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I Semester M.C.A. Degree Examination, April/May - 2026**COMPUTER SCIENCE****Software Project Management****(CBCS 2025 Scheme)****Paper : MCA105T****Time : 3 Hours****Maximum Marks : 70****Instructions to Candidates :**

Answer any Five questions from Part - A. Answer any Four full questions from Part-B.

PART - A

Answer any Five questions. Each question carries Six marks. (5×6=30)

1. Define Software Project Management? Explain the importance of project management in software development.
2. Define Work Breakdown Structure (WBS)? Describe effort estimation in software projects.
3. What is project scheduling and Explain scheduling principles in software project management.
4. Differentiate between quality planning, assurance, and control.
5. Explain how monitoring and control decisions impact project outcomes.
6. Define tracking project progress and Explain its importance in Software project Management.
7. Explain hybrid project management models.
8. Explain steps involved in closing a project.

PART - B

Answer any Four full questions. Each question carries Ten marks. (4×10=40)

9. Explain all phases of the Software Project Life Cycle in detail. (10)
10. a) Compare and Discuss CPM and PERT Techniques in Network analysis. (5)
b) Discuss risk identification and assessment strategies in Software project management. (5)

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- 11. a) Discuss outsourcing strategies and their advantages and risks in Software projects. (4)
 - b) Explain Software Configuration Management Process. (6)
 - 12. Explain Communication planning, stakeholder management, leadership styles in Software projects. (10)
 - 13. a) Discuss Git and SVN Software Configuration Management Tools with Features. (5)
 - b) Write short note on Function Point Analysis (FPA) Project Estimation Technique. (5)
 - 14. a) Explain CMMI framework levels. (5)
 - b) Briefly discuss JIRA, Trello Project Management Tools with features. (5)
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