Seat No.: Er	rolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## PDDC - SEMESTER- I EXAMINATION - SUMMER 2015

Subject Code:X10601 Subject Name: Building and Town Planning			Date:02/06/2015	
Tiı	ne: 0	2.30pm-05.30pm Total Marks:  ns: Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a)	Explain principles of planning related to positioning of building components and doors	07	
	<b>(b)</b>	&windows in detail.  Explain the concept of FSI. Also describe the criteria for margin and side & Rear open spaces.	07	
Q.2	(a)	Draw a line plan and detailed plan of residential building as per principles of planning and building bye laws from the following requirement for the 14 x 20 m plot size:  (i) Kitchen  (ii) Drawing cum dining  (iii) Bed room – 2 nos.  (iv) Store  (v) Stair room ( Internal stair only)  (vi) Verandah  Select the suitable area for above requirements & draw to a scale of 1: 100 GF plan.  Give schedule of doors & windows. Show north line and front road.	07	
	<b>(b)</b>	Draw front elevation, and a plan showing drainage and water supply of the building in Q 2(a).  OR	07	
	(b)	Draw with suitable scale, Two point Perspective for the following object. Assume suitably the distance of station point from 'O'.	07	
Q.3	(a) (b)	Explain the principles of earthquake resistant planning of building.  Design and draw detailed plan of a post office with appropriate dimensions. Assume suitable data.	07 07	
Q.3	(a)	<b>OR</b> Elaborate planning of heavier massive components e.g. water tanks, affects the behavior	07	
-	<b>(b)</b>	of building during earthquakes.  Design and draw detailed plan of a primary school with appropriate dimensions.  Assume suitable data.	07	
Q.4	(a)	Explain the objectives and necessity of town planning.	07	

	<b>(b)</b>	Explain Master plan with Objects and necessity.	07
		OR	
<b>Q.4</b>	(a)	Explain following growth of towns: (1) Ribbon development, (2) Satellite growth	07
	<b>(b)</b>	Explain the principles of town planning	07
Q.5	(a)	Explain the causes of slum.	07
	<b>(b)</b>	Describe in detail methods of slum clearance.	07
		OR	
Q.5	(a)	Explain different Civic Surveys	07
-	<b>(b)</b>	What are the objects of zoning? Explain various important aspects of zoning.	07

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