

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.ARCH. - SEMESTER-VI EXAMINATION – SUMMER 2019**

**Subject Code:1065002**

**Date:09/05/2019**

**Subject Name: Building Construction-VI**

**Time:02:30 PM TO 05:30 PM**

**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)** Explain in detail with sketches the design strategies that can be employed for the design of Earthquake resistant buildings. **06**

**(b)** Classify different types of elevators on the basis of its mechanism. **02**

**Q.2 (a)** Mark different component of stair & ramp in sketches. Explain where and why stair & ramp uses in building. **04**

**(b)** What is duct? Where it locate in the building. List different services which runs inside duct. **04**

**OR**

**Q.2 (a)** Draw a detail section of lift shaft along with lift well & describe each and every component. **04**

**(b)** List different internal building components, describe any two component in detail. **04**

**Q.3 (a)** Write short note on (any two) **08**

- Curtain wall
- Structural Glazing
- Process of varnishing on woodwork.

**Q.4 (a)** Draw a section of false ceiling of gypsum board. Give minimum two details. **04**

**(b)** What is difference between escalator & travelators? Discuss on different arrangement of escalator. **04**

**OR**

**Q.4 (a)** Draw elevation & section of glazed timber partition of 3.00m x 3.00m. **06**

**(b)** Describe in detail which flooring material will you suggest for singly loaded passage in education institute? **02**

**Q.5 (a)** Explain internal wall & external wall on the basis of physical property & material? During selection of external wall, what all conditions should take care by an architect? **08**

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