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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

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

	PART - A			
1.a) Define testing and debugg b) What are the elements of f	ing. " low graph?	K9	(25 Marks) [2] [3]	
c) What is Data-flow testing? d) Give an example of a trans e)What is domain testing? f)Define linear vector space. g) What are distributive laws	saction-flow.	K9	[2] [3] [2] [2] [2]	K9
h) Give examples of four var. i) Define state-transition tabl j) What is partial ordering re	le.	K9	[3] [2] [3]	K 9
Fire wi	PARI-B	й °+ ж+°	(50 Marks)	÷ '* •x'
 2.a) Distinguish the following: i) Function vs structure ii) The builder vs Buyer b) How should you go about 3.a) Is complete testing possible 	quantifying the nightmare OR le? Explain.		[5+5]	K9
b) What are the three kinds o 4.a) Describe the complication b) What are data-flow anoma	s of transaction flows:	imple.	[5+5] [5+5]	K9
5.a) Define transaction flow teab) Explain about the data-flow		flow structure.	[5+5]	
6.a) What are the restrictions of the house two-dimensions	f domain testing? Explair nal domains? Explain. OR	n. K9	[5+5]	KW
7.a) What is the strategy of donb) Discuss about domains and	main testing? Explain in b	orief.	[5+5]	
K9 K9	K9 K9	* * * * * * * * * * * * * * * * * * *	*****	+ + + × × + + + × + + × + × + × + × + ×

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b) "Jus	plain about the mean partify the following state ecision tables can also	ement:" be used to example to ex	* * **			K9
b) Wh 10. Ex a)	plain Push/Pop arithment are the rules of Boundary street are the rules of Boundary street.	etic with exampolean algebra? I	ple.	KÐ	[5+5]	K B
c) Properties of relations. 11. Explain the following:		Kg	OR KS		[3+4+3]	
a) b)	Software implementate Applications of graph	tion of state gra matrices.	phs.		[5+5]	
K9	KQ	K00	O00 10 10	K9	K9	K9
K9		K9		K9	KS	K:9
K9	· K9		K9		K9	K9
K9	K9		K9		K9	K9
K9	K9	K9	K9	K9	K9	КЭ
K9	Ke	K9	K9	K9	K9	K9