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GUJARAT TECHNOLOGICAL UNIVERSITY

BA - SEMESTER–IV EXAMINATION – WINTER 2018

Subject Code:1045002 **Date:28/11/2018**

Subject Name:Building Construction -IV

Time:02:30 PM TO 05:30 PM **Total Marks: 40**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q1	**(A)**	Explain the purpose and importance of False ceiling. Enlist the types of false ceiling with sketches and materials used for the same.	**(5)**
		OR	
Q1	**(A)**	Explain the Partition wall and Paneling. Elaborate various materials used for light weight partitions with sketches.	**(5)**
Q2	**(A)**	Explain in brief with sketches: (Any 2) (a) Shoring (b) Scaffolding (c) Formwork (d) Strutting	**(5)**
Q3	**(A)**	Enlist and explain with sketches – Stages of RCC construction.	**(5)**
	(B)	Write with examples the use of Elevators and Escalators. Explain their basic working system with sketches.	**(5)**
Q4	**(A)**	Write a short note on different types of cavity wall with relevant sketches.	**(4)**
		OR	
	(A)	Write a short note on hollow blocks.	**(4)**
	(B)	Whatis HVAC? Explain in detail with sketches	**(8)**
Q5	**(A)**	Design a Toilet with change room (in size of 3m X 5m) for Master Bedroomon a 1st floor of 3BHK Duplex Residence; 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.	**(8)**
		OR	
	(A)	Design a Kitchen with store room (in size of 3m X 5m) for a 1st 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.	**(8)**

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