Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY B.ARCH. - SEMESTER-VI EXAMINATION – WINTER 2015

Subj	ject	Code: 1065002 Date:09/12/2015	
_	e: 02	Name: Building Construction -VI 2:30pm to 5:30pm Total Marks: 40	
mstr		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Enlist the various types of floors and explain each of them. Explain & Draw any four of the following: Doglegged, Four Flight staircase, Straight staircase, Helical staircase & Spiral staircase.	04 04
Q.2	(a) (b)	Differentiate between stairs and ramp: (with sketches) Mention the functions of doors & windows. Define the following terms: Horn, Head, Post, Stile, Threshold & Hinge OR	04 04
Q.2		Explain Glazed curtain walls & Structural glazing. With necessary sketches & section.	08
Q.3	(a)	Define Earthquake. Explain the concept of Fault during earthquake. Explain with sketches.	04
	(b)	Enlist the different types of varnish and explain the process of varnishing OR	04
Q.3	(a) (b)	Enlist the various flooring materials and also describe each of the following. Define Seismic waves. Mention various types of seismic waves. Explain with sketches.	04 04
Q.4	(a) (b)	Enlist & brief the various types of paints. Explain the application of paints. Write a short note on: (any one) 1. Glass partition OR	04 04
Q.4	(a)	Give the flooring materials which you would recommend for the following structures: School, Temple, Church, Art Gallery, Kitchen, Living room,	04
	(b)	Define curtain walling. Enlist basic properties to be required by a curtain wall.	04
Q.5	(a)	Define Elevators. Explain the various parameters which should be considered at the time of designing Elevators.	04
	(b)	Explain the various sanitary fixtures used in the bathroom & toilets. (Min. six)	04
Q.5	(a)	OR Describe the various types of tubes with min. two types of joints used for water supply systems.	04
	(b)	Differentiate between Suspended flooring & Suspended ceiling with atleast two different materials & examples.	04
