R16

SET - 1

III B. Tech II Semester Supplementary Examinations, February-2022
SOFTWARE TESTING METHODOLOGIES
(**Common to** CSE, IT)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART –A   (14 Marks)

1.	a)	Define system testing.	[2M]
	b)	What is transaction flowgraph?	[2M]
	c)	Give an example of nice 2-D domains.	[2M]
	d)	Describe design automation of syntax testing.	[3M]
	e)	Explain about equivalent states with example.	[3M]
	f)	Which test cases to automate?	[2M]

PART –B   (56 Marks)

2.	a)	What are three kinds of predicate blindness? Explain.	[7M]
	b)	Describe requirements, features and functionality bugs.	[7M]
3.	a)	Explain sensitization and instrumentation of transaction flow testing.	[7M]
	b)	Discuss in detail about the data flow model in detail.	[7M]
4.	a)	What are restrictions in domain testing? Explain.	[7M]
	b)	Explain steps of a reduction procedure with suitable example.	[7M]
5.	a)	Where do you get the syntax? Explain sources of syntax.	[7M]
	b)	What are the rules of Boolean algebra? Give suitable examples.	[7M]
6.	a)	Describe software implementation of state graphs.	[7M]
	b)	Explain about applications of graph matrices.	[7M]
7.	a)	Discuss about GUI map file of WinRunner tool.	[7M]
	b)	Describe rapid test script wizard in detail.	[7M]

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