

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER– I (New course)• REMEDIAL EXAMINATION – SUMMER 2015

Subject Code: 2711401

Date:13/05/2015

Subject Name: Construction Project Management

Time: 10:30 am to 1:00 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 do you see the importance of management in construction industry? Justify your answer with suitable example. 07
- (b) Explain the formal and informal organization and their role in construction management. 07
- Q.2 (a) Describe the BOT, BOOT and BOLT with suitable example. 07
- (b) Explain the concept of cost benefit analysis with context of construction project in detail. 07
- OR**
- (b) How do you see the importance of Quality control for construction industry? 07
- Q.3 (a) Explain the following techniques in brief: 07
(1) PERT (2) LOB
- (b) Describe the concept of WBS in Construction Management. Support your answer with example. 07
- OR**
- Q.3 (a) Enlist and explain the role of various softwares and their functionality used for construction management. 07
- (b) Discuss the Time and Cost overrun in construction project. Enlist their respective effects. 07
- Q.4 (a) Discuss the roles of construction manager for the construction project. 07
- (b) Enlist and explain the measures to avoid time overrun and cost overrun at various stages of construction project. (At least Seven for each) 07
- OR**
- Q.4 (a) What is Value Engineering? How do you see its scope in cost validation? 07
- (b) Explain the following terms: 07
(1) Critical Path (2) ISO Standards
- Q.5 (a) Enlist and explain critically the various reasons of success or failure of construction project. 07
- (b) Explain the significance of float in project network. Enlist and define various types of floats. 07
- OR**
- Q.5 (a) Enlist and explain the various elements kept in consideration for the preparation of Draft Project Report? Support your answer with example. 07
- (b) Discuss Cost Budgeting and Cost Control with reference to Construction Project 07
