GUJARAT TECHNOLOGICAL UNIVERSITY
M.SC (CS)- INTEGRATED– SEMESTER V- EXAMINATION –WINTER-2023

Subject Code:1350301   **Date: 01/12/2023**
Subject Name: Software Engineering
Time: 02:30 PM TO 05:00 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 the need of software process models.	**03**
	(b)	Explain project metrics.	**04**
	(c)	Explain Linear Sequential Model.	**07**
Q.2	**(a)**	Discuss Risk Identification.	**03**
	(b)	Explain Reengineering.	**04**
	(c)	Discuss quality concepts for software.	**07**
		OR	
	(c)	Explain six sigma.	**07**
Q.3	**(a)**	Discuss Risk Projection.	**03**
	(b)	Explain Requirement Elicitation.	**04**
	(c)	Explain the RAD Model.	**07**
		OR	
Q.3	**(a)**	Discuss Requirement Validation.	**03**
	(b)	Explain product and process.	**04**
	(c)	Explain Architectural design elements.	**07**
Q.4	**(a)**	Discuss Risk mitigation.	**03**
	(b)	Discuss the golden rules for UI Design.	**04**
	(c)	Discuss emerging trends in Software Engineering.	**07**
		OR	
Q.4	**(a)**	Explain component based software engineering.	**03**
	(b)	Explain Project Scheduling.	**04**
	(c)	Explain Agile methods and development process.	**07**
Q.5	**(a)**	Discuss Risk Refinement.	**03**
	(b)	Explain Quality Assurance.	**04**
	(c)	Explain elements of Requirements model.	**07**
		OR	
Q.5	**(a)**	Explain Web Engineering.	**03**
	(b)	Explain Project Tracking.	**04**
	(c)	Discuss Software Reliability.	**07**