Seat No.: Enrolment	t No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BArch- SEMESTER- 4 EXAMINATION - SUMMER 2016

•		e: 1045002 Date: 10/	05/ 2016
•):30 <i>A</i>	ne: Building Construction - IV AM - 01:30PM Total Ma	rks: 40
1. 2. 3.	Atte Mak Figu	empt all questions. The suitable assumptions wherever necessary.	
Q.1	(a) (b)	Explain in brief with sketches:1. Types of shoring.2. Types of scaffolding.State the difference between an 'Air Cooler' & an 'Air Conditioner'?	04
Q.2	(a) (b)	Explain briefly with sketches: 'Cavity Wall'. Explain 'Heating Ventilation, and Air Conditioning' system? Explain in de with Sketches. OR	04
	(b)	Define the following terms: 1. Transformer 2. Electric Substation 3. LT Room 4. MCB	04
Q.3	(a) (b)	What do you mean by 'ducting' for Air Conditioning? Why and where do y require its installation? Explain briefly Partition & Paneling.	you 04 04
Q.3	(a) (b)	OR What is 'Day lightning'? What is meant by 'Daylight factor'? What is meant by AC & DC – power supply? Which type of current is suppl to your home?	04 ied 04
Q.4		Explain the different stages of R.C.C. construction. Draw required sketches.	08
Q.4		OR What do you mean by False Ceiling? Explain its purpose & different material used for it. Draw Required Sketches.	ials 08
Q.5		Design a Kitchen with Store room (in size 3m x 5m) for a 1 st floor apartment; assuthe other information like ventilation, water supply & drainage connection etc; requifor it. Draw plan, section & details showing fittings, fixtures & services in suitable so OR	ired
Q.5		Design a Toilet with Change Room in (in Size of 3m x 5m) for master bed room on a floor apartment; assumable the other information like ventilation, water supply drainage connection etc; required for it Draw plan, Section & details showing fitti fixtures & services in suitable scale.	&
