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la constante de la constante d	- - 	No: 126ER JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, May - 2017 SOFTWARE TESTING METHODOLOGIES (Common to CSE, IT) Max. Marks: 75						
Transcript de la constant de la cons	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 (25 Marks)						
innochmen innochmen	1.a) b) c) d) e) f) b) i)	What is meant by a software bug? Explain. What is the intent of path based testing? What are the complications with transaction flows? What are the applications of data flow testing? Explain. What is Interface testing? Give example. What is the purpose of Domain Testing? Give its schematic representation. What is decision table and how is a decision table useful in testing? How can we check the consistency and completeness in the decision tables? What are the applications of node reduction algorithm? Differentiate between good state graphs and bad state graphs. PART B (50 Marks)						
	2.	What are the consequences of bugs? To what extent can testing be used to validate that the program is fit for its purpose? Explain. [10] OR						
	3.	What is the purpose of testing? Discuss about various testing dichotomies with examples.						
	4.	Explain the Transaction Flow testing with an example. [10] OR						
	5. D ₆ .	Discuss the following strategies of data flow testing with suitable examples: a) All-predicate-uses (APU) strategy b) All-computational (ACU) strategy. What is meant by a nice domain? Give an example for nice two-dimensional domains. [10]						
•	7.	OR Define the following concepts with respect to domain testing:						
,	P6	a) Domains b) Domain dimensionality c) Domain closure d) Bug Assumptions for domain Testing [10]						

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8. What is the looping probability of a path expression? Write arithmetic rules and explain with an example. OR									
9· 10.	What are the	principles of s	ecification validat state testing? Exp building finite st	olain its advanta	iges and disadva	[10] intages. [10]			
OR 11. Write a detailed note on graph matrices and their applications. Write about the usage of Winrunner tools. [10]									
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