

PRAGATI ENGINEERING COLLEGE: SURAMPALEM
(AUTONOMOUS)
III B.Tech I Semester Supplementary Examinations, May - 2024
SOFTWARE ENGINEERING
(Common to CSE (AIML), CSE(AI) and CSE (DS))

Time: 3 hours

Max. Marks: 70 M

Answer ONE Question from each Unit
All Questions Carry Equal Marks

Q. No.		Questions	BTL	CO	Marks
UNIT – I					
1.	a)	Compare and contrast waterfall model and spiral model.	K1	CO1	7M
	b)	Define process model. What are evolutionary process models? Explain in detail.	K1	CO1	7M
2.	a)	What are software myths? Explain in detail.	K1	CO1	7M
	b)	Define software engineering. Explain about process patterns.	K3	CO1	7M
UNIT – II					
3.	a)	Define agility and agile team with different Characteristics of Agility.	K2	CO2	7M
	b)	How Extreme Programming used in a Nutshell.	K2	CO2	7M
4.	a)	Explain briefly the requirement engineering process with neat sketch and describe each process with an example	K3	CO2	7M
	b)	Distinguish between negotiating and validating Requirements?	K2	CO2	7M
UNIT – III					
5.	a)	Explain the use of UML for object-oriented design.	K3	CO3	7M
	b)	Explain briefly about Flow Oriented Modeling.	K3	CO3	7M
6.	a)	Demonstrate the steps performed by analyst in creating a behavioral model.	K2	CO3	7M
	b)	Explain in detail Requirements Modeling for WebApps.	K3	CO3	7M
UNIT – IV					
7.	a)	Explain the design process in software engineering and its levels.	K2	CO4	7M
	b)	Describe in detail about to design a traditional components.	K2	CO4	7M
8.	a)	What are architectural styles and patterns? Describe some common architectural styles and patterns used in software development.	K2	CO4	7M
	b)	Compare and contrast the design steps for transaction mapping and steps for transform mapping.	K3	CO4	7M
UNIT – V					
9.	a)	Describe golden rules for interface design.	K2	CO5	7M
	b)	What is unit testing? Why is it important? Explain the unit test consideration and test procedure.	K2	CO5	7M
10.	a)	Demonstrate about Test Strategies for WebApps.	K2	CO5	7M
	b)	Explain Integration & debugging activities.	K3	CO5	7M