Printed Pages: 3

NME-032/NPL-032

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012232	Roll No.

B.TECH.

Regular Theory Examination (Odd Sem-VII), 2016-17

PROJECT MANAGEMENT

Time : 3 Hours   *Max. Marks : 100*

SECTION-A

Note: **Attempt all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)**

1. a) Name the three stages in Project management.

    b) What are the regulatory measures that have to be followed in set up a project?

    c) What is a Matrix Structure?

    d) Mention the advantage of effective project team.

    e) State the objectives of social cost / benefit analysis.

    f) Name the various kinds of project risk.

    g) What is project planning?

    h) Differentiate between PERT and CPM.

    i) What is project Schedule?

    j) List out four type of project management software.

SECTION - B

Note: **Attempt any 5 questions from this section**
                                                    (5×10=50)

2. Explain in detail the various sources from which a new project ideas are identified.

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NME-032/NPL-032

3. Compare and contrast functional organization structure and the project organization structure with suitable charts.

4. Explain the types of contract in detail.

5. List and explain the components of capital cost.

6. Explain the different method involved in arriving a rough estimate of project cost.

7. Write the importance of project scheduling in brief.

8. List the guidelines for project network construction and support your answer with flowchart.

9. A project consists of 9 activities whose precedence relationship and their estimates are shown in the following table:

Activity	Time Estimates		
	Optimistic	Most Likely	Pessimistic
1-2	3	6	15
1-6	2	5	14
2-3	6	12	30
2-4	2	5	8
3-5	5	11	17
4-5	3	6	15
6-7	3	9	27
5-8	1	4	25
7-8	4	19	22

a) Find the expected duration and variance of each activity.

b) Draw the project network.

c) Find the critical path and corresponding expected project completion time.

NME-032/NPL-032

SECTION-C

Note: Attempt any 2 questions from this section
(2×15=30)

10. a) Discuss some of the commercial factors to be studied for the successfulness of product/service. (8)

b) List the need of computer aided project management and explain usage of spread sheets for financial projections. (7)

11. a) What is critical path? How critical path is determined in network analysis? (10)

b) Name some of the evaluating components of functional organization in project management.(5)

12. Explain taxonomy of projects in detail with classification under different heads.

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