## Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

## Sixth Semester B.E. Degree Examination, Dec.2023/Jan.2024 **Software Testing**

A.	ime: 3	Max. 1	Marks:100
7	Voto	Answer any FIVE full questions, selecting atleast TWO questions from	each part.
1	Note:	Answer any 111 E jun questions, selecting alleust 1110 questions j. o	ewen p
		. PART – A	
			(00 %// 1 )
1		Explain the two fundamental approaches used to identify test cases.	(08 Marks)
	b.	Define the terms: i) Error ii) Fault iii) Failure iv) Incident v) Test case.	(05 Marks)
	C.	Write Pseudo-code for Commission problem?	(07 Marks)
2	a.	Explain i) Robustness Testing ii) Worst Case Testing.	(10 Marks)
	b.	Explain the need of Equivalence class testing and its four different types of	Equivalence
		class testing.	(10 Marks)
			é
3	a.	Explain different Test Case coverage metrics.	(08 Marks)
	b.	Explain different define/use testing definitions.	(10 Marks)
	C.	Draw diagram for Data flow coverage metrics of Rapps/Weyuker.	(02 Marks)
			(40.3% 1-)
4	-	Explain Alternative Life - Cycle models	(10 Marks)
	b.	Explain Decomposition - Based Integration.	(10 Marks)
		PART - B	
		<u>IANI - B</u>	
5	<b>a</b> .	Explain Structured Strategies for Thread Testing.	(10 Marks)
J	b.	Explain Static Interaction in Single and Multiple processors.	(10 Marks)
	0.	Zipiam siani	
6	a.	Explain: i) Degrees of freedom ii) Sensitivity iii) Redundancy iv) Restriction	v) Partition.
			(10 Marks)
	b.	With a neat diagram, explain the Validation and Verification activities check	work product
		against actual user requirements.	(10 Marks)
			(05 Mayles)
7	-0.0	Explain Fault based adequacy criteria.	(05 Marks)
	b.	Explain Self-checks as Oracles.	(05 Marks)
	C.		(10 Marks)
		i) From test case specification to test cases ii) Scaffolding.	(10 11181110)
8	***	the section of Colors	
	{ \λ/r	ire a snort note on	
o	Wr a.	ite a short note on :  Quality and Process.	

## BANGALORE - 560 037

Risk Planning.

Test and Analysis Reports.

(20 Marks)