PRN:		Course Code :	MCA107

Second Year **MCA** End Semester Examination Summer 2024

SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

Day and Date: 31 MAY 2024, Friday — Max Marks :- **100**

Time : 10:30AM To 01.30PM — Duration :- **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain RAD with a suitable diagram.	08	L2	C01
	b)	Illustrate the prototyping Model with its advantages and disadvantages.	08	L2	C01
	OR				
	b)	Explain incremental model with suitable diagram.	08	L2	C01
Q.2		**Attempt the following**			
	a)	What is SRS? Write the characteristics of SRS?	08	L2	C02
	b)	Describe requirement engineering process.	08	L2	C02
	OR				
	b)	What is requirement validation? Write software requirement validation techniques.	08	L2	C03
Q.3		**Attempt any two from the following**			
	a)	What is mean by project scheduling? Write its basic principles.	08	L2	C03
	b)	What are the roles and responsibilities of a software project manager?	08	L1	C01
	c)	Explain software risk and risk identification.	08	L2	C03
Q.4		**Attempt any two from the following**			
	a)	Distinguish between functional oriented and object oriented design.	08	L4	C03
	b)	Utilized the software metrics and its types.	08	L3	C02
	c)	What is system design? Explain its types.	08	L2	C04
Q.5		**Attempt any Two of the following**			
	a)	What do you mean by white box testing? Write difference between white box testing and black box testing.	09	L4	C03
	b)	Distinguish between verification and validation.	09	L4	C03
	c)	Explain integration testing in detail.	09	L2	C04
Q.6		**Attempt any Two of the following**			
	a)	Explain ISO 9000.	09	L2	C04
	b)	Utilized the Capability Maturity Model.	09	L1	C03
	c)	Explain Agile software development process.	09	L2	C01

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