Code No: P18ADE02

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
III B.TECH I SEMESTER END REGULAR EXAMINATIONS, DEC/JAN – 2022/23
SOFTWARE TESTING
(AIDS Branch)

Time: 3 hours   Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A
Answer all the questions in Part-A (5X2=10M)

Q.No.		Questions	Marks	CO	KL
1.	a)	List out the taxonomy of bugs.	[2M]	1	1
	b)	List the elements of flow graph.	[2M]	2	1
	c)	What is path expression?	[2M]	3	2
	d)	What is dead state?	[2M]	4	2
	e)	List the approaches to test data generation.	[2M]	5	1

PART-B
Answer One Question from each UNIT (5X10=50M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.		Explain consequences of bugs.	[10M]	1	2
		OR			
3.		Illustrate boundary value analysis with suitable examples.	[10M]	1	3
		UNIT-II			
4.		Explain the strategies in data flow testing.	[10M]	2	2
		OR			
5.		Explain the path instrumentation in detail.	[10M]	2	2
		UNIT-III			
6.		Illustrate path products and path expressions with suitable examples.	[10M]	3	3
		OR			
7.		Demonstrate the reduction procedure with suitable example.	[10M]	3	3
		UNIT-IV			
8.		What is a state graph? How they can be used in transition testing? Illustrate with suitable example.	[10M]	4	3
		OR			
9.	a)	How to use decision-tables as basis for test case design? Explain.	[5M]	4	2
	b)	How path expressions are used in logic-based testing?	[5M]	4	2
		UNIT-V			
10.		Explain each step of node reduction algorithm in detail.	[10M]	5	2
		OR			
11.		Describe the test data generation using Generic Algorithm.	[10M]	5	2

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