

GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH- SEMESTER-VI EXAMINATION – WINTER 2024

Subject Code:2X65002

Date:20-11-2024

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

		Marks
Q.1	(a) Give a brief for different types of loads used in high rise structures with neat sketches.	05
	(b) Describe material used in skyscrapers as per modernization period.	05
Q.2	(a) Which are the forms used for vertical circulation and its importance	05
	(b) What are electrical services in high rise building	05
OR		
	(b) Explain evolution of tall buildings with their components	05
Q.3	(a) Explain types of shear wall used in high rise building with neat sketches	05
	(b) Give the safety considerations for the construction of high rise buildings	05
OR		
Q.3	(a) Explain forces on the high rise buildings and with the type of form	05
	(b) Classify stairs in high rise structure with sketches. Brief requirements of good staircase.	05
Q.4	(a) Describe construction technique of slip and Jump form with sketches	05
	(b) Explain HVAC system for commercial use in high rise building and its function	05
