## Eighth Semester B.E. Degree Examination, Dec.2017/Jan.2018 Software Testing

	11		V (V)	
Γim	e: 3 hrs.		Max. Marks:100	
No	te: Answer an	FIVE full questions, selecting atleast TWO ques	tions from each part.	
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_	WH C .	PART – A	(07 Marks)	
	a. What is Sof	tware testing? Explain the process involved in SDLC.	(05 Marks)	
	b. Differentiate	. Differentiate between black box testing and white box testing. (05 Mark . With a neat diagram, explain the SATM (Simple Automated Teller Machine) system.		
	c. with a neat	diagram, explain the SATW (Simple Automated Fener	(08 Marks)	
2	a. Explain dec	cision tables. Construct decision table of the triangle p	problem, it accepts three	
	integers a, b	, and c as 3 sides inputs: Equilateral, Scalene, Isosco	eles or not a triangle and	
	satisfy the fe	following conditions: $a < b + c$ , $b < a + c$ and $c < a + c$	+ b. (08 Marks)	
	b. Explain Ran	ndom testing with an example.	(04 Marks)	
	c. Briefly exp		ii) Strong Normal	
		e class testing iii) Weak Robust Equivalence clas		
	Robust Equ	ivalence class testing.	(08 Marks)	
	n 11 16		(08 Marks)	
	a. Explain Me	tric based testing.	(08 Marks)	
	b. Explain Slice	ce – based testing guidelines and observations in detail.  rt note on define/use testing.	(04 Marks)	
	c. Write a shor	rt note on define use testing.	(01111111111111111111111111111111111111	
ļ	a. Describe To	pp – down and Bottom – up Integration strategies.	(06 Marks)	
	b. Explain call	graph based integration with the help of:		
	i) Pairwis	e Integration (/ ii) Neighbourhood Integration.	(06 Marks)	
	c. Explain the	decomposition based integration with an example	(04 Marks)	
		ression and Progression testing.	(04 Marks)	
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		PART - B	S in Antion	
5		pelow terms: i) Threads ii) MM – path iii)	Data iv) Action	
	v) Ports	C: 4 di manala	(10 Marks) (10 Marks)	
	b. Explain diff	ferent types of interactions with example.	(10 Marks)	
	Eveloin in his	letail, Validation and Vertification and their differences.	(10 Marks)	
5		dependability properties.	(06 Marks)	
		als of Quality process.	(04 Marks)	
	c. List the goa	is of Quality process.	(2)	
7	a. Explain fau	lt-based testing terminologies.	(06 Marks)	
,	b. Describe th	e test oracles with a neat diagram.	(08 Marks)	
	c. What is Sca	affolding? What purposes it serves? Explain with an example of the server of the serve	mple. (06 Marks)	
Q	o Evaloia Dio	sk Management in the quality plan.	(10 Marks)	
8	<ul><li>a. Explain Ris</li><li>b. Give the sta</li></ul>	andard structure of an analysis and test plan.	(10 Marks)	
	o. Give the ste	middle on detaile of all allery old alle vest p.m.		