Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BArch- SEMESTER- 6 EXAMINATION - SUMMER 2016

Subject Code:1065005 Date: 1 Subject Name: ESTIMATING & COSTING			13/05/2016	
Tiı	ne: 1 tructio 1. 2.	0.30AM – 12.30PM Total Marks:	50	
Q.1	(a) (b)	Define rate analysis and write purpose of rate analysis. Explain factors affecting rate analysis.	05 05	
Q.2	(a)	Find the rate of Plain cement concrete (1:2:4) per cu.m. by rate analysis. Assume suitable rates of material and labour.	05	
	(b)	Write detailed specifications of following items (ANY TWO) 1) Earthwork in excavation 2) First class brick work in cement mortar 1:4 in super structure 3) Plastering in walls 4) Reinforced cement concrete (1:1.5:3) OR	05	
	(b)	Give classification of specification and explain.	05	
Q.3	(a)	Work out the quantity of items listed below of chaukidar quarter shown in fig (a). 1) Earth work 2) C.C. for foundation 3) II nd class brick masonry in CM (1:6) for foundation and plinth 4) Wood work for doors, windows and ventilators	10	
	(b)	,	10	
Q.4	(a) (b)	Explain methods for building estimates and explain any one in detail. Write modes of measurement as per IS:1200 OR	05 05	
	(b)	What is the significance of market survey in civil engineering? How the rate of an item is derived by method of rate analysis?	05	

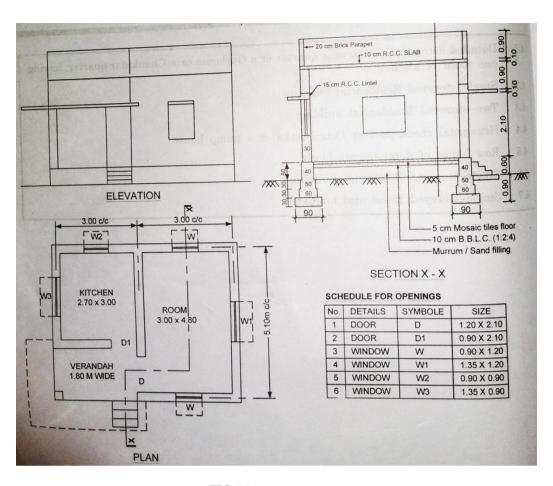


FIG (a)

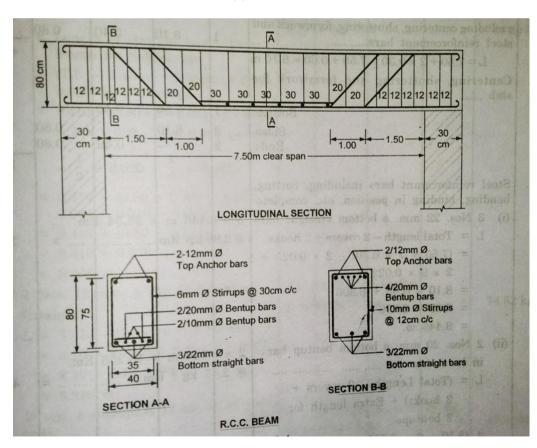


FIG (b)