

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – WINTER • 2014****Subject Code: 130603****Date: 01-01-2015****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)** List the various principles of building planning and explain privacy and roominess in detail. **07**
- (b)** Classify the buildings according to their use. **07**
- Q.2 (a)** Plan a residential building for a family of 6 members. Building will have kitchen, drawing room, store, two bed rooms with attached toilet and bathroom. Draw plan and elevation. **07**
- (b)** Explain 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. **07**
- (b)** How building is made Earthquake resistant using construction technique ? **07**
- OR**
- Q.3 (a)** What is public building? Plan a primary health centre to be constructed in a village. The plot size is 80 x 40 m with frontage along north – south direction. Draw a line diagram of the building showing waiting room, Doctor's room, Examination room, Medical store and verandah. **07**
- (b)** What is aspect and prospect for a building? Explain with examples. **07**
- Q.4 (a)** Explain the aims and objectives of town planning. **07**
- (b)** Explain the different ways or pattern of growth of towns with sketch. **07**
- OR**
- Q.4 (a)** Mention 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 causes of slums. **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 causes of expansion of town. **07**
