

PRAGATI ENGINEERING COLLEGE: SURAMPALEM
(AUTONOMOUS)

II B.Tech I Semester Supplementary Examinations, June- 2024

SOFTWARE ENGINEERING
(IT)

Time: 3 hours

Max. Marks: 70

Answer ONE Question from each Unit

All Questions Carry Equal Marks

Q. No.	Questions	BTL	CO	Marks
UNIT – I				
1.	a) Illustrate Generic Software process model.	K1	CO1	7M
	b) Write the characteristics of WebApps.	K2	CO1	7M
OR				
2.	a) Illustrate Unified Process in software development.	K3	CO1	7M
	b) What are software myths, and how do they affect the perception of software engineering?	K2	CO1	7M
UNIT – II				
3.	a) Describe the Extreme Programming (XP) methodology and its key features.	K2	CO2	7M
	b) What is the role of requirements engineering in Agile methodologies?	K2	CO2	7M
OR				
4.	a) Write elicitation and validation of requirements of agile process model.	K2	CO2	7M
	b) Explain the concept of 'Agility and the Cost of Change' in software development.	K2	CO2	7M
UNIT – III				
5.	a) Define UML models and their role in supplementing use cases.	K1	CO3	7M
	b) What are the key strategies used in requirements modeling for WebApps?	K2	CO3	7M
OR				
6.	a) Discuss the importance of class-based modeling in requirements analysis.	K2	CO3	7M
	b) Explain the concept of creating a behavioral model in software engineering.	K2	CO3	7M
UNIT – IV				
7.	a) Discuss the relationship between design concepts and the software design model.	K2	CO4	7M
	b) Explain the role of architectural styles in software architecture.	K2	CO4	7M
OR				
8.	a) Describe the process of component-level design for WebApps.	K2	CO4	7M
	b) What is component-based development and its significance in software engineering?	K2	CO4	7M

	UNIT – V				
9.	a)	Discuss the 'Golden Rules' of user interface design and their application in WebApp design.	K2	CO5	7M
	b)	Explain the strategic issues in software testing for conventional software.	K2	CO5	7M
	OR				
10.	a)	Explain about Unit testing in-detail.	K2	CO5	7M
	b)	What is white-box testing and black-box testing?	K2	CO5	7M