

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER-1 • EXAMINATION – WINTER 2014

Subject Code: 2711401**Date: 07/01/ 2015****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) How does Cost Overrun and Time Overrun lead to barrier in growth of Construction Industry? **07**
- (b) Describe the priorities of construction manager at Project Commencement stage and Project Conclusion Stage. Support the answer with brainstorming aspects of construction management. **07**
- Q.2** (a) Enlist and explain the Essential functions of Construction Project Management **07**
- (b) Describe the significance of Work Breakdown Structure in Construction Project Management. Support your Answer With suitable Example. **07**
- OR**
- (b) Draw a diagram/sketch of typical of Project Life cycle and explain its various stages. **07**
- Q.3** (a) Write Short notes on : **07**
 (a) DPR (b) BOLT
- (b) Explain Project Control Methodology with reference to **07**
 (a) Controlling Resource Productivity (b) Controlling Cost (c) Controlling time
- OR**
- Q.3** (a) Explain various time estimates used in PERT **07**
- (b) Differentiate between BOT and BOOT with suitable example. **07**
- Q.4** (a) Explain the term Quality Assurance and Quality Control in terms of Construction Projects. **07**
- (b) Enlist and critically explain the most common reasons of failure of Construction Projects in India. **07**
- OR**
- Q.4** (a) Describe the significance of Critical Path, Float and Dummy Activity in developing Project Network. **07**
- (b) Differentiate between Precedence Network Analysis(PNA) and Critical Path Method (CPM) **07**
- Q.5** (a) Explain the following terms in brief : **07**
 (a) Cost budgeting (b) Cost Control (c) Cost of Quality
- (b) Enlist and explain various advantages and disadvantages of Formal and Informal Organization. Also mention the basic difference between them. **07**
- OR**
- Q.5** (a) Enlist and explain the various factors affecting the Work Scheduling **07**
- (b) Write short notes on : **07**
 (1) Project Maturity (2) CONQUAS
