

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2161303****Date: 08/05/2017****Subject Name: Estimating, Specifications & Project Management****Time: 10:30 AM to 01:00 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	Short Questions	14
	1 Define Contract.	
	2 Define Specification.	
	3 What is Tender?	
	4 What do you mean by Rate analysis?	
	5 Define Estimation?	
	6 Define Event.	
	7 Define Activity.	
	8 What is Scheduling?	
	9 Define Project Management.	
	10 Define Planning.	
	11 What is Subsurface investigation?	
	12 What do you mean by Arbitration?	
	13 What is Project Controlling?	
	14 What is SOR?	
Q.2	(a) Enlist types of Foundation.	03
	(b) Give classification of Specifications.	04
	(c) Explain key procedural steps for detailed estimation of typical Soak pit.	07
	OR	
	(c) Explain Long wall and Short wall method of estimation with examples.	07
Q.3	(a) Enlist types of Estimates.	03
	(b) Which are the factors affecting Rate analysis.	04
	(c) Write detailed specifications of R.C.C. (1:2:4).	07
	OR	
Q.3	(a) Enlist various types of Contract.	03
	(b) What are the objectives & uses of Specification?	04
	(c) Prepare rate analysis for Cement concrete (1:2:4).	07
Q.4	(a) What is Unbalanced tender?	03
	(b) Explain Rubble masonry in brief.	04
	(c) Explain “Earnest Money” and “Security Deposit” in detail.	07
	OR	
Q.4	(a) Enlist types of Tender.	03
	(b) Explain the role of dummy activity in Scheduling.	04
	(c) What are the essential requirements of a valid Contract?	07
Q.5	(a) What is Unit-price contract?	03
	(b) Differentiate between Milestone chart & Bar chart.	04
	(c) Write conditions of contract for Arbitration.	07

OR

- Q.5** (a) What is Optimistic time? **03**
(b) Differentiate between CPM & PERT. **04**
(c) Prepare a Tender Notice inviting tenders for Analytical Balance for an educational institute with estimated cost of Rs.55000/-. **07**
