Draw plan, Section and details showing fittings, fixtures and services in suitable scale.	08
