

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

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

## GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH - SEMESTER-6 EXAMINATION – WINTER 2022

**Subject Code:2X65002**

**Date:13-12-2022**

**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.  
Simple and non-programmable scientific calculators are allowed.

**Q.1 Attempt any 4 (WITH SKETCHES) (20)**

- What do you mean by High rise structures explain with examples
- Types of forces acting on High Rise Structure..
- Types of Shear Wall in High Rise Structures, with sketches..
- State different types of structural systems adopted in High Rise building with sketches
- Key elements helping in stabilizing High rise structures.

**Q.2 (a) Which are the space Elements of High rise structure describe any 3 in detail (06)**

**Q.2 (b) Enlist the different Types of High Rise Structures. (04)**

**(OR)**

**Q.2 Enlist the High Rise Structure services describe any 3 in detail. (10)**

**Q.3 What will be the strategies you will consider while designing a high rise structure. Explain with suitable sketches and diagrams. (10)**

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