GBCS Scheme

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USN			15CS552

Fifth Semester B.E. Degree Examination, Dec.2017/Jan.2018 Introduction to Software Testing

Tir	ne:	3 hrs. Max. M	farks: 80			
	N	ote: Answer any FIVE full questions, choosing one full question from each mo	dule.			
		Module-1				
1	a. b.	Explain Testing and Debugging cycle with a diagram. What are errors? Explain Software quality in detail.	(08 Marks) (08 Marks)			
		OR				
2	a.	Explain Levels of testing with a neat diagram.	(08 Marks)			
	b.	Explain Functional Testing and structural Testing.	(08 Marks			
		Module-2				
3	a.					
	b.	List and explain equivalence class Testing with diagram.	(08 Marks)			
		OR				
4	a.	Explain Boundary value analysis and Robustness Testing.	(08 Marks)			
	b.	What are Decision Tables? Draw the Decision Table for Triangle problem.	(08 Marks			
		Module-3				
5	a.	Explain Fault Based Adequacy Criteria	(08 Marks			
	b.	Explain mutation Analysis Terminologies.	(08 Marks)			
		OR				
6	a.	Explain in brief:				
		i) Statement Testing ii) Branch Testing.	(08 Marks)			
	b.	Explain McCabe's Basis path method.	(08 Marks)			
		Module-4				
7	a.	Define scaffolding. Explain Generic versus specific scaffolding.	(08 Marks)			
	b.	Define: i) Sensitivity ii) Restriction iii) Partition iv) Visibility.	(08 Marks)			
		OR S				
8	a.	Explain the following:				
O	a.	i) Risk Planning ii) Monitoring the process.	(08 Marks)			
	b.	- · ·// 40 × · · ·				
		i) Quality Goals ii) Dependability properties.				
		Module-5	0 57			
9	a.	a. Explain the following:				
		Usability ii) Regression testing				
	b.	b. Explain the upper level SATM Finite state machine.				
		OR				
10	a.	Explain the path based integration testing.	(08 Marks)			
	1	Englain all manh hand integration	(00 Marks)			

(08 Marks)

b. Explain call graph based integration.