Q.P. Code: 19MC9123 R19

Reg. No: | | | | | | | | | | |

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

MCA II Year II Semester Regular Examinations July-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.	L1	**6M**
	b	Illustrate about requirements, features and functionality bugs.	L3	**6M**
		OR		
2	a	Explain white-box testing and behavioral testing.	L2	**6M**
	b	Generate the goals for testing and model for testing in software testing.	L5	**6M**

UNIT-II

3	a	Explain births and mergers in a transaction flow testing.	L2	**8M**
	b	Distinguish Control Flow and Transaction flow testing.	L4	**4M**
		OR		
4	a	Write about data-flow anomalies. How data flow testing can explore them.	L3	**6M**
	b	State in details about the slicing and dicing. Discuss about static and dynamic program slicing.	L1	**6M**

UNIT-III

5	a	Write about nice - domain. Give an example for nice two - dimensionaldomain.	L3	**8M**
	b	Examine the various properties related to Ugly-domains.	L4	**4M**
		OR		
6		Define Testing. With a neat diagram, explain the schematic representation of domain testing.	L4	**12 M**

UNIT-IV

7	a	Discuss with an example of Huang's theorem.	L2	**8M**
	b	Write Short Notes on: i) Distributive Laws ii) Identity elements	L3	**4M**
		OR		
8		State what is mean by decision tables? Illustrate the applications of decision tables with an example.	L3	**12M**

UNIT-V

9	a	List the principles of state testing. Discuss its advantages & disadvantages.	L1	**6M**
	b	Contrast about good state and bad state graphs.	L4	**6M**
		OR		
10	a	Describe about the graph matrices and their applications.	L6	**6M**
	b	Analyze the types of bugs that can cause state graphs.	L4	**6M**

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