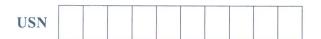
(06 Marks)

(08 Marks)

(06 Marks)

8

a.



Sixth Semester B.E. Degree Examination, June/July 2019 Software Testing

Time: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

at least TWO questions from each part.				
PART - A				
1	a.	Explain error, faults and failures in the process of programming and testing with a flow		
		diagram.	(04 Marks)	
	b.	Draw the data flow diagram for a structured triangle program implementation		
		pseudo code to solve the triangle problem defined as followed: Accept three integrated in the solve the triangle problem defined as followed:		
		are supposed to be three sides of a triangle and determine if the three values represent an		
		equilateral triangle, isosceles triangle, scalene triangle, or they do not form a triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, or they do not form a triangle, scalene triangle, scalen		
		Assume that upper limit for the size of any side in 20.	(08 Marks)	
	C.	Explain the SATM problem statement and SATM screens.	(08 Marks)	
2	a.	Derive boundary analysis test cases for commission problem.	(08 Marks)	
	b.	Specify the conditions and derive test cases for neat data function program (third	try) using	
		decision table method, make necessary assumptions.	(12 Marks)	
3	a. Justify strongly connected graph is the number of linearly independent circuits in the graph			
5	a.	using cyclomatic complexity metric.	(08 Marks)	
	b.	Explain Rapps/Weyuker hierarchy of data flow coverage metrics.	(06 Marks)	
	C.	Explain style and technique to find slice of program.	(06 Marks)	
4	a.	With neat diagram, explain the traditional view of testing levels of waterfall life cycle.		
	1	What is decomposition based integration? Define the different types of decomposition	(08 Marks)	
	b.	What is decomposition based integration? Define the different types of decomposition integration.		
		integration.	(12 Marks)	
$\underline{PART} - \underline{B}$				
5	a.	Explain basic concepts for requirement specification with E - R model and		
		relationship among basic constructs.	(10 Marks)	
	b.	Define taxonomy of interactions. Explain static interactions in single processor		
		processor.	(10 Marks)	
6	a.	With a neat diagram, explain the relation of verification and validation activities w	ith respect	
		to artifact produced in software development project.	(08 Marks)	
	b.	List he six principles that characterize various approaches and technique for an	alysis and	
		testing Explain any three in detail.	(07 Marks)	
	C.	Briefly discuss the dependability properties in process framework.	(05 Marks)	
7	a.	Explain the fault-based adequacy criteria in detail.	(06 Marks)	
	b.	Define scaffolding. Distinguish between Generic versus specific scaffolding.	(08 Marks)	
	C.	Describe the test oracle with a neat diagram.	(06 Marks)	

c. Describe organizing documents in detail.

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Briefly explain Quality and process.

Explain Clean – room process, with neat diagram.