

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA – SEMESTER – 4 • EXAMINATION – WINTER 2015

Subject Code: 2840006

Date: 01/12/2015

Subject Name: Project Management (PM)

Time: 02.30 PM TO 03.30 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 PERT and CPM. Explain the rules of constructing a network. **07**
(b) Define Project. Explain the Project Life Cycle in details. **07**
- Q.2 (a)** Why team work is important in Project Management? Describe the Five Stage Team Development Model. **07**
(b) Discuss the conditions for Project Closure. **07**
- OR**
- (b)** Explain the types of risks a Project Manager may face while handling a project. **07**
- Q.3 (a)** What is the meaning of Resource Constrained Project? Explain the types of Resource Constraints. **07**
(b) Explain the Top-Down approach for Estimating Project Time and Costs. **07**
- OR**
- Q.3 (a)** Define Project Scope. Discuss about the Project Scope Checklist. **07**
(b) What is WBS? Explain the process of developing WBS. **07**
- Q.4 (a)** Explain the types of Ownership Securities. **07**
(b) Discuss about Project Financing in India and SEBI Guidelines. **07**
- OR**
- Q.4 (a)** Why do firms outsource Project Work? Discuss the advantages and disadvantages of outsourcing the Project Work. **07**
(b) Explain in details the Project Control Process. **07**
- Q.5 (a)** Discuss the qualities of an effective Project Manager. **07**
(b) Write a note on responsibilities of various stakeholders involved in a Project. **07**
- OR**
- Q.5 (a)** Discuss various types of Hybrid Securities. Explain various ways by which Project Financing can be regulated. **07**
(b) Following is the activity and duration details of a construction project. **07**

Activity	Normal Time (Days)
1-2	10
1-3	11
2-4	13
2-6	14

3-4	10
4-5	7
4-6	17
5-7	13
6-7	9
7-8	1

You are required to help the contractor of the construction project with the following:

- i) Draw the network diagram
- ii) Calculate EST, EFT, LST, LFT and slack for each activity
- iii) Find Critical Path
