

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**

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