

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**
