

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***MCA DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025***Second Semester**Master of Computer Applications***MC4001 / PMCE2401 - Software Project Management***Regulations – 2021/2024***Duration : 3 Hrs****Maximum : 100 Marks****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	Define project scope in software project management.	L1	1	2
2.	What is meant by risk identification in software project planning?	L2	1	2
3.	List any two commonly used cost-benefit evaluation techniques.	L1	2	2
4.	What is meant by technical assessment in software project evaluation?	L2	2	2
5.	List any two problems caused by inaccurate effort estimation in software projects.	L1	3	2
6.	What is estimating by analogy in software effort estimation?	L2	3	2
7.	What is the nature of risk in software project management?	L1	4	2
8.	What is meant by a critical path in project scheduling?	L2	4	2
9.	What are the challenges in building global teams for project management?	L1	5	2
10.	List two major differences between dotProject and openProj.	L2	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11. a	Explain in detail the steps involved in software project planning.	L2	1	16
	Or			
b	Discuss in detail the software quality concept with reference to • Definition of software quality • ISO 9126 quality model • External quality standards • How Six Sigma methodology enhances software quality	L2	1	16
12. a	Analyze the role of strategic, technical, and risk evaluation in determining the feasibility of a software project.	L4	2	16
	Or			
b	Analyze the factors that influence the selection of an appropriate	L4	2	16

project development approach.

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| 13. | a | Explain the basis of software effort estimation and describe any four estimation techniques. | L2 | 3 | 16 |
| | | Or | | | |
| | b | Explain the key components involved in activity planning for software projects. | L2 | 3 | 16 |
| 14. | a | Explain the process of managing risk in a software project. | L2 | 4 | 16 |
| | | Or | | | |
| | b | Explain how risk analysis and resource allocation are connected in project management. | L2 | 4 | 16 |
| 15. | a | Analyze the effect of the internet on project management, focusing on the tools and processes used. | L4 | 5 | 16 |
| | | Or | | | |
| | b | Analyze how PRINCE2 methodology applies to managing global projects. | L4 | 5 | 16 |