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Sixth Semester B.E. Degree Examination, July/August 2021 **Software Testing**

Max. Marks: 80 Time: 3 hrs.

		Note: Answer any FIVE full questions.	
1	a. b.	Explain Software Testing Life Cycle, with a neat diagram. Explain the SATM system.	(08 Marks) (08 Marks)
2	a. b.	Explain different Software Quality attributes in detail. Explain Functional and Structural testing.	(08 Marks) (08 Marks)
3	a. b.	Explain Boundary Value Analysis. Mention its limitations. Derive BVA test triangle problem. Explain different equivalence class testing with an example.	t cases for (08 Marks) (08 Marks)
4	a. b.	Define Fault Based Testing. What are the assumptions in Fault Based Testing? Design, develop a program in C language to implement the Next Date function. from the Perspective boundary value testing. Derive different test cases. Explain cases and discuss the test results.	
5	a. b.	Explain about slice based testing in a data flow testing by taking commission prob Write a note on: i) Statement testing ii) Branch testing. Also explain Scaffolding and Test oracles in brief.	olem. (08 Marks) (08 Marks)
6	a. b.	What is Basis Testing? Explain McCabe's basis path testing with a neat diagram. Design and develop C language program to solve the Commission problem. A price for lock = 45.0 , stock = 30.0 and barrels = 25.0 production limit coumonth 70 locks, 80stocks and 90 barrels, Commission on sales = $10\% < 100$ on 1000 to 1800 and 20% on above 1800. Write all the possible DD Paths, du—1 with data flow diagram.	Assumption ld sell in a 00 and 15%
7	a. b.	Explain the following : i) Sensitivity ii) Redundancy iii) Visibility iv) Partition. List and explain different types of Risk Planning.	(08 Marks) (08 Marks)
8	a. b.	Briefly explain Test design Specification documents. Discuss the Dependability properties.	(08 Marks) (08 Marks)
9	a. b.	Explain about Client / Server testing, with respect to Interacting testing. Draw the display screens of both Simple Automatic Teller Machine (SATM) Terr built with fifteen screens for the SATM system with respect to context diagram.	(08 Marks) minal and (08 Marks)
10	a.	Explain Decomposition based Integration testing.	(08 Marks)

Explain Decomposition based Integration testing.

(08 Marks)

Compare System, Acceptance and Regression testing.

(08 Marks)

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