

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-III • EXAMINATION – SUMMER • 2014

Subject Code: 130603**Date: 04-06-2014****Subject Name: Building and Town Planning****Time: 02.30 pm - 05.30 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Classify the buildings according to it's use. **07**
 (b) List the principles of building planning and explain Aspect and Privacy in detail. **07**
- Q.2** (a) Plan a residential building for a family of six member. Building will have kitchen, Drawing room, store, two bed room with attached toilet and bath. Draw plan and elevation. **07**
 (b) Write about different building components in detail. **07**
- OR**
- (b) What are the building bye laws? Write objectives of building bye laws. **07**
- Q.3** (a) What is perspective view of an object ? Explain picture plane, Horizontal plane, Vanishing point, Angle of vision with suitable sketch. **07**
 (b) How a building is made earthquake resistant using construction technique? **07**
- OR**
- Q.3** What is Public building? Plan a primary health centre to be constructed in a village. The plot size is 80m x 40m with frontage along north-south direction. Draw a line drawing of the building showing (i) waiting room (ii) Doctor's room (iii) Examination room (iv) Medical store (v) Varandah etc. **14**
- Q.4** (a) Explain the aims and objectives of Town planning. **07**
 (b) Explain the different ways of growth of towns with sketch. **07**
- OR**
- Q.4** (a) List the different survey carried out for town planning and explain Economic survey in detail. **07**
 (b) Define zoning and write importance of zoning in town planning also give classification of zoning. **07**
- Q.5** (a) Write meaning of slum and narrate the causes of slums in a town. **07**
 (b) What are recreational facilities in town? How the site for parks and play ground is decided?. **07**
- OR**
- Q.5** (a) Define Master plan of a town and write objectives of the master plan. **07**
 (b) Write the features of Master plan in detail. **07**
