

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER- III EXAMINATION – SUMMER 2015****Subject Code: 130603****Date: 09/06/2015****Subject Name: Building & Town planning****Time: 02.30pm-05.30pm****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) Give the classification of various buildings as per utility **07**
 (b) Discuss the principles of building planning and explain any one in detail. **07**
- Q.2** (a) Describe various building components. **07**
 (b) Plan a residential building for 2 bed rooms drawing room, kitchen store with attached bath and toilet. Draw plan and elevation. **07**
- OR**
- (b) Write short note on building byelaws. **07**
- Q.3** (a) What are the precautions to be taken against formation of slum? **07**
 (b) Write a short note on planning of Industrial waste. **07**
- OR**
- Q.3** (a) What are the features of master plan? **07**
 (b) What are the surveys carried out for town planning in detail? **07**
- Q.4** (a) What is zoning? Classify zoning and discuss importance of zoning. **07**
 (b) What is slum and causes of it? **07**
- OR**
- Q.4** (a) Write short note on master plan of town. **07**
 (b) Define a public building. Plan a public health center construction in a town. **07**
 Plot size is 100m* 50m. With facilities 1) waiting room,2) Doctor's room, examination room & medical store.
- Q.5** (a) Define: 1) Picture plane.2) Horizontal plane.3) Vanishing point, 4) Angle of vision. **07**
 (b) What are the objects and purpose of town planning? **07**
- OR**
- Q.5** (a) Discuss the techniques to make the construction earthquake resistant. **07**
 (b) What is perspective view of an object? Discuss the method of drawing perspective in detail. **07**
