PRN:		Course Code :	UCS303

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.

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Q.1		**Attempt the following**			
	a)	Define Software engineering and describe its challenges in brief	08	L1	CO2
	b)	Write short note on 1) Software Configuration Management Process (SCM) 2) Requirement Change Management Process (RCM)	08	L2	CO1
		OR			
	b)	Describe Project Management Process in brief.	08	L2	CO1
Q.2		**Attempt the following**			
	a)	Describe SDLC life cycle with neat diagram and explain its all phases	08	L1	CO2
	b)	Illustrate Iterative Model with neat diagram.	08	L2	CO1
		OR			
	b)	Explain Time Box model with example in brief.	08	L2	CO2
Q.3		**Attempt any two from the following**			
	a)	Define SRS and describe characteristic of good Software Requirement Specification (SRS) Document	08	L1	CO3
	b)	Create a high-level outline for an SRS document for Library Management System.	08	L3	CO3
	c)	Illustrate Components of SRS in brief.	08	L2	CO3
Q.4		**Attempt any two from the following**			
	a)	Describe principles of Software Design.	08	L2	CO1
	b)	Demonstrate the concept of Function oriented Design	08	L3	CO4
	c)	Differentiate Cohesion and coupling.	08	L4	CO4
Q.5		**Attempt any Two of the following**			
	a)	Illustrate Programming Principles and main goals of coding	09	L3	CO1
	b)	Describe structured programming and its rule.	09	L1	CO4
	c)	Explain characteristic of programming Language.	09	L4	CO1
Q.6		**Attempt any Two of the following**			
	a)	Illustrate the concept of Software Testing and explain its importance	09	L3	CO1
	b)	Differentiate White Box Testing, Black Box Testing.	09	L2	CO4
	c)	Explain Integration Testing with its type.	09	L4	CO3

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