

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**ME - SEMESTER-I(New course)• EXAMINATION – WINTER- 2015**

**Subject Code: 2711401****Date: 01/01/2016****Subject Name: Construction Project Management****Time:2:30 pm to 5:00 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) Explain the roles of construction project manager for effective functioning of construction project. **07**  
 (b) Discuss the significance of Planning and Scheduling of construction project with suitable example. **07**

- Q.2** (a) Differentiate the terms : BOT, BOLT and BOOT with suitable example. **07**  
 (b) Enlist and explain various reasons of Time and Cost overrunning of construction Project **07**

**OR**

- (b) Enlist and explain various remedies to reduce the Time and Cost overrunning of construction Project **07**

- Q.3** (a) Define formal organization and discuss salient characteristics of formal organization **07**  
 (b) Write Short note on : **07**  
 (1) Resource Leveling (2) Quality Audit

**OR**

- Q.3** (a) Define informal organization and discuss salient characteristics of formal organization **07**  
 (b) Discuss the role of various computer softwares and soft computing techniques to make the construction project successful overall. **07**

- Q.4** (a) Prepare Work break down structure for **any one** of the following **07**  
 (1) Residential building project (2) School project  
 (b) Write short notes on : **07**  
 (1) Draft Project Report (2) Cost appraisal of project

**OR**

- Q.4** (a) Do you agree that value engineering can impact on cost validation? Justify your answer with suitable perspectives. **07**  
 (b) Explain construction project life cycle .Also discuss how various phases of project life cycle can be made effective. ? **07**

- Q.5** (a) Discuss the significance of Cost Planning and Cost Budgeting for construction projects with suitable reference. **07**  
 (b) Differentiate between CPM and PERT. Also mention their suitability for the construction projects **07**

**OR**

- Q.5** (a) Explain Quality assurance and Cost of Quality with suitable reference. **07**  
 (b) Write short notes on : **07**  
 (1) CONQUAS (2) TQM

\*\*\*\*\*