GUJARAT TECHNOLOGICAL UNIVERSITY ME- SEMESTER II– EXAMINATION – SUMMER 2015

Subject Name: Testing& Verification of VLSI Design			Date: 28/05/2015
			Total Marks: 70
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Explain the following terms. I. Defect II. Error. III. Fault. Explain test accompanies	07
	(b)	Explain test economics.	07
Q.2	(a) (b)	Explain the cost of bugs over a time. Justify the statement õVerification is necessary evilö. OR	07 07
	(b)	Discuss Functional Versus Structural Testing	07
Q.3	(a) (b)	Explain the different verification styles in detail.Explain the following terms.I. Black Box verification.II. White Box verification.III. Gray Box verification.	07 07
		OR	
Q.3	(a) (b)	List down different verification tool and explain any one in de What is the importance of function coverage in testing? Expla	
Q.4	(a) (b)	What do you mean by Design for Verification? Explain in det Explain the Role of testing for VLSI circuit. OR	tail. 07 07
Q.4	(a) (b)	What is Built in self test? Explain in detail. Discuss theory and Analysis of Linear Feed Back Shift Regist	07 ter. 07
Q.5	(a) (b)	Explain the Tradeoff between Teacher and Student Risk withExplain the following terms.I. Testing.II. Verification.	example. 07 07
Q.5	(a)	OR Describe Complex D-Algorithm with Example.	07
~	(a) (b)	Describe Functional RAM Testing with March Tests.	07
