Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER–I • EXAMINATION – WINTER 2013

Subject Code: X10601 **Date: 21-12-2013**

Subject Name: Building and Town Planning

Time: 10.30 am - 01.30 pm **Total Marks: 70**

Instructions:

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

Q.1 **(a)** The plot for the proposed construction of residential building has the following details:- **14**

- Plot area = 260sqmt , FSI = 0.85
- Front margin = 3.0mt
- Side and Rear Margin = 1.2 & 1.5mt

Draw plan of GF with Bed Room, Kitchen, Drawing room, Verandah, toilet ,Master toilet and FF with Bed Room, Children room toilet etc., and with Elevation & Schedule of opening.

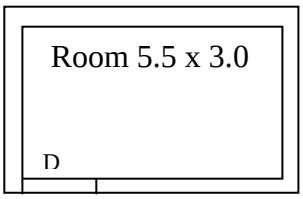
Q.2 **(a)** Draw the furniture layout of bed room, drawing room, kitchen and dinning for plan drawn in the above question with all dimensions. **07**

(b) Enlist the principle of planning and explain in detail 1)Aspect 2) Privacy 3) Economy **07**

Q.3 **(a)** Design and Draw a plan of the science School Building having the following units required (i) Classroom no 6 (ii) Biology laboratory (iii) Physics laboratory (iv) Chemical laboratory **07**
(v) Staff room (vi) Principal office (vii) Play ground
(viii) Parking (ix) common Toilet (x) Library (xi) Canteen etc., take appropriate sizes and assumption.

(b) List and explain various agencies responsible for Housing. **07**

Q.4 **(a)** Draw the two point prespective of following figure, assume all other information if required door size 1.5 X 2.1 **07**



(b) Which shapes or symmetry of building is preferred as earthquake resistant building explain in detail. **07**

Q.5 **(a)** Discuss with sketch Ribbon development and satellite town. **07**

(b) Write detailed note on ancient town planning in India **07**

Q. 6 **(a)** What is a Slum and how we can develop the slum **07**

(b) Describe Neighbor hood Planning. **07**

Q. 7 **(a)** Explain the Master plan with example. **08**

(b) Describe selection of site for Town. **03**

(c) Explain the (i) Layout plan (ii) FSI (iii) Foundation plan. **03**

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