

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-III (OLD) EXAMINATION – WINTER 2018****Subject Code:130603****Date:01/12/2018****Subject Name:Building And Town Planning****Time:10:30 AM TO 01:30 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) What is Public building? Plan a primary health centre to be constructed in a plot size of 100m x 60m. Draw plan and elevation of building as per building bye laws and principles of planning and architecture. Assume suitable direction of North and front road. Assume suitable data require and mention it clearly. **14**
- Q.2** (a) Classify the buildings according to their use. **07**  
(b) How building is made Earthquake resistant using construction technique? **07**
- OR**
- (b) What are the surveys carried out for town planning in detail? **07**
- Q.3** (a) Define zoning and write importance of zoning in town planning. Also give classification of zoning. **07**  
(b) Explain unity, mass composition and contrast as principles of architecture. **07**
- OR**
- Q.3** (a) Write a short note on master plan of town. **07**  
(b) What is slum and causes of it? **07**
- Q.4** (a) Explain in brief: Plinth Area, Floor Space Index and Set Back. **07**  
(b) What is National Building Code (NBC)? How it is helpful in planning and design of buildings. **07**
- OR**
- Q.4** (a) Explain the terms: Picture Plane, Centre of Vision, and Vanishing Point. **07**  
(b) What are the principles of neighborhood planning. **07**
- Q.5** (a) Differentiate one point and two point perspective view with neat sketch. **07**  
(b) List the various principles of building planning and explain privacy and roominess in detail. **07**
- OR**
- Q.5** (a) Discuss briefly about different data collected while conducting civic survey. **07**  
(b) Explain the different ways or pattern of growth of towns with sketch. **07**

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