GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-III EXAMINATION – SUMMER 2025		
Suhi	Subject Code:3130609 Date:31-05-			
•		Name:Building and Town Planning	2025	
Time:02:30 PM TO 05:00 PM Total Marl			zc•70	
Instru			15.70	
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3. 4.	Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.		
	7.	Simple and non-programmable scientific calculators are anowed.	Marks	
Q.1	(a)	1 1	03	
	(b)	, , , , ,	04	
	(c)	Draw ground floor plan of a residential building on a 16 x 20m plot area as per building bye laws and principle of planning and architecture. Assume suitable direction of north and front road. Also assume necessary data.	07	
Q.2	(a)	Explain objectives of Building bye-laws.	03	
	(b)	2 0	04	
	(c)	Write short note on ODPS.	07	
	(a)	OR Evaloin asiming of algebras	07	
	(c)	Explain principles of planning.	07	
Q.3	(a)	Explain typical characteristics of perspective drawings.	03	
	(b)	Differentiate between Isometric view and Perspective view.	04	
	(c)	Discuss software application in building planning and building drawing for 2D model generation.	07	
		OR		
Q.3	(a)	Explain with sketches, house drainage system of a building.	03	
	(b)	Differentiate one point, two point and three-point perspective view.	04	
	(c)	Briefly explain behaviour of structures during earthquake and possible	07	
		mode and pattern of failure.		
Q.4	(a)	Differentiate between regional and civic survey.	03	
	(b)		04	
	(c)	Discuss in brief growth of town according to direction.	07	
Q.4	(a)	OR Explain importance of Zoning.	03	
	(b)		04	
	(c)	Briefly outline causes, characteristics and effects of slum.	07	
	(C)	Briefly outline causes, characteristics and cricets of stuff.	U1	
Q.5	(a)	What are the objectives of building services.	03	
	(b)		04	
	(c)	What are the principles of neighborhood planning.	07	
		OR		
Q.5	(a)	Enlist various components of neighbourhood.	03	
	(b)	1 *	04	
	(c)	What is NBC? How it is helpful in planning and design of buildings?	07	
