

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI • EXAMINATION – WINTER 2013****Subject Code: 161303****Date: 02-12-2013****Subject Name: Estimation, Specification & 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 are the objectives and uses of Specifications? **07**  
(b) What is Contract? What are the essential requirements of a valid Contract? **07**
- Q.2** (a) Write a short note on Unbalanced Tender. **07**  
(b) Write a short note on “Earnest Money and Security Deposit”. **07**
- OR**
- (b) Write down the factors affecting Rate Analysis. **07**
- Q.3** (a) Write a short note on Unit-price Contract. **07**  
(b) Write detailed specifications of Excavation. **07**
- OR**
- Q.3** (a) Write a short note on Lump sum Contract. **07**  
(b) Write detailed specifications of R.C.C. work. **07**
- Q.4** (a) Prepare Rate Analysis for 12mm thick plastering. **07**  
(b) Explain Rubble Masonry in detail. **07**
- OR**
- Q.4** (a) Prepare Rate Analysis for cement concrete (1:2:4). **07**  
(b) Enlist the types of Foundations and explain any one in detail. **07**
- Q.5** (a) What is Scheduling? What is its role in Construction Project? **07**  
(b) Define an Event and Activity. Differentiate between Event and Activity. **07**
- OR**
- Q.5** (a) What is Milestone chart? Differentiate between Milestone chart and Bar chart. **07**  
(b) Differentiate between PERT and CPM network. **07**

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