Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VI • EXAMINATION – WINTER • 2014

Subject Code: 161303 **Date: 01-12-2014**

Subject Name: Estimation, Specification and Project Management

Time: 02:30 pm - 05:00 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)**	Write down the factors affecting Rate Analysis.	**07**
	(b)	Differentiate between PERT and CPM network.	**07**
Q.2	**(a)**	Write a short note on "Earnest Money and Security Deposit".	**07**
	(b)	Write a short note on Lump sum Contract.	**07**
		OR	
	(b)	What are the objectives and uses of Specifications?	**07**
Q.3	**(a)**	Explain Long wall and short wall method of estimate with example.	**07**
	(b)	Write detailed specifications of R.C.C. work.	**07**
		OR	
Q.3	**(a)**	Write a short note on Unbalanced Tender.	**07**
	(b)	Write detailed specifications of Excavation.	**07**
Q.4	**(a)**	Enlist the types of Foundations and explain any one in detail.	**07**
	(b)	Prepare Rate Analysis for cement concrete (1:2:4).	**07**
		OR	
Q.4	**(a)**	Write a short note on contractual disputes and arbitration.	**07**
	(b)	Prepare Rate Analysis for 12mm thick plastering.	**07**
Q.5	**(a)**	What is Milestone chart? Differentiate between Milestone chart and Bar chart.	**07**
	(b)	What is Scheduling? What is its role in Construction Project?	**07**
		OR	
Q.5	**(a)**	Define an Event and Activity. Differentiate between Event and Activity.	**07**
	(b)	What is Contract? What are the essential requirements of a valid Contract?	**07**

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