

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2018****Subject Code:2161303****Date:04/12/2018****Subject Name:Estimating, Specifications & Project Management****Time: 02:30 PM TO 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) What do you mean by Estimating? **03**  
(b) Differentiate between Milestone chart & Bar chart. **04**  
(c) What are the essential requirements of a valid Contract? **07**
- Q.2** (a) What is Specification? **03**  
(b) Explain Unbalanced tender with suitable example. **04**  
(c) Write detailed specifications of R.C.C. (1:2:4). **07**
- OR**
- (c) Prepare rate analysis for Cement concrete (1:2:4). **07**
- Q.3** (a) Define Project Management. **03**  
(b) Explain the role of dummy activity in Scheduling. **04**  
(c) Prepare a Tender Notice inviting tenders for Analytical Balance for an educational institute with estimated cost of Rs.48000/-. **07**
- OR**
- Q.3** (a) Enlist types of Foundation. **03**  
(b) What is the importance of Project Management? **04**  
(c) What do you mean by “Earnest Money” and “Security Deposit”. **07**
- Q.4** (a) What do you mean by Rate analysis? **03**  
(b) What are the objectives & uses of Specification? **04**  
(c) Explain Rubble masonry in brief. **07**
- OR**
- Q.4** (a) What is Project Scheduling? **03**  
(b) Give classification of Specifications. **04**  
(c) Write a short note on Lump-sum Contract. **07**
- Q.5** (a) What is SOR? **03**  
(b) Write a short note on Contractual disputes. **04**  
(c) Explain Long wall and Short wall method of estimation with examples. **07**
- OR**
- Q.5** (a) What is Subsurface investigation? **03**  
(b) Explain Arbitration in brief. **04**  
(c) Differentiate between CPM & PERT. **07**

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