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USN		19CS842		
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Eighth Semester B.E. Degree Examination, Dec.2017/Jan.2018				
Software Testing				
	(1)			
Time	e: 3 hrs. Max.	Marks:100		
	\(\frac{1}{2}\)			
Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.				
1100				
	PART - A			
1	a. What is Software testing? Explain the process involved in SDLC.	(07 Marks)		
•	Dicc which between block box testing and white box testing.	(05 Marks)		
	c. With a neat diagram, explain the SATM (Simple Automated Teller Machine)	(08 Marks)		
		(00 Marks)		
	Control triangle problem i	t accents three		
2	a. Explain decision tables. Construct decision table of the triangle problem, i	t a triangle and		
	a. Explain decision tables. Construct decision tables. Scalene, Isosceles or no integers a, b, and c as 3 sides inputs: Equilateral, Scalene, Isosceles or no integers a, b, and c as 3 sides inputs:	(08 Marks)		
	satisfy the following conditions $a < b + c$ , $b < a + c$ and $c < a + b$ .	(04 Marks)		
	b. Explain Random testing with an example.  Week Normal/Equivalence class testing ii)	Strong Normal		
	c. Briefly explain 1) weak Norman Least testing	iv) Strong		
	Edulatione of the S	(08 Marks)		
	Robust Equivalence class testing.			
		(08 Marks)		
3	a. Explain Metric based testing.	(08 Marks)		
	<ul> <li>a. Explain Metric based testing.</li> <li>b. Explain Slice – based testing guidelines and observations in detail.</li> </ul>	(04 Marks)		
	c. Write a short note on define/use testing.			
	I Double un Integration strategies	(06 Marks)		
4	a. Describe Top – down and Bottom – up Integration strategies.			
	b. Explain call graph based integration with the help of:  Neighbourhood Integration	(06 Marks)		
	i) Pairwise Integration ii) Neighbourhood Integration	(04 Marks)		
	c. Explain the decomposition based integration with an example.	(04 Marks)		
	d. Define Regression and Progression testing.			

5	Define the below terms: i) Threads ii) MM – path iii) v) Ports Explain different types of interactions with example.	Data iv) Action (10 Marks) (10 Marks)
	Velidation and Vertification and their differences.	(10 Marks)

a. Explain in detail, Validation and Vertification and their differences.

b. Explain the dependability properties.

Explain the dependability properties.List the goals of Quality process.

7 a. Explain fault-based testing terminologies.

b. Describe the test oracles with a neat diagram.c. What is Scaffolding? What purposes it serves? Explain with an example.

8 a. Explain Risk Management in the quality plan.b. Give the standard structure of an analysis and test plan.

(06 Marks) (04 Marks)

(06 Warks) (08 Marks)

(10 Marks)

(06 Marks)

(10 Marks)