

Roll No.: .....

## SGT UNIVERSITY

### END TERM THEORY EXAMINATION JULY-2022

Faculty/College of Study:	Engineering & Technology	Year/Semester:	6 <sup>th</sup> Semester
Program:	B.Tech (CSE) Gen	Duration:	03:00 Hrs
Course/Subject:	Software Development & Testing Methodology	Maximum Marks:	60
Course/Subject Code:	13020606	Batch:	2016

**Instructions:-**

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

### SECTION-A

#### (Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12 Marks]

S. No.	Question	Marks Allotted
1	Define the term Verification.	1
2	What is Testing?	1
3	What is Use Case?	1
4	Define Software Metrics.	1
5	Define Database Testing.	1
6	What is SRS document?	1
7	Define the term Incident.	1
8	Define Risk Analysis.	1
9	Define Path Testing.	1
10	Define CFG.	1
11	Define Mutation Testing.	1
12	Define the term Software Testing.	1

**SECTION-B**  
**(Short Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X2=8 Marks]**

S. No.	Question	Marks Allotted
13	Define Test Planning.	2
14	Define Levels of Testing.	2
15	Explain Cyclomatic Complexity.	2
16	How to perform testing	2

**SECTION-C**  
**(Descriptive Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X4=16 Marks]**

S. No.	Question	Marks Allotted
17	Define Boundary Value and Equivalence Class Testing.	4
18	Explain Software Test Automation.	4
19	Explain different categories of Software Metrics.	4
20	Explain concept of Test Cases.	4

**SECTION-D**  
**(Long Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X6=24 Marks]**

<b>S. No.</b>	<b>Question</b>	<b>Marks Allotted</b>
21	Define White box testing.	6
22	How to find errors in a program ?	6
23	Differentiate between Verification and Validation.	6
24	Difference between Functional and Non- Functional Testing.	6