

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III(OLD) • EXAMINATION – WINTER 2016

Subject Code:130603

Date:06/01/2017

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.
4. Attempt Q.1 , Q.2 (a) and Q.2(b) in drawing sheet and other questions in answer sheet.

- Q.1** What is Public building? Plan a Higher secondary school to be constructed in a plot size of 120m 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)** Draw two point perspective drawing of mile stone for the composition shown in figure no.1 (select most effective position of height and distance of station point) **07**
- (b)** Draw a line diagram of a public health center . Take size of units according to general requirements of public building. **07**
- OR**
- (b)** Briefly define and/or explain following: **07**
1. Control line and building line
 2. Built up area
 3. Floor space index
 4. Consolidated Open Plot
- Q.3 (a)** Enlist various principles of planning & explain any three of them. **07**
- (b)** Explain important aspects to be kept in mind for rural housing. **07**
- OR**
- Q.3 (a)** Explain Objectives, Scope and Applicability of Building Bye Laws. **07**
- (b)** What are the points to be keep in mind while planning of earthquake Resistant building? **07**
- Q.4 (a)** Explain the causes, preventive measures and remedial measures of slums. **07**
- (b)** What are recreational facilities in town? How the site for parks and play ground is decided? **07**
- OR**
- Q.4 (a)** Write descriptive and detailed note on : Origin and growth of towns **07**
- (b)** Discuss the topics covered in civic survey and their use. **07**
- Q.5 (a)** Define a development plan or master plan. Explain procedure to prepare development plan of an existing town. **07**
- (b)** Define zoning and write importance of zoning in town planning. Also give classification of zoning **07**
- OR**
- Q.5 (a)** What are the principles of neighborhood planning **07**
- (b)** Enlist the principles of architecture, and distinguish architectural scale and drawing scale. **07**
-

Subject code:- 130603 [winter 2016]
Date:- 6/1/17

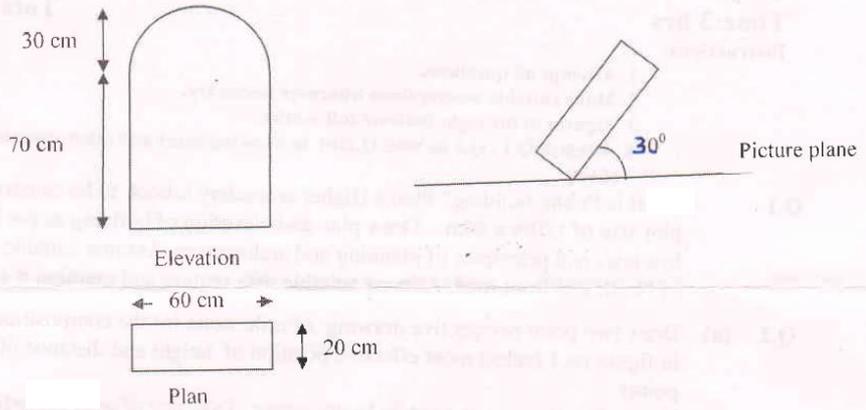


Fig 1