Seat No.:	Enrolment No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

PDDC - SEMESTER-I- EXAMINATION - SUMMER 2016

	•	ct Code:X10601 Date:02/06/201	6
T	ime:(	ct Name:BUILDING AND TOWN PLANNING  02:30 PM to 05:30 PM  cions:  1. Attempt any five questions.  2. Make suitable assumptions wherever necessary.  3. Figures to the right indicate full marks.	70
Q.1	(a)	Draw a detailed plan of a single storeyed building having the areas given below:  i) Drawing Room around 15.00 sq. m  ii) Two bed rooms around 13.00 sq. m each  iii) Kitchen cum Dining room around 10.00 sq. m  iv) Bath around 2.00 sq. m  v) W.C. around 1.50 sq. m  vi) 3.00 m wide front verandah  vii) Stair and stair cabin to be planned to go on terrace	14
Q.2	(a) (b)	Explain the principles of planning in brief.  i) Define the term: a) Built Up Area b) F.S.I.  c) Control line & Building line d) Porch  ii) What are the different types of Buildings.	07 04 03
Q.3	(a) (b)	Explain the causes of slum. Explain the methods for slum improvement and upgradation.  Describe the surveys that are required to be conducted before preparing master development plan of a town.	07 07
Q.4	(a) (b)	Explain the factors considered for planning earthquake resistant buildings. Explain: ribbon, concentric development theories.	07 07
Q.5	(a)	Draw the two point perspective of following figure assume all other information if required  Room 7.0m X 4.0m  D W	07
	<b>(b)</b>	Assume the size of door as $1.3 \text{m X } 2.1 \text{m}$ and window of $1.0 \text{ m X } 1.2 \text{ m}$ What is the necessity of building bye laws. Explain setback and margins with neat sketches.	07
Q.6	(a) (b)	What do you understand by Neighborhood Planning. Explain the concept of "CBD"	07 07
Q.7	(a) (b)	Explain the concept new towns: giving suitable example.  Explain important aspects to be kept in mind for low cost housing.	07 07