

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-IV (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2140607****Date: 12/06/2017****Subject Name: Buliding & Town Planning****Time: 10:30 AM to 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		<b>MARKS</b>
<b>Q.1</b>	<b>Short Questions</b>	<b>14</b>
	1 Define: Carpet Area	
	2 What do you mean by plinth level.	
	3 Explain : Site Plan	
	4 Define: Mezzanine Floor	
	5 Building bye-Laws are framed by .....	
	6 No. of stories restricted for load bearing building is .....	
	7 No. of Tread required= Total riser-1 (True OR False)	
	8 Sectional view is drawn to convey.....	
	9 What is the minimum size of riser of stair case in the residential Building?	
	10 The roads which connect, the town to a state highway or a national highway are termed as .....	
	11 The government of India has a vision of developing..... Smart cities.	
	12 The ratio of height to width of the road will be 2:1 in case of .....light plane rule.	
	13 Define: Town Planning	
	14 Define: Slum	
<b>Q.2</b>	(a) Give classification of Residential Buildings.	<b>03</b>
	(b) Explain Factors Considered for Selection of site for building.	<b>04</b>
	(c) Draw a line diagram of primary School. Take size of units according to general requirements of public building.	<b>07</b>
	<b>OR</b>	
	(c) Draw ground floor plan and front elevation of residential building on a 20 m × 14 m plot area for a family of four persons as per building bye laws and principle of planning. Assume necessary data require. Building should be on the ground floor only.	<b>07</b>
<b>Q.3</b>	(a) Explain: Set-Back.	<b>03</b>
	(b) Briefly explain behavior of structure during earthquake and possible move and pattern of Failure.	<b>04</b>
	(c) Enlist and explain in brief principles of planning.	<b>07</b>

**OR**

<b>Q.3</b>	(a)	Explain the following terms: 1) Centre of vision. 2) Vanishing point. 3) Picture plan	<b>03</b>
	(b)	Differentiate one point and Two point Perspective.	<b>04</b>
	(c)	Draw layout plan of Drainage system.	<b>07</b>
<b>Q.4</b>	(a)	Explain: Aims and objects of Town Planning.	<b>03</b>
	(b)	Explain: Principles of Neighbourhood Planning	<b>04</b>
	(c)	Discuss Various Aspects of Zoning.	<b>07</b>
<b>OR</b>			
<b>Q.4</b>	(a)	Objects of Master Plan.	<b>03</b>
	(b)	Short Note: Civic Survey and Regional Survey	<b>04</b>
	(c)	Enlist Types of Street System. Explain any Two.	<b>07</b>
<b>Q.5</b>	(a)	Explain Advantages of Zoning.	<b>03</b>
	(b)	Give Characteristics of Central Business district.(CBD)	<b>04</b>
	(c)	Explain growth of Town according to origin.	<b>07</b>
<b>OR</b>			
<b>Q.5</b>	(a)	Discuss the various methods adopted to collect data for the town planning.	<b>03</b>
	(b)	Describe pillars of smart city.	<b>04</b>
	(c)	Discuss the various methods of slum clearance.	<b>07</b>

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