Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year II Semester Supplementary Examinations March 2021
SOFTWARE TESTING

Time: 3 hours   Max. Marks: 60

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

UNIT-I

| 1 | a | State and explain various dichotomies in software testing. | 6M |
| | b | Explain about The Consequences of Bugs. | 6M |

OR

| 2 | Explain white-box testing and behavioral testing. | 12M |

UNIT-II

| 3 | a | Explain births and mergers in a transaction flow testing. | 6M |
| | b | Describe Data-Flow Testing Strategies. | 6M |

OR

| 4 | a | Explain Motivation and Assumptions of Data Flow Testing. | 6M |
| | b | Explain about Data Flow Testing Terminology. | 6M |

UNIT-III

| 5 | Discuss in detail about testability of Domains. | 12M |

OR

| 6 | What is meant by Domain Dimensionality? | 12M |

UNIT-IV

| 7 | Explain Huang's theorem with examples . | 12M |

OR

| 8 | Reduction procedure algorithm for the following flow graph. | 12M |

6M

UNIT-V

| 9 | a | Write Short Notes on Transition Bugs. | 6M |
| | b | Write Short Notes on Encoding Bugs. | 6M |

OR

| 10 | What are graph matrices and their applications? | 12M |

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