Code No: P21ITT03

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 2023
SOFTWARE ENGINEERING
(Common to IT,AIDS,AIML Branches)

Time: 3 hours   Max. Marks: 70

Answer all the questions from each UNIT (5X14=70M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
1.	a)	Define Software Engineering? Explain various software myths in brief.	[7M]	1	
	b)	How do you visualize the software process framework? Describe the umbrella activities in software processes?	[7M]	1	
		OR			
2.	a)	Discuss about RAD model. What are the draw backs of RAD model?	[7M]	1	
	b)	Explain the need of Software Quality Framework. Describe the different levels in CMMI Model?	[7M]	1	
		UNIT-II			
3.	a)	Discuss in detail the user requirements.	[7M]	2	
	b)	What is requirements elicitation? What makes the elicitation process difficult? Explain	[7M]	2	
		OR			
4.	a)	Explain the goals of requirements engineering process.	[7M]	2	
	b)	What do you mean by functional requirements? Describe the functional requirements of ATM application.	[7M]	2	
		UNIT-III			
5.		Explain in detail about various architectural styles and patterns with neat diagrams	[14M]	3	
		OR			
6.	a)	Discuss about different UML diagrams.	[7M]	3	
	b)	What is design engineering? Describe design concepts in brief.	[7M]	3	
		UNIT-IV			
7.	a)	Distinguish between black box & white box testing.	[7M]	4	
	b)	Describe the testing strategy for conventional software with neat diagram.	[7M]	4	
		OR			
8.	a)	Explain the various software size estimation metrics in brief.	[7M]	4	
	b)	What is Software Quality? Explain with examples	[7M]	4	
		UNIT-V			
9.	a)	Discuss in detail about RMMM	[7M]	5	
	b)	Explain about software quality assurance.	[7M]	5	
		OR			
10.	a)	Explain about risk identification and risk refinement.	[7M]	5	
	b)	Describe software reviews in brief.	[7M]	5	

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