R20

II B. Tech I Semester Regular Examinations, Feb/March - 2022
SOFTWARE ENGINEERING
(Computer Science & Engineering)

Time: 3 hours   Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks
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1	a)	Explain waterfall process model with merits and demerits.	[7M]
	b)	Define software. Describe the nature of the software and software process.	[7M]

Or

2	a)	What are software myths? Explain in details.	[7M]
	b)	Describe the unique nature of WebApps. What is the role of unitied process in it?	[7M]

3	a)	What are elements of the requirements model? Explain.	[7M]
	b)	What are modeling principles? How do they guide each frame work activity? Discuss.	[7M]

Or

4	a)	Explain about extreme programming debate.	[7M]
	b)	How to negotiate and validate requirements? Explain.	[7M]

5	a)	Explain about class-responsibility-collaborator modeling.	[7M]
	b)	What are state representations? Explain With data modeling concepts.	[7M]

Or

6	a)	Briefly explain about scenario-based modeling.	[7M]
	b)	Describe configuration models for WebApps and navigation modeling.	[7M]

7	a)	Explain about assessing alternative architectural designs.	[7M]
	b)	Describe component-level design for WebApps.	[7M]

Or

8	a)	Discuss about architectural descriptions and decisions.	[7M]
	b)	What are interface design elements? With component based development.	[7M]

9	a)	Discuss about various types of system testing and testing strategies of object – oriented software.	[7M]
	b)	Describe interface design principles and guidelines of WebApps.	[7M]

Or

10	a)	What are elements of SQA? Explain in detail.	[7M]
	b)	Describe test strategies for WebApp software and the art of debugging in detail.	[7M]