

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

Subject Code: 1065002**Date:09/12/2015****Subject Name: Building Construction -VI****Time: 02:30pm to 5:30pm****Total Marks: 40****Instructions:**

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

- Q.1** (a) Enlist the various types of floors and explain each of them. **04**
 (b) Explain & Draw any four of the following: **04**
 Doglegged, Four Flight staircase, Straight staircase, Helical staircase & Spiral staircase.
- Q.2** (a) Differentiate between stairs and ramp: (with sketches) **04**
 (b) Mention the functions of doors & windows. Define the following terms: **04**
 Horn, Head, Post, Stile, Threshold & Hinge
- OR
- 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 **04**
- OR
- Q.3** (a) Enlist the various flooring materials and also describe each of the following. **04**
 (b) Define Seismic waves. Mention various types of seismic waves. Explain with sketches. **04**
- Q.4** (a) Enlist & brief the various types of paints. Explain the application of paints. **04**
 (b) Write a short note on: (any one) **04**
 1. Glass partition
 2. Timber partition
- OR
- Q.4** (a) Give the flooring materials which you would recommend for the following structures: **04**
 School, Temple, Church, Art Gallery, Kitchen, Living room,
 (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**
- OR
- Q.5** (a) 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**
