## **GUJARAT TECHNOLOGICAL UNIVERSITY** PDDC - SEMESTER-I • EXAMINATION – WINTER • 2014

Subject Code: X10601

Date: 01-01-2015

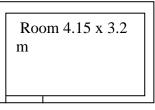
Subject Name: Building and Town Planning Time: 10:30 am - 01:30 pm

**Total Marks: 70** 

- Instructions:
  - 1. Attempt any five questions.
  - 2. Make suitable assumptions wherever necessary.
  - 3. Each Question carry equal marks(14 Marks)
  - Q.1 (a) The plot for the detachable building has the following details:-
    - > Plot area =  $15 \times 15$ , FSI = 0.9
    - ➢ Front margin = 3.2mt
    - Side and Rear Margin = 1.25

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

- Q.2 (a) Design and Draw a plan having plot size 30 X 30m of the Hospital Building having the minimum following units required (i) OPD Room (ii) Case Window (iii) Administration room (iv) Operation Theater (v) X-Ray Room (vi) CT Scan Room (vii) General Ward (viii)Special Room. Other needed units must be provided.
  - (b) Draw the furniture layout of operation theater, OPD Room & General Ward for plan drawn in the above question with all dimensions.
- Q.3 (a) Explain Neighborhood planning in detail.
  (b) Differentiate between the 1 Zoning & reservations
  - 2 Row of housing & flats
- **Q.4** (a) Draw the two point perspective of following figure, eye level is 1.5 mtr, assume suitable data, door size 1.2 X 2.0



- (b) Define slum. What are negative aspects of Slum? What are slum improvements methods?
- **Q.5** (a) List types of survey require for town & discuss the civic survey.
  - (b) Describe the important measure you will take at the time of planning to make the building Earthquake proof
- **Q.6** (a) Write a short note on "planned cities of India".
  - (b) Explain need and use of master plan of the town.
- **Q.7** (a) What is CBD. Explain in detail use and negative aspect of CBD.

(b) Explain the (i) common plot (ii) Loft (iii) Carpet Area.