Register No: _____

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

MCA DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024

Second Semester

Master of Computer Applications

MC4001 – Software Project Management

Regulations - 2021

Duration : 3 Hrs *Maximum : 100 Marks*

PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)

Q.No	Questions	BLT	CO	Marks
1.	Define software quality.	RE	1	2
2.	Recall the four parts of ISO 9126 standards.	RE	1	2
3.	Define cost benefit analysis.	RE	2	2
4.	What is IRR? How is it calculated?	RE	2	2
5.	List the objectives of activity planning.	RE	3	2
6.	Identify the purpose of expert judgment in software estimation technique.	AP	3	2
7.	List the categories of risk.	RE	4	2
8.	Explain risk monitoring in software project management.	UN	4	2
9.	What are the five basic stages in the team development?	RE	5	2
10.	List the issues in managing projects in internet.	RE	5	2

*PART – B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)*

Q.No			*Questions*	*BLT*	*CO*	*Marks*
11.	a		List the key steps to identify the scope and objectives of a project.	AN	1	13
			Or			
	b	i	Explain six sigma with suitable example.	EV	1	7
		ii	Identify the allocation of resources in a software project.	AP	1	6
12.	a		Explain the cost-benefit analysis on an assessment of a project that involves delivering a product as its main goal.	AN	2	13
			Or			
	b		Explain the spiral software process model with situations where the model works best. List the advantages and disadvantages of this model.	UN	2	13
13.	a		Explain software effort estimation and software estimation techniques in detail.	UN	3	13
			Or			
	b		Discus the network model represented by the critical path method network.	UN	3	13

14.	a	Explain in detail about the steps to be followed to reduce risk in software project management.	UN	4	13
		Or			
	b	Examine cost monitoring. Justify that increase in the number of critical paths would increase the cost estimation of a project.	AN	4	13
15.	a	Explain the challenges of global software project development teams.	AN	5	13
		Or			
	b	Explain SPM tool and compare the dot and bunch pad software project management tool.	AN	5	13

*PART – C (Marks 1*15 = 15)*

Q.No		*Questions*	*BLT*	*CO*	*Marks*
16.	a	Discover the importance of three dimensions and factors of software quality and its types in software project management.	AN	1	15
		Or			
	b	Explain PRINCE2 in software project management.	AN	5	15