

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BARCH - SEMESTER- VI • EXAMINATION – WINTER 2016

Subject Code: 1065002

Date: 21/10/2016

Subject Name: Building Construction VI

Time: 02:30PM – 05:30PM

Total Marks: 50

Instructions:

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

Q.1	(a)	Explain in detail with sketches the design strategies that can be employed for the design of Earthquake resistant buildings.	08
	(b)	Enlist the different tools used in the Plastering work.	02
	OR		
	(b)	Explain the Coanda Effect.	02
OR			
Q.1	(a)	Explain the method of preparation of the background surface for Plastering work to be done on a new surface.	06
	OR		
	(a)	Explain in detail the method of Plastering in case of using Lime Plaster.	06
	(b)	Enlist and explain in brief the different Components of an Air Conditioning Duct System.	04
Q.2	(a)	Explain in detail with sketches, the components of a typical Lift Well used for Traction Elevator.	06
	(b)	Explain with sketches the differences in the provisions to be kept in building design for Hydraulic Elevators and Traction Elevators.	04
	OR		
	(b)	Describe the different materials that can be used for an Air Conditioning Duct System.	04
Q.3	(a)	What are the Design considerations for Lighting in a Swimming Pool?	04
	OR		
	(a)	Enumerate The Different Types Of Paints.	04
	(b)	Enlist different types of Overflow systems used in Swimming Pool Design and Explain any one in detail with sketches.	06
Q.4	(a)	Explain with sketches the different types of Structural Glazing methods with respect to the support systems used therein.	06
	OR		
	(a)	Explain with sketches the different types of Curtain Walling systems along with the different Components used therein.	06
	(b)	Explain the differences between Curtain walling and Structural Glazing.	04
