

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019****Subject Code:2161303****Date:21/05/2019****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** (a) Define: (i) contract (ii) specifications **03**
 (b) What is plastering? What are the requirements of good plaster? **04**
 (c) Enlist types of foundations and explain any one in detail. **07**
- Q.2** (a) Enlist types of estimates. **03**
 (b) Write importance and purpose of specifications. **04**
 (c) Prepare rate analysis for 12 mm thick plastering. **07**
- OR**
- (c) Prepare rate analysis for R.C.C. (1:2:4) work. **07**
- Q.3** (a) What is subsurface investigation? **03**
 (b) Which are the factors affecting rate analysis. **04**
 (c) Explain long wall and short wall method of estimation with examples. **07**
- OR**
- Q.3** (a) Write a short note on measurement book. **03**
 (b) Describe Rubble masonry in detail. **04**
 (c) Write a short note on “Earnest money” & “security deposit”. **07**
- Q.4** (a) What is project planning? **03**
 (b) Explain the following terms for the condition of contract. **04**
 Alteration, Addition, Omission.
 (c) Explain lump-sum contract in detail. **07**
- OR**
- Q.4** (a) What is SOR? **03**
 (b) Differentiate between PERT and CPM. **04**
 (c) What do you understand by a “dummy”? What are its uses? **07**
- Q.5** (a) Define Optimistic time and Pessimistic time. **03**
 (b) Define and briefly explain an activity & event of a project. **04**
 (c) Write detailed specifications of R.C.C.(1:2:4) work. **07**
- OR**
- Q.5** (a) What is unbalanced tender? **03**
 (b) Differentiate between Milestone chart and Bar chart. **04**
 (c) Prepare a tender notice inviting tenders for BOD incubator for R & D laboratory with estimated cost of Rs. 65000. **07**
