

B.TECH. DEGREE EXAMINATION, MAY 2014**Sixth Semester**

Branch : Mechanical Engineering

ME 010 606-L06—PROJECT MANAGEMENT (Elective I) (ME)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A*Answer all questions.**Each question carries 3 marks.*

1. Define feasibility analysis of a project.
2. How will you carry out financial evaluation of a project ?
3. Detail all the types of risks in investments.
4. Define critical path method.
5. List all the softwares used for project management.



(5 × 3 = 15 marks)

Part B*Answer all questions.**Each question carries 5 marks.*

6. Discuss the features of capital investments.
7. Define economic optimization of projects.
8. Explain all the sources of risk in decision making.
9. What is the significance of tools in scheduling ?
10. Why Economics contribute computer aided project management ?

(5 × 5 = 25 marks)

Part C*Answer all questions.**Each full question carries 12 marks.*

11. Define 7-s of Project management. Discuss the concepts, steps and examples to clarify these elements in Project Management. (12 marks)

Or

Turn over

12. Explain the importance of analysis in a comprehensive project ? What are the steps in cost benefit analysis from a social perspective ?

(12 marks)

13. Discuss the constraints for estimation of total cost of a project. Discuss all the elements of the total costs and investments.

(12 marks)

Or

14. Compare the techniques for evaluation of projects. What are the steps in solution of problems using (a) benefit cost ratio method ; and (b) internal rate of return method ?

(12 marks)

15. With neat sketches, explain the interpretations and analysis of a break even chart. Discuss the limitations of the chart.

(12 marks)

Or

16. Discuss the methods for calculating depreciation. An old car was purchased for Rs. 32,000. Its life was estimated as 10 years and the scrap value as Rs. 18,000. Calculate the depreciation rate.

(12 marks)

17. Explain all the applications of network technique to simple engineering problems. What is the technique of resource smoothing ?

(12 marks)

Or

18. With neat sketches, explain the following :

- (a) Constrained resources for project scheduling.
- (b) Crashing of Projects.

(6 + 6 = 12 marks)

19. Discuss all the aspects of project 2010. Explain all the reports available in project 2010.

(12 marks)

Or

20. Discuss the application of Computer for (a) data processing, and (b) critical path analysis. What are their effects on Project Management ?

(12 marks)

[5 × 12 = 60 marks]

