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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**MCA III Year I Semester Regular & Supplementary Examinations Nov/Dec 2019**
SOFTWARE TESTING

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Why we do testing? Explain the goals of testing. **6M**
b Explain briefly about the four factors used to find the importance of bug. **6M**

OR

- 2 a Explain Testing versus debugging. **6M**
b Describe taxonomy of bugs. **6M**

UNIT-II

- 3 a What are the difference between control flow graph and flow chart? **6M**
b Explain various loops with an example. **6M**

OR

- 4 a Describe Data Flow testing strategies. **5M**
b Explain Motivation and assumption of data flow testing. **7M**

UNIT-III

- 5 a Define domain closure and domain dimensionality. **6M**
b Describe interior point, boundary point and extreme point. **6M**

OR

- 6 What is meant by domain testing? Discuss the various applications of domain testing. **12M**

UNIT-IV

- 7 a Explain about path products and path expression. **6M**
b Explain applications of regular expression. **6M**

OR

- 8 How can we determine paths in domains in logic based testing? **12M**

UNIT-V

- 9 a Define state table and describe the state graphs. **6M**
b Write short notes on equivalent state with example. **6M**

OR

- 10 a Explain briefly about Good state graphs and Bad state graphs. **6M**
b Discuss briefly about the principles of state testing. **6M**

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