Code No: 126ER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech III Year II Semester Examinations, May 2016 SOFTWARE TESTING METHODOLOGIES (Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

Time	e: 3 hours		Max. Marks: 75	
Note	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks; Answer consists of 5 Units. Answer any one full question from e 10 marks and may have a, b, c as sub questions.	all questions each unit. Eac	in Part A: Part B h question carries	*****
	PART - A			
1.a) b)	Define testing and debugging. What are the elements of flow graph?		(25 Marks) [2] [3]	# 9
c) d)	What is Data-flow testing? Give an example of a transaction-flow.		[2] [3]	
e). f): g)	What is domain testing? Define linear vector space. What are distributive laws?	X X X X X X X X X X X X X X X X X X X	[2]	F 6 8 6 8 6 8 6 8 8 6 8 8 6 8 8 6 8
h) i)	Give examples of four variable KV-chart. Define state-transition table. What is partial ordering relation?		[3] [2] [3]	
j)	What is partial ordering relation? PART - B		(50 Marks)	**** X** X** *
			(50 Marks)	
2.a)	Distinguish the following: i) Function vs structure ii) The builder vs Buyer How should you go about quantifying the nightmare? Ex OR	cplain:	[5+5]	NYA YA Y X X Y Y Y Y Y Y X Y Y Y
3.a) b)	Is complete testing possible? Explain. What are the three kinds of loops? Explain with example	[5+5]		
4.a) b)	Describe the complications of transaction flows What are data-flow anomalies? Explain. OR		[5+5]	*** ** * * * * * * * * * * * * * * * * * * * * *
5.a) b)	Define transaction flow testing. Explain transaction flow Explain about the data-flow model with example.	structure.	[5+5]	
6.a)	What are the restrictions of domain testing? Explain. How to test two-dimensional domains? Explain. OR		[5+5]	0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
7.a) b)	What is the strategy of domain testing? Explain in brief. Discuss about domains and testability.		[5+5]	ericonomi de comode
******		* * * * * * * * * * * * * * * * * * *	X + + + × × × × × × × × × × × × × × × ×	+x+ x+ 4 x 9 x x 6 +x+ x+ 6 5 7 7 x 8 6 +x+ x

							*
OXXO OXXO OXXO	8.a) Expla b) Justif "Deci	(5+5)					
E	b) What in Expla a) Imp b) Nu	are the rules of the following pact of bugs in sumber of states in perties of relations.	thmetic with exam Boolean algebra? g: state testing n a state graph.	OR nple. Explain.		[5+5] :::::::::::::::::::::::::::::::::::	
R	11Expla a) Sof	in the following	g: (DR		[5+5]	El
****		ER		O00	BR		
				BR	CR.		
****					ER	SR	
VAN-					BR		
**** * * * * * * * * *							488 888 4 9 9 4 9 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9