GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC- SEMESTER–II EXAMINATION – WINTER 2025

Subject Code:21120202   **Date:29-11-2025**

Subject Name: Software Engineering

Time:02:30 PM to 04:30 PM   **Total Marks:50**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Simple and non-programmable scientific calculators are allowed.**

			Marks
Q.1	(a)	Explain Prototype Process Model.	05
	(b)	Write a note on Software development life cycle.	05
Q.2	(a)	Explain project management and W^5HHH principle.	05
	(b)	Enlist characteristics of SRS. Write SRS for the college management system.	05
		OR	
	(b)	Draw Use Case diagram for Hotel Management System.	05
Q.3	(a)	Explain different design concepts.	05
	(b)	What is coupling? Explain different types of coupling.	05
		OR	
Q.3	(a)	State various design principles.	05
	(b)	What is Cohesion? Explain different types of cohesion.	05
Q.4	(a)	Define Software Quality. Explain Software Quality Assurance techniques.	05
	(b)	Explain testing strategies in detail.	05
		OR	
Q.4	(a)	Write a short note on Software Reliability.	05
	(b)	Write a short note on Unit Testing.	05
Q.5	(a)	Write a short note on Reverse Engineering.	05
	(b)	Explain CASE tools and its importance in software engineering.	05
		OR	
Q.5	(a)	Write a short note on Software Re-engineering.	05
	(b)	Explain an integrated CASE environment.	05

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