

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Computer Science & Engineering				
Mid Term Examination (MTE), Debarred Class / Summer term, July 2024				
[Programme: B.Tech CSE] [Semester: 5] [Batch: Summer Term]				
Course Title: Software Engineering & Testing Methodologies			Max Marks: 100	
Course Code: BTCS3502			Time: 3 Hrs.	
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	What are structural bugs? Explain.	L1	CO1	5
2.	What is decision table and how is a decision table useful in testing?	L1	CO2	5
3.	Write short note on the metrics for software design model.	L1	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	Describe application, tools and effectiveness of data-flow testing.	L2	CO3	10
5.	Discuss the various steps in requirement engineering. What are the work products of engineering the requirements?	L2	CO2	10
6.	Define software quality assurance .State various SQA activities	L1	CO4	10
7.	“Logic Based Testing improves the Project Lifecycle” Justify your answer	L6	CO2	10
SECTION-C (45 Marks)		15 Marks each		
8.	Explain the following software architectures a) Data flow Architecture b) Call and Return Architectures	L2	CO3	15
9.	Explain in detailed about Black-Box and White-Box testing.	L2	CO3	15
10	What are the various categories of risks? Give an overview about Risk Management.	L1	CO5	15