Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH - SEMESTER– III • EXAMINATION – SUMMER 2014

Subject Code: 1035002 **Date: 28-05-2014**

Subject Name: Building construction-III

Time: 2:30 PM to 5:30 PM **Total Marks: 40**

Instructions:

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

Q.1	**(a)**	Write a short note on the following building materials: 1. Cement 2. Cement concrete	**04**
	(b)	Explain briefly: 1. Defects in steel 2. Market forms of steel	**04**
Q.2	**(a)**	Write a short note on: Curing of concrete	**04**
	(b)	Write a short note on: Setting and hardening of cement	**04**
		OR	
	(b)	Sketch: King post truss	**04**
Q.3	**(a)**	Sketch: Queen post truss	**04**
	(b)	Enlist types of roofs and sketch any two.	**04**
		OR	
Q.3	**(a)**	Write a short note on: Roofing	**04**
	(b)	Write a short note on: Flooring	**04**
Q.4	**(a)**	1. Enlist types of dome and sketch any two. 2. Enlist types of vault and sketch any two.	**04**
	(b)	Explain briefly with a sketch: Hydrological cycle	**04**
		OR	
Q.4	**(a)**	What is a trap? Enlist and sketch types of traps.	**04**
	(b)	Explain briefly: ‘One pipe’ and ‘Two pipes’ systems for drainage.	**04**
Q.5	**(a)**	Sketch a schematic layout of Water Distribution System for a 3 storied building.	**04**
	(b)	Write a short note on: Sanitary fixtures	**04**
		OR	
Q.5	**(a)**	Write a short note on: Plumbing fixtures	**04**
	(b)	Define the following: Run - off, Per capita demand of water, Min. and Max. Rainfall and Avg. Annual Rainfall.	**04**

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