

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– III(OLD) EXAMINATION – SUMMER 2019****Subject Code: 130603****Date:07/06/2019****Subject Name: Building And Town Planning****Time: 02:30 PM TO 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) Draw ground floor and first floor plan of a two storeyed residential building on a 18×22 m plot area for a family of six persons as per building bye laws and principles of planning and architecture. Assume suitable direction of North and front road. **14**
- Q.2** (a) List the principles of building planning and explain Aspect and Prospect in detail. **07**
(b) Explain unity, rhythm and contrast as principles of architecture. **07**
- OR**
- (b) What are the building bye laws? Write objectives of building bye laws. **07**
- Q.3** (a) Explain various points to be considered for the planning of earthquake resistant buildings. **07**
(b) Discuss the requirements of a school Building as per planning point of the view. Suggest approximate Sizes of the Various units. **07**
- OR**
- Q.3** (a) Differentiate between one point, two point and three point perspective drawings. **07**
(b) Discuss the requirements of a Post office Building as per planning point of the view. Suggest approximate Sizes of the Various units. **07**
- Q.4** (a) Define term 'Town planning'. Explain objectives of town planning. **07**
(b) What are the objects of zoning? Explain various important aspects of zoning. **07**
- OR**
- Q.4** (a) Write a short note on "Origin and growth of towns" **07**
(b) Write a short note on master plan of town. **07**
- Q.5** (a) What are the causes of slum? Discuss methods of slum clearance. **07**
(b) Discuss the principles of neighborhood planning. **07**
- OR**
- Q.5** (a) Write a short note on "Civic Surveys" **07**
(b) Write a short note on "Ribbon Development" **07**
