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Reg. No: ☐☐☐☐☐☐☐☐☐☐☐

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year II Semester Supplementary Examinations July-2021
SOFTWARE TESTING
(Computer Science and Engineering)

Time: 3 hours Max. Marks: 60

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

UNIT-I

1	a	Outline about Path Testing Criteria.	6M
	b	Explain about achievable and un-achievable paths through Path Testing.	6M

OR

2	a	What is static & dynamic anomaly detection? Give one example?	6M
	b	List out the different types of test bugs?	6M

UNIT-II

3	a	Describe applications of data flow testing.	6M
	b	How do we find dataflow anomalies explain about suitable example?	6M

OR

4		Discuss about transaction flow testing techniques.	12M

UNIT-III

5	a	Write about Interface Testing in brief?	6M
	b	Define Domain Testing with an example.	6M

OR

6	a	What is Domain Dimensionality?	6M
	b	Illustrate systematic boundaries with diagram.	6M

UNIT-IV

7	a	Write a note on i)Path Products ii)Path Sums	6M
	b	Illustrate LBT Testing in brief.	6M

OR

8	a	Minimize the function $F(A,B,C,D) = \pi M(0,1,2,5,8,9,10)$ using K-Map.	6M
	b	Write about Applications of Node Reduction Procedure?	6M

UNIT-V

9	a	Explain about State testing with its example graph	6M
	b	List out the relations of graph matrix and the properties in it.	6M

OR

10		Explain about Power of Matrix with its algorithm and explain how a matrix can be reduced from a path expression.	12M

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