

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
<b>School of Computer Science and Engineering</b> <b>Backlog Examination, June 2023</b> <b>[Programme: B.Tech] [Semester: VI ] [Batch: ]</b>				
Course Title: Software Testing Methodologies		Max Marks: 100		
Course Code: CSE411		Time: 3 Hrs.		
<b>Instructions:</b>	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
<b>SECTION-A (15 Marks)</b>		<b>5 Marks each</b>		
1.	What do you mean by bug? Explain various kinds of bugs.	K1	CO1	5
2.	Define a model for software testing. List the goals of software testing.	K1	CO2	5
3.	List the elements of flow graph and explain each element with suitable diagram.	K2	CO2	5
<b>SECTION-B (40 Marks)</b>		<b>10 Marks each</b>		
4.	List the different types of tools required for test planning. What is meant by integration testing and what are the goals of it.	K2	CO1	10
5.	State and explain various restrictions at domain testing processes.	K3	CO2	10
6.	Write a short note on below testing methods : i) Alpha Testing ii) Beta Testing iii) Random Testing	K4	CO3	10
7.	Discuss in detail data - flow testing strategies. <p style="text-align: center;">OR</p> What is meant by testing? Compare data flow and path flow testing strategies.	K3	CO3	10
<b>SECTION-C (45 Marks)</b>		<b>15 Marks each</b>		
8.	Mention at least four test case design strategies and explain them in detail.	K3	CO4	15
9.	Discuss in detail about various levels of testing along with planning and designing test cases in each one of them.	K6	CO3	15
10.	Elaborate different tools and techniques used for testing a software. <p style="text-align: center;">OR</p> Discuss in detail the testing methodology which validates software system against functional requirements and specifications. Also explain the complete process with a neat diagram.	K5	CO4	15