

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER– VI (New) EXAMINATION – WINTER 2019

Subject Code: 2161303

Date: 12/12/2019

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) Define Project Management. **03**
 (b) Classify Contracts. **04**
 (c) Prepare a Tender Notice inviting tenders for BOD Incubator for an educational institute with estimated cost of Rs.48000/-. **07**
- Q.2** (a) Define Contract. **03**
 (b) Classify Specifications. **04**
 (c) Restate essential requirements of a valid Contract. **07**
- OR**
- (c) Describe Unbalanced Tender with example **07**
- Q.3** (a) Define Estimating. **03**
 (b) Enlist objectives & uses of Specification. **04**
 (c) Prepare rate analysis for Cement concrete (1:2:4). **07**
- OR**
- Q.3** (a) Define Rate analysis. **03**
 (b) "Project Management is a tool for cost saving", Argue. **04**
 (c) Outline detailed specifications for Excavation work. **07**
- Q.4** (a) Define Tender. **03**
 (b) Differentiate between CPM & PERT. **04**
 (c) Evaluate Lump-sum Contract and Unit-rate Contract for their suitability. **07**
- OR**
- Q.4** (a) Define SOR. **03**
 (b) Compare Long-wall, Short-wall method and Center line method. **04**
 (c) Restate Condition of Contract for Arbitration. **07**
- Q.5** (a) Define Project Scheduling. **03**
 (b) Differentiate between Earnest Money Deposit & Security Deposit. **04**
 (c) Describe the procedure to carry out the estimation of quantities for typical Septic Tank. **07**
- OR**
- Q.5** (a) Define Dummy Activity. **03**
 (b) Differentiate between Milestone chart & Bar chart. **04**
 (c) Calculate the Completion period and prepare Network diagram for following details: **07**

Activity Item	A	B	C	D	E	F	G
Duration in Days	88	54	65	92	96	74	45
Activity Immediately Preceding	---	A	A	B	B,C	D,E	E
Activity Immediately Following	B,C	D,E	E	F	F,G	---	---
