Seat No.:	Enrolment No.
Seat No	Elifolitietti No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III EXAMINATION - SUMMER 2016

Subject Code:130603

Tir	ne:10 ructio 1. 2.	Name:Building and Town Planning 0:30 AM to 01:30 PM Total Marks: 'ons: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	70
Q.1	(a)	Your client has purchased plot no.20. Admeasuring 25.0 m X 20.0 m. with its shorter side abutting to 9.0 m. wide society road. Requirements are specified as follows: Drawing Room, Kitchen cum dinning room with attached store and access to outside, Two bed Rooms with attached toilet, Guest bed room, Common toilet ,Verandah, internal staircase Plot details are as follows: North is parallel to 9.0 m. wide society road. Permissible built-up area = 40 % FSI permissible = 1.1 Perform design steps like area calculations, area allocations, trial grouping , room size determination, provide doors, windows, ventilators, other openings etc., Design Stair case and Prepare line plan showing all this details and prepare schedule of openings.	07
	(b)	Prepare detailed plan with all relevant details based upon line plan prepared in $Q1(a)$	07
Q.2	(a)	Prepare detailed sectional elevation (by selecting section plane passing through stairs) with all relevant details based upon plan prepared in Q.1(b)	07
	(b)	Enlist and describe the information collected during site visit prior to planning. Also describe the information collected from client while conducting the discussions prior to planning.	07
	(b)	OR Enlist principles of building planning and explain Circulation and roominess in detail.	07
Q.3	(a)	Explain unity, mass composition and contrast as principles of architecture.	07
	(b)	Explain Objectives, Scope and Applicability of Building Bye Laws and Development control regulations. OR	07
Q.3	(a)	Briefly outline the guidelines for design of secondary school.	07
	(b)	Explain purpose of submission drawing, working drawing and record drawing. Also enlist various working drawings that may be needed for construction of high rise commercial complex.	07
Q.4	(a) (b)	Discuss the aims and objectives of town planning. Discuss the different ways of growth of towns with sketches. { P.T.O.}	07 07

Date:09/06/2016

Q.4	(a) (b)			
Q.5	(a)	Define master plan of a town. Discuss stages of preparation of master plan and execution of master plan.		06
	(b)	Explain the following terms (i)Station point (iii) Vanishing point (v) One Point Perspective (vi) Ground Plane	with reference to perspective drawing with sketch: (ii) Horizon plane (iv) Cone of vision (vi) Two Point Perspective (viii) Centre of Vision	08
			OR	
Q.5	(a) (b)	, I		
