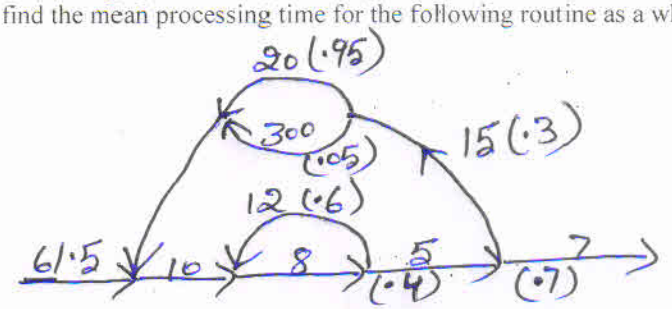
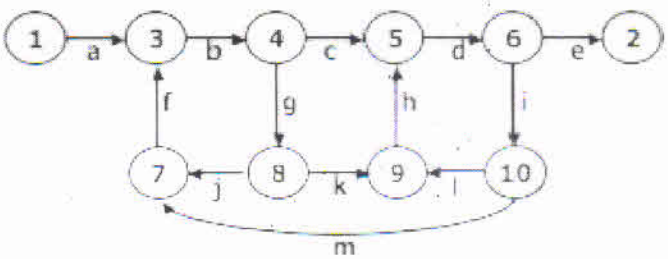
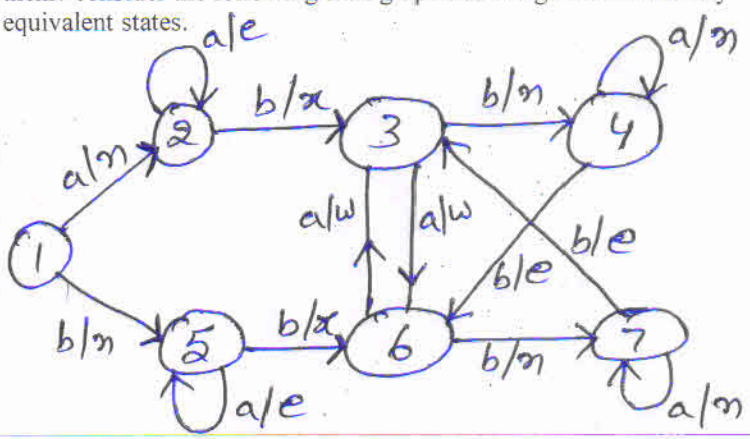
P.V.P Siddhartha Institute of Technology

Department of Computer Science and Engineering

Course: B.Tech	Year: III	Semester: II	Descriptive: II	A.Y:2025-26
Subject Code:23CS4601A	Subject Name: Software Testing Methodologies			Regulation:PVP23
Duration:1 hr 30 min	Maximum Marks:30Marks		Date:09/04/26	Session: F.N

Answer one from each Either-Or type of Questions.

Each Question carries 10 Marks 3×10M=30M

Q.No			Marks	CO	Level
1.		Analyze the testing one - dimensional domains.	10	CO2	L2
		(OR)			
2.		Analyze the testing two- dimensional domains.	10	CO2	L2
3.		Given the execution time of all statements or instructions for every link in a flow graph and the probability for each direction for all decisions, find the mean processing time for the following routine as a whole. 	10	CO3	L3
		(OR)			
4.		Illustrate the reduction procedure for converting a flow graph whose links are labeled with names into a path expression that denotes the set of all entry/exit paths in the flow graph. Reduce the following flow graph. 	10	CO3	L3
5.		How to recognize the Equivalent states in the state graph and merge them? consider the following state graph and merge if there are any equivalent states. 	10	CO3	L3
		(OR)			
6.	a	Analyze good and bad state graphs.	5	CO3	L3
	b	Analyze the principles and limitations of state testing.	5	CO3	L3