

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VI- EXAMINATION –SUMMER-2022

Subject Code: 2668602**Date: 03/06/2022****Subject Name: Software Testing****Time: 10:30 AM to 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Do as directed. **07**
1. Define Software Quality assurance.
 2. Give the difference between automation testing and manual testing.
 3. List out components of SQA.
 4. CASE stands for _____
 5. Differentiate validation and verification.
 6. Write any five guidelines to create good test case.
 7. Define White-Box testing.
- (b)** Define Testing. Explain STLC in detail. **07**
- Q.2 (a)** List out pre-project software quality components and explain how it can be helpful in SQA activities. **07**
- (b)** List out major Software Quality Assurance Activities. Explain any five activities in detail. **07**
- OR**
- (b)** Define Software. Explain software testing strategies in detail. **07**
- Q.3 (a)** Define Black-box testing. Differentiate Equivalence partitioning and Boundary Value analysis techniques with example. **07**
- (b)** Explain Prototype model in detail. **07**
- OR**
- Q.3 (a)** Explain Object-oriented model in detail. **07**
- (b)** Give the difference between procedure and work instruction. Explain CAPA process. **07**
- Q.4 (a)** Create any five Test Cases for Online Shopping System. **07**
- (b)** List out any five types of CASE Tools. Explain components of CASE tools in detail. **07**
- OR**
- Q.4 (a)** Write down any seven mistakes to avoid at the time of Test case Design. **07**
- (b)** Explain training and certification process. **07**
- Q.5 (a)** What is Metrics? Differentiate Product and Process metric. **07**
- (b)** Specify the roles and responsibilities of Project Manager of Testing Department. **07**
- OR**
- Q.5 (a)** Explain the process of defining software quality metric. **07**
- (b)** Explain the extended classic model of cost of quality. **07**
