

CBCS SCHEME

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Sixth Semester B.E. Degree Examination, July/August 2022 **Software Testing**

Time: 3 hrs.	*		Max. Marks: 100
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Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Module-1					
1	a.		Test case				
		vi) Incident and draw the flow diagram of a testing life cycle.	(10 Marks)				
	b.	Explain about functional and structural testing.	(10 Marks)				
		OR					
2	2 a. Explain the error and fault taxonomies and JEEE standard anomaly resolution process. (10 Mar						
	b.	State the triangle problem with all its conditions, explain the traditional implement					
	0.		(10 Marks)				
		Module-2					
3	a.	Explain the format of decision table. Build decision table for simple version	_				
	1	problem.	(10 Marks)				
	b.	With examples, explain boundary value analysis with respect to i) Generalizing value ii) Limitations of boundary value.	(10 Marks)				
			(10 Maiks)				
4	a.	OR Explain Robustness testing, worst case testing and equivalences testing analysis.	(10 Marks)				
7	b.	Explain the weak normal and strong robust equivalence class testing with next da					
		as an example.	(10 Marks)				
		Module-3					
5	a.	Write a note on: i) Statement testing ii) Branch testing.	(10 Marks)				
	b.	What is DD-path? Explain basis path testing with suitable example.	(10 Marks)				
		OR					
6	a.	What is the use of data flow testing? List and define various terms in define use te	sting. (10 Marks)				
	b.	Explain Scaffolding. Differentiate between generic and specific scaffolding.	(10 Marks)				
	υ.	Module-4					
7	a.	Explain test oracles and self chart as oracle in detail.	(10 Marks)				
		Explain the following principles:					
		i) Sensitivity ii) Redundancy iii) Partition iv) Visibility v) Feedback.	(10 Marks)				
		OR					
8	a.	List and explain risks in process and quality management.	(10 Marks)				
	b.	List and explain dependability properties with example.	(10 Marks)				
	1946-	Module-5 Explain call graph based integration testing.	(10 Marks)				
9	2	Explain call graph based integration testing	(III Warks)				
	a. b.	Explain: i) Acceptance testing ii) Usability testing.	(10 Marks)				

Explain decomposition based integration testing. (10 Marks) Explain the context diagram of SATM system. (10 Marks)

OR