



Name :

Roll No. :

Invigilator's Signature :

**CS/M.Tech(ECE)/SEM-3/MVLSI-381A/2011-12
2011**

PROJECT MANAGEMENT

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP - A

(Objective Type Questions)

Answer any *five* of the following. $5 \times 2 = 10$

1. State whether the following statements are True or False :
 - i) On the critical path of a project the events have zero slack but the activities have positive total float.
 - ii) Fixed costs of production are functions of time.
 - iii) The expenditure for any activity is assumed to be incurred evenly over the duration of the activity.
 - iv) Direct cost of a project activity increases as the project duration increases.
 - v) Delphi method is used for demand forecasting.
 - vi) The computational procedure for Earliest Occurrence Time (EOT) is referred as backward pass.
 - vii) Crashing is used in CPM.
 - viii) Cost of production in project work represents the cost of materials, labour, utilities.



GROUP - B
(Short Answer Type Questions)

Answer any *three* of the following.

3 × 5 = 15

2. Describe three distinct types of project risks.
3. Describe basic differences between PERT and CPM.
4. Describe time estimation procedure of project activities.
5. Explain graphically cost over-run (under-run) and time over-run (under-run) in project implementation phase.
6. Explain early start schedule and late start schedule in project management.

GROUP - C
(Long Answer Type Questions)

Answer any *three* of the following.

3 × 15 = 45

7. Write short notes on the following :
 - a) Activity floats
 - b) Event slacks
 - c) Break-even price.
8. Write short notes on the following :
 - a) Census survey and sample survey
 - b) Work breakdown structure
 - c) Project network.
9. What are the salient features of a project work ? How do project works differ from operational activities ?
10. Discuss the important facets of project analysis.
11. Describe the elementary investment strategies of corporate resources.
12. Elaborate the aspects which must be looked into for preliminary screening of project ideas.