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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B.Tech III Year II Semester Regular Examinations May 2019****SOFTWARE TESTING**

(CSE)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a State and explain the consequences of bugs. 6M
 b Specify on which factor the importance of bugs depends and gives the metric for it & Explain Phases in a Tester's mental life. 6M

OR

- 2 List out the various taxonomy of bugs & explain it. 12M

UNIT-II

- 3 a Explain dataflow anomalies with one example. 6M
 b List out various applications of Data flow testing & Transaction flow testing. 6M

OR

- 4 a What is transaction? Write about mitosis& mitosis. 6M
 b What are the elements of flow graphs? Explain it. 6M

UNIT-III

- 5 a Explain in detail about Domain testing strategy. 6M
 b What is a path product and path sums? Discuss with an example. 6M

OR

- 6 a Describe the concept of nice and ugly domains. 6M
 b Write short notes on the following: 6M
 i) Domain closure ii) Domain dimensionality.

UNIT-IV

- 7 Write the steps involved in node reduction procedure. Illustrate all the steps with help of neat labeled diagrams. 12M

OR

- 8 a Explain the usage of regular expression in flow anomaly detection. 6M
 b Write short notes on Path Products & Path expressions. 6M

UNIT-V

- 9 a Explain about the Advantages and Dis-Advantages of State Testing. 6M
 b Explain about the relations of graph matrix and the properties in it. 6M

OR

- 10 a Explain about State Bugs and Transition Bugs. 6M
 b Give features of bad state graph. 6M

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