PRN:		Course Code:	PCA203

First Year **MCA** End Semester Examination Winter 2024

Software Project Management

000391

Day and Date: Thu 21 Nov 2024 Max Marks: **100**

Time : 02:00PM To 05:00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain Software Project Management. Identify needs and scope	08	L2	1
	b)	Describe Software Project Planning.	08	L2	2
		OR			
	b)	Describe project estimation. What are methods of project estimation?	08	L3	1
Q.2		**Attempt the following**			
	a)	Discuss Project Life Cycle.	08	L2	2
	b)	Discuss work break down structure (WBS) with their types and explain its advantages.	08	L3	2
		OR			
	b)	Explain Network diagram and CPM.	08	L3	2
Q.3		**Attempt any two from the following**			
	a)	What is mean by Monitoring & Controlling Project? Explain Eleven Process groups involved in it.	08	L2	2
	b)	Discuss Earned Value Analysis with graph cumulative cost vs. time also explains the following terms. a) Budgeted cost of Work Scheduled (BCWS) i.e. Planned Value (PV). b) Budgeted cost of work performed (BCWP) i.e. Earned Value (EV). c) Actual cost of work performed (ACWS) i.e. Actual Cost(AC). d) Schedule Variance (SV), Cost Variance (CV)	08	L5	4
	c)	Explain Reviews and their types	08	L5	4
Q.4		**Attempt any two from the following**			
	a)	Describe software quality assurance and testing.	08	L3	3
	b)	Discuss software testing with their types and levels of testing.	08	L3	3
	c)	Explain SQA Activities and formal SQA approaches.	08	L2	3
Q.5		**Attempt any Two of the following**			
	a)	Describe software configuration management.	09	L4	3
	b)	Discuss Control and Change Request management	09	L4	3
	c)	Discuss Risk Break down Structure.	09	L4	3
Q.6		**Attempt any Two of the following**			
	a)	Describe tools of Software Project Management.	09	L4	4
	b)	Elaborate Cost Benefit analysis.	09	L2	3
	c)	Describe Project closeout in detail.	09	L4	3

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