

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M.B.A.- SEMESTER – IV EXAMINATION – OCTOBER 2012

Subject code: 2840006

Date: 29-10-2012

Subject Name: Project Management (PM)

Time: 2:30 pm – 5:30 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) Every project has a Life cycle. Discuss. Explain the different phases in the life of a project. (07)
- (b) Explain in brief the basic concept of Activity Network. Draw AOA and AON diagrams from the relationship given in the table and explain the Difference between AOA and AON networks (07)

TABLE 1	
Activity	Immediate Predecessor
P	-
Q	P
R	P,Q
S	-
T	P,S

(07)

- Q.2 (a) Describe the basic requirements of a good project plan (07)
- (b) Discuss reasons of Project's failure or success. Comment on Tata Motor's Successful commissioning of 'Nano' Project in Gujarat. (07)

OR

- (b) Define 'Time overrun' and 'Cost overrun'. State the reasons for Time Overruns and Cost overruns. (07)
- Q.3 (a) AXN Engineering wishes to diversify in Entertainment & Leisure industry. The company is requesting you to suggest from amongst the following Project construction alternatives for constructing its 'Holiday Resort'
1. Turn Key project construction
 2. Completely self executed project construction
 3. Self-executed project with several contracts for sub-activities.
- What alternative from above you will recommend? State your reasons in the light of the factors in the choice of the construction alternatives (07)
- (b) What are the issues in the 'Project Organization'? Discuss the Solutions of project organization in the light of types of organization (07)

OR

Q.3 (a) “An abrupt or before-time end is not necessarily an indication of a project’s failure. A successful project too can have a premature end” – Do you agree with the statement? Discuss various types of project termination to explain your view. (07)

(b) What do you understand by Post Completion Audit (PCA)? Discuss human issues in PCA. (07)

Q.4 (a) The following table gives the activities in a Project, and other related information. (Time estimates are in days) (14)

Activity	To	Tm	Tp
(1,2)	19	29	45
(1,3)	8	11	20
(2,3)	2	4	6
(2,4)	1	2	3
(3,4)	1	1	2
(4,5)	11	17	23

(To = Optimistic Time, Tm = Most likely time, Tp = Pessimistic time)

You are required to

1. Draw PERT Diagram
2. Calculate total project duration
3. Mark critical path.
4. Find the probability that project will be completed in 50 days.

OR

Q.4 (a) Explain the Public-Private-Partnership (PPP) concept in infrastructure financing. Also describe various approaches in PPP. (07)

(b) Your friend is wishing to start a Food Processing Unit to cater the needs of Indian as well as ‘Gulf’ market. He requests you to prepare for him a Project Report for obtaining Finance. List the information you must provide in a Project report you will prepare for obtaining finance. (07)

Q.5 (a) Mention advantages and disadvantages of ‘Lease Financing’ in a Project (07)

(b) Discuss the highlights of ‘the Policy for Small Scale Industrial Sector, 1999. (07)

OR

(a) What do you understand by a Hybrid Security? Explain the types of securities which are known as Hybrid Securities. (07)

(b) PERT and CPM are two different techniques used in project execution. Differentiate both the techniques. (07)
