PRN:		Course Code :	UAM303

Second Year **B. Tech** End Semester Examination Summer 2024

Software Engineering

Day and Date: 27 MAY 2024, Monday Max Marks: **100**

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

Instructions: All questions are compulsory.

Q.1		**Attempt the following**	Marks	Bloom's Level	CO
	a)	Elaborate Software Engineering Challenges & Software Engineering Approach	08	VI	CO1
	b)	Extend Software Process. Explain Project Management Process, Inspection Process	08	II	CO4
		OR			
	b)	What is Software Configuration Management Process and Requirement Change Management Process	08	I	CO3
Q.2		**Attempt the following**			
	a)	Discover the terms SDLC by considering the example of SGU management System	08	IV	CO3
	b)	Determine the things of Spiral Modal & Incremental Model with diagram	08	V	CO4
		OR			
	b)	Select Waterfall Model and Prototyping Model	08	III	CO2
Q.3		**Attempt any two from the following**			
	a)	Explain SRS. Explain Components of SRS in brief	08	V	CO3
	b)	Choose and simplify requirement process & characteristics of SRS	08	III	
	c)	Illustrate Specification Language. Structure of a requirement document & requirement validation.	08	II	CO2
Q.4		**Attempt any two from the following**			
	a)	Examine role of Software Architecture , architecture views	08	IV	CO3
	b)	Define function oriented design with OO concept in detail	08	I	CO2
	c)	Summarize Object oriented design principles	08	II	CO1
Q.5		**Attempt any Two of the following**			
	a)	Discuss Programming Principles and guidelines. Explain coding errors	09	VI	CO4
	b)	Solve the terms Structural programming, information hiding and programming practices	09	III	CO2
	c)	Explain Incremental coding and test driven development	09	V	CO1
Q.6		**Attempt any Two of the following**			
	a)	Construct example and explain what is Testing with types of testing	09	III	CO4
	b)	What is Black box testing & White box testing	09	V	CO1
	c)	Recall the concept Integration testing, System testing	09	VI	CO3

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