SRM UNIVERSITY DELHI-NCR, SONEPAT

Registration No.: | | | | | | | | | 0 3 |

MST-I (October-2022)
B. Tech (CSE) VII Semester

Subject Code: CS 4033

Subject Name: Software Testing

Duration: 90 min

Max. Marks: 50

Note: Question Paper consists of two parts (Part-A and Part-B).

All Questions are compulsory in Part-A.

Answer any THREE Questions from Part-B

PART A:(10*2)

S.No	Question(s)	Course Learning Outcome
1	Why software testing is important?	CLO1
2	Differentiate between verification and validation.	CLO1
3	List the benefits of software testing with reason.	CLO1
4	Explain the term functional and non-functional testing.	CLO1
5	What are the limitations of testing?	CLO1
6	Discuss advantages and disadvantages of Black Box Testing.	CLO2
7	What is Cyclomatic Complexity?	CLO2
8	Define at least one method to calculate Cyclomatic Complexity.	CLO2
9	What are Decision Table Based Testing and their parts?	CLO2
10	Describe Equivalence Partitioning and also mention type of this testing.	CLO2

PART B:(10*3)

S.No	Question(s)	Course Learning Outcome
1	What is the difference between a Defect, Error, Failure, Fault, and Mistake?	CLO1
2	Explain each step of software testing processes in detail.	CLO1
3	Discuss the White-Box and Black-Box testing also explains the types of both testing.	CLO2
4	Next Date is a function of three variables: month, date and year. It returns the date of the day after the input date. The month, date and year variables have integer values subject to these conditions: C1 $1 \leq month \leq 12$, C2 $1 \leq day \leq 31$, C3 $1812 \leq year \leq 2012$ Generate the test case for Boundary Value Analysis and Robustness Testing.	CLO2