

18MCA351

Third Semester MCA Degree Examination, Jan./Feb. 2023 **Software Testing**

LORE Max. Marks: 100 Time: 3 hrs.

Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Module-1	
1	a.	What is software quality? Explain software quality with quality attributes.	(10 Marks)
1	b.	Explain errors, faults and failures in the process of programming and testing	with a neat
	0.	diagram.	(10 Marks)
		ting. time	
		OR	
2	a.	Discuss different types of testing metrics.	(10 Marks)
	b.	Explain different steps of testing and debugging.	(10 Marks)
		Module-2	
3	a.	Explain typical testing life cycle with an illustration.	(10 Marks)
	b.	Describe SATM screen with problem statement.	(10 Marks)
		OR	(10 3/1 - 1)
4	a.	State and explain data flow diagram for triangle problem.	(10 Marks)
	b.	Explain program behaviour and tested behavior with Venn diagram.	(10 Marks)
		Module-3	(10 Marks)
5	a.	Explain Boundary value analysis with example.	(10 Marks)
	b.	Write briefly about equivalence class test for next date function.	(101/14115)
		OP	
,		What is equivalence class test, what are the different forms of equivalence class	testing?
6	a.	what is equivalence class test, what are the different forms of equivalence	(10 Marks)
	b.	Explain decision table for triangle problem.	(10 Marks)
	D.	Explain acciding the second succession was a second succession where second succession is a second succession while second succession while second succession will be second succession while second succession with the second succession while second succession will be second succession while second succession with the second succession while second succession will be second succession with the second succession with the second succession will be second suc	
		Module-4	
7	a.	Explain DD path for triangle problem.	(10 Marks)
,	b.	0 11 1 : 00 1 :11	(10 Marks)
		OR	(10.3%)
8	a.		(10 Marks)
	b.		(10 Marks)
		Y	

Module-5

0	0	Explain mutation analysis and faults based adequacy criteria.	(10 Marks)
9	a.	Explain matation analysis and market in	(10 Marks)
	h	Illustrate analysis and test plan.	(10 Marks)

OR

10	0	Briefly explain in brief scaffolding with proper steps.	(10 Marks)
10	a.	Bliefly explain in other state terms	(10 Marks)
	h	Explain test oracles with a neat diagram and steps.	(10 Marks)
	0.	2p	