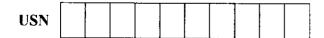
(07 Marks)

(10 Marks)

(03 Marks)



iii) Extreme programming.

c. What is test and analysis report.

b. Explain risk management in the quality plan.

Sixth Semester B.E. Degree Examination, Dec.2015/Jan.2016 **Software Testing**

Time: 3 hrs. Max. Marks: 100

> Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART - A

		PARI – A		
1	a.	Why do we test software? Discuss what a typical test case information should inc		
	b. c.	Differentiate between black box testing and white box testing. Explain the levels of abstraction and testing in the waterfall model.	(07 Marks) (05 Marks) (08 Marks)	
2	a.b.c.	What is boundary value analysis? Write the test cases using boundary value analysis for triangle problem. Define equivalence class testing. Write weak robust equivalence class commission problem. Write the decision table for triangle problem and discuss how well decision to	(07 Marks) testing for (06 Marks) able testing	
3	a. b. c.	deals with multiple fault assumption. Explain metric based testing. Using Mc-Cabe's strongly connected graph, write the path/edge traversal. Draw the lattice on sales and communication. (Hint slices on sales and commission)	(07 Marks) (08 Marks) (09 Marks) on). (03 Marks)	
4	a. b. c.	Define regression and progression testing. Draw the context diagram of the SATM system and explain the same. Draw the PIN entry finite machine, explain with corresponding screens.	(04 Marks) (08 Marks) (08 Marks)	
		PART – B		
5	a.	. What is decomposition—based integration? Explain any one of them with an example.		
	b. c. d	Define thread. How do we test them? Explain atomic system function testing by taking an example of next date. What is interaction testing?	(07 Marks) (05 Marks) (06 Marks) (02 Marks)	
6	a.b.c.d.	Validation activities check work product against actual user requirem verification activities check consistency of work product – justify your a suitable diagram and explanation. Write six principles which constitute the core of software testing. List the goals of quality process. Can a system be correct and yet unsafe?		
7	a. b. c. d.	Write the fault based testing terminology and assumptions. What is scaffolding? What purposes it serves, explain with an example. What are test oracles? Explain comparison based oracle. Write about a paragraph on any one: i) Self-checks on oracles ii) Capture and replay.	(06 Marks) (06 Marks) (05 Marks) (03 Marks)	
8	a.	Based on test and analysis strategies explain any one: i) Clean room ii) Software reliability engineered testing	, , , , , , , , , , , , , , , , , , , ,	