

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII - EXAMINATION –SUMMER-2021

Subject Code: 4470631**Date: 11-08-2021****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)** Explain the following terms: **07**
1. STLC stands for _____.
 2. Define Scrum.
 3. What is Test Script?
 4. Write a full form of UAT.
 5. Define: Test Scenario.
 6. Write a full form of TFS.
 7. List out any five responsibilities of tester.
- (b)** Explain testing during software development life cycle. **07**
- Q.2 (a)** Define Testing. Give the difference between Inspection, Structural walkthrough and Technical Reviews. **07**
- (b)** Give the difference between Validation and Verification. List and explain validation activities in detail. **07**
- OR**
- (b)** What is functional testing? Explain sandwich testing and regression testing. **07**
- Q.3 (a)** Explain Critical Path First Method with example. **07**
- (b)** Write a short note on Requirement Traceability Matrix. **07**
- OR**
- Q.3 (a)** Write a short note on ODC. **07**
- (b)** Explain Load and Stress testing in detail. **07**
- Q.4 (a)** Explain Test Case template with example. List any five common mistakes which can arise in writing test cases. **07**
- (b)** Explain TDD Model in details. **07**
- OR**
- Q.4 (a)** Which tools are used to build test data? Explain any two tools in details. **07**
- (b)** Explain DevOps Model for testing in detail. **07**
- Q.5 (a)** Explain Defect density, MTBF and MTTR matrix. **07**
- (b)** Give the difference between White Box testing and Black Box testing. **07**
- OR**
- Q.5 (a)** Explain Smoke, Adhoc, and COTs testing in detail. **07**
- (b)** IT company is having testing department. It has testing team as QA Engineer, Tester, Test Lead/ Manager and scrum master. Specify roles & responsibility of QA Engineer and Scrum Master. **07**
