GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC - SEMESTER– IV EXAMINATION – SUMMER 2024

Subject Code: 21140201   **Date:15-05-2024**

Subject Name: Software Testing and Project Management

Time:10:30 AM TO 12:30 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)**	Draw and explain V-model for testing and development phases.	**05**
	(b)	Define software Quality. List and explain FIVE views of quality.	**05**
Q.2	**(a)**	Explain Positive Testing and Negative Testing in detail.	**05**
	(b)	Differentiate top-down and bottom-up approaches of integration testing.	**05**
		OR	
	(b)	Give the difference between functional testing and non-functional testing.	**05**
Q.3	**(a)**	Explain Integration Testing with its types.	**05**
	(b)	Write a short note on Performance Testing.	**05**
		OR	
Q.3	**(a)**	Explain WinRuuner Software Testing Tool.	**05**
	(b)	Explain different techniques of Object-Oriented Testing.	**05**
Q.4	**(a)**	Write a short note on Regression Testing.	**05**
	(b)	Explain various communication techniques.	**05**
		OR	
Q.4	**(a)**	What are the principles of agile testing? Explain different strategies of agile testing.	**05**
	(b)	Explain scope management process in detail.	**05**
Q.5	**(a)**	Explain network scheduling techniques (PERT, CPM) in detail.	**05**
	(b)	Create SRS for Library Management System.	**05**
		OR	
Q.5	**(a)**	Explain Delphi Method in detail.	**05**
	(b)	Create Gantt Chart for Project Management System.	**05**

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