

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2022****Subject Code:3161303****Date:06/06/2022****Subject Name:Estimation , Specifications and 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.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) Define Project Management. **03**
 (b) Differentiate between CPM & PERT. **04**
 (c) Explain center line method of estimation with suitable example. **07**
- Q.2** (a) Define Specification. **03**
 (b) Differentiate between “Earnest Money” and “Security Deposit”. **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) What do you mean by Tender? **03**
 (b) What is the importance of Project Planning? **04**
 (c) Write a short note on Arbitration. **07**
- OR**
- Q.3** (a) What do you mean by Estimation? **03**
 (b) Enlist uses of Specification. **04**
 (c) How Tender notice is prepared? **07**
- Q.4** (a) What do you mean by Bar chart? **03**
 (b) Classify Specifications. **04**
 (c) Describe Unit-rate Contract. **07**
- OR**
- Q.4** (a) What do you mean by Project Scheduling? **03**
 (b) Describe Unbalanced Tender with example. **04**
 (c) Describe Lump-sum Contract. **07**
- Q.5** (a) What do you mean by CPM? **03**
 (b) Give classification of Contracts. **04**
 (c) What are the essential requirements of a valid Contract? **07**
- OR**
- Q.5** (a) Define Rate analysis. **03**
 (b) Describe project networking technique with one example. **04**
 (c) Enlist types of Foundation and explain any one with neat sketch. **07**
