GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER VI • EXAMINATION – SUMMER 2015

Su Ti	Subject Code:161303Date:08/05/201Subject Name: Estimation, Specification and Project ManagementTime:10.30AM-01.00PMTotal Marks:Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain "Earnest money" and "Security deposit" in detail Write a short note on "lump sum contracts"	07 07
Q.2	(a)	What is specification? Give the difference between general specification and detailed specification	07
	(b)	Write down specifications for reinforced cement concrete (R.C.C) OR	07
	(b)	Write down specifications for Damp proof course 2.5cm c.c 1:1.5:3	07
Q.3	(a) (b)	Prepare rate analysis for R.C.C (1:2:4) Write down factors affecting Rate Analysis OR	07 07
Q.3	(a) (b)	Prepare rate analysis for 12mm(1:6) thick plastering Prepare rate analysis for brick masonry for super structure in cement mortar (1:6)	07 07
Q.4	(a)	Define Shallow foundation. Enlist types of shallow foundation. Explain any one with neat sketch.	07
	(b)	Explain the methods of improving safe baring capacity of soil. OR	07
Q.4	(a)	Explain the difference between plain cement concrete and reinforce cement concrete. what are the properties of reinforced concrete	07
	(b)	What is plastering? What are the requirement of good plaster	07
Q.5	(a) (b)	Differentiate between CPM and PERT network. Define an event and activity. Differentiate between Event and Activity OR	07 07
Q.5	(a) (b)	Explain why planning is necessary. Describe various steps for planning a project For the network show in figure compute the activity times, float and determine the critical path.	07 07

Q5(b) or - Network diagram.




