ME - 702 (B)
B.E. VII Semester
Examination, December 2013
Project Management

Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions one from each unit. Assume missing data if any suitable.

Unit I

1. What is Project Management? Explain Project Life Cycle Phases?   14

OR

2. a) Briefly explain work Breakdown structure.   7

   b) For a building site preparation, following activities are to be performed. Determine the precedence relationship and draw the network

      i) Clear the site

      ii) Survey and Layout

      iii) Rough Grade

      iv) Excavate for sewer

      v) Excavate for electrical manholes

      vi) Install sewer   7
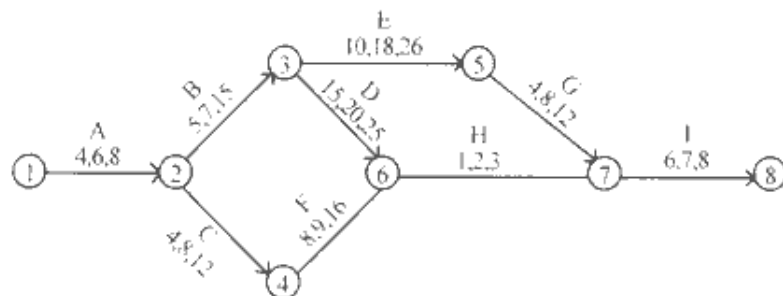
vii) Install electrical manholes

viii) Construct the Boundary wall.

Unit II

3. a) What is Critical Path? How critical path is determined in Network Analysis? 7

   b) Differentiate PERT and CPM Techniques? 7

OR

4.

   i) For the above given Network, determine the critical path and state the expected project completion time.

   ii) Find out the probability of Completion of project in 55 days.

   iii) Determine the variance of project length. 14

Unit III

5. Describe measures for evaluating project performance? Give example? 14

OR

6. Assume a project that has exactly only one task the task is base lined at 8 hours but 11 hours have been spent and an additional 1 hour is estimated for the task completion. Calculate (a) PV (b) AC (c) EV (d) CV (e) SV. Assume on hourly rate of Rs 100/hour. 14

Unit IV

7. Discuss the role of project manager in success of project? Does MBWA helps in successful project execution. 14

OR

8. Discuss Tuckman's five Stage Team Development model? 14

Unit V

9. Explain BCG matrix with suitable example? 14

OR

10. The Initial Outlay of a project is Rs 1,00,000/- and it is predicted to generate cash inflows in consecutive years as follow. 14

YEAR	Inflows
I	40,000
II	30,000
III	50,000
IV	20,000

Find out the NPU of project? Assume discount rate at 15%.