GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER III- EXAMINATION –WINTER-2025

Subject Code: 639403   **Date: 18/11/2025**
Subject Name: Software Engineering
Time:10:30 AM TO 01:00 PM   **Total Marks: 70**
Instructions:

    1. Attempt all questions.
    2. Make Suitable assumptions wherever necessary.
    3. Figures to the right indicate full marks.
    4. Use of simple calculators and non-programmable scientific calculators are permitted.

Q.1	**(a)**	Discuss reuse oriented software engineering.	**07**
	(b)	Explain elicitation of requirements.	**04**
	(c)	Discuss Modularity with reference to software development.	**03**
Q.2	**(a)**	Explain multiplicity.	**04**
	(b)	Explain dependency.	**03**
	(c)	Discuss flow oriented modeling.	**07**
		OR	
	(c)	Discuss the golden rules for UI Design.	**07**
Q.3	**(a)**	Write short note on Software specifications.	**07**
	(b)	Explain elements of Requirements model.	**07**
		OR	
Q.3	**(a)**	Discuss Architectural Patterns.	**07**
	(b)	Explain interface design elements.	**07**
Q.4	**(a)**	Explain activity diagram with example.	**07**
	(b)	Explain waterfall model in detail.	**07**
		OR	
Q.4	**(a)**	Explain task analysis and modeling.	**07**
	(b)	Explain spiral model.	**07**
Q.5	**(a)**	Discuss service oriented architecture.	**07**
	(b)	Explain Scrum and Sprint.	**07**
		OR	
Q.5	**(a)**	Discuss analysis of display content.	**07**
	(b)	Explain extreme programming.	**07**

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