Enrollment No./Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Bachelor of Vocation - SEMESTER - IV EXAMINATION - WINTER 2025

Subject Code: 21140201   **Date: 12-11-2025**

Subject Name: Software Testing and Project Management

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. Use of simple calculators and non-programmable scientific calculators are permitted.

			Marks
Q.1	**(a)**	Explain principles of testing.	**05**
	(b)	Explain boundary value analysis testing with an example.	**05**
Q.2	**(a)**	Explain scenario testing with an example.	**05**
	(b)	Discuss system testing with an example.	**05**
		OR	
	(b)	Differentiate functional and non-functional testing.	**05**
Q.3	**(a)**	Differentiate pair testing and buddy testing.	**05**
	(b)	Describe regression testing process with its benefits.	**05**
		OR	
	(a)	Differentiate agile testing and extreme testing.	**05**
	(b)	What are the different object-oriented concepts? Explain object-oriented testing with an example.	**05**
Q.4	**(a)**	Explain various issues in project management.	**05**
	(b)	Create SRS for "Hotel Management System".	**05**
		OR	
	(a)	Explain project management framework.	**05**
	(b)	State Functional and Non-Functional Requirements for "Library Management System".	**05**
Q.5	**(a)**	Explain COCOMO Model in detail.	**05**
	(b)	Write a short note on PERT.	**05**
		OR	
	(a)	Explain Gantt Chart in detail.	**05**
	(b)	Write a short note on CPM.	**05**

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