BT-6/M-24: 46313
OE-CS-AIML-304: Project Management

TIme: 3 hours]   [Max. Marks: 75

Note- Attempt Five questions in all selecting one question from each unit. All Questions carry 15 marks each.

Unit-I

1. Answer the following questions appropriately:

   a. What is software project Management?
   b. Which factor is decided for the success of project.
   c. What are the characteristics which makes software projects different from other projects?
   d. What are the activities covered by SPM?
   e. What are the steps involved in step wise planning?

2. What are the activities involved in project management? Explain how project can be evaluated against strategic, technical and economic criteria? Explain in detail, how cost-benefit evaluation techniques can be used to choose the best among competing project proposals.

Unit-II

3. Explain in brief about the effort and cost Estimation techniques in project Development. Also explain in detail, the Internal Rate of Return (IRR) method for measuring the profitability of a project.

4. Discuss the spiral software development life cycle model with diagrammatic illustration. What are spiral model strengths and deficiencies? Explain in brief Agile Methods.

Unit-III

5. Define risk identification and ranking. Describe how to evaluate the risk involved in a project. What is the significance of project risk matrix give example. Suggest appropriate strategies for minimizing the potential cost.

6. "The objective of software project planning is to provide a framework that enables the manager to make reasonable estimates of: Resources, Cost and Schedule." Elaborate this statement and describe network techniques like Forward pass, Backward Pass and Critical Path Method.

Unit-IV

7. What are the different types of visualizing progress explain in detail? Outline the use of Gantt charts and timeline charts in visualizing project progress with suitable diagrams.

8. Explain Framework for Project Management and control. Also explain the earned value