Code No: R1632054 **R16** SET - 1

III B. Tech II Semester Supplementary Examinations, November -2019

SOFTWARE TESTING METHODOLOGIES

(**Common to** Computer Science and Engineering, Information Technology)

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)	Differentiate Beta testing from Alpha testing.	[2M]
	b)	Define Slicing.	[2M]
	c)	Compare open and closed domains.	[2M]
	d)	What is the possibility of getting unreachable states?	[3M]
	e)	What is the role of predicate in path expression?	[3M]
	f)	At what level non functional requirement testing is performed?	[2M]

PART –B (56 Marks)

2.	a)	List out various types of Bugs possible in executing a program and discuss their remedies.	[7M]
	b)	Describe the role of control flow graph in testing a software.	[7M]
3.	a)	Write about the components of transaction flow testing.	[7M]
	b)	What are the differences between static and dynamic anomaly detection? Explain.	[7M]
4.	a)	Relate Bug assumption with domain testing.	[7M]
	b)	Discuss the importance of regular expression in software testing.	[7M]
5.	a)	Represent the path expression: ab(cde)*(f+kba)*(a+acd)*(g+c)* using graph.	[7M]
	b)	How decision tables will be helpful in logic based testing gives various components of it? Explain.	[7M]
6.	a)	Demonstrate cyclomatic complexity with an example.	[7M]
	b)	How to identify good and bad state graphs? Explain.	[7M]
7.	a)	Explain the features of test automation. Give its merits and demerits over manual testing.	[7M]
	b)	How to record test and set check points in win runner? Explain.	[7M]

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