P6	P6 P6 P6 P6 P6	P6
P6	No: 126ER  JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAI  B. Tech III Year II Semester Examinations, May - 2017  SOFTWARE TESTING METHODOLOGIES  (Common to CSE, IT)  Max. Mark	P6
Note:	This question paper contains two parts A and B.  Part A is compulsory which carries 25 marks. Answer all questions in Part A. consists of 5 Units. Answer any one full question from each unit. Each question of marks and may have a, b, c as sub-questions.  PART-A  (25 N	Part B carries  Marks)
1.a) b) c) d) e) f) g) h) i)	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?	[2] [3] [2] [3] [2] [3] [2] [3] [2]
P6	Differentiate between good state graphs and bad state graphs.  PART B  (50 M	[3] Marks)
2.	What are the consequences of bugs? To what extent can testing be used to validate the program is fit for its purpose? Explain.  OR  What is the purpose of testing? Discuss about various testing dichotomies.	[10]
4.	Explain the Transaction Flow testing with an example.  OR	[10]

Discuss the following strategies of data flow testing with suitable examples:

What is meant by a nice domain? Give an example for nice two-dimensional domains.

b) Domain dimensionality

d) Bug Assumptions for domain Testing

OR

Define the following concepts with respect to domain testing:

[10]

a) All-predicate-uses (APU) strategy b) All-computational (ACU) strategy

5.

7.

a) Domains

c) Domain closure

