

**GUJARAT TECHNOLOGICAL UNIVERSITY****MCA INTEGRATED - SEMESTER-VII • EXAMINATION – WINTER 2020****Subject Code:4470631****Date:11-01-2021****Subject Name:Software Testing****Time:10:30 AM to 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the following terms: **07**
1. Write full form of **TDD**.
  2. **SDLC** stands for \_\_\_\_\_.
  3. Define role of Scrum Master in Scrum Meeting.
  4. Write a full form of **MTBF/MTTR**.
  5. Write a full form of **UAT**.
  6. Define: Regression Testing.
  7. Write a full form of **TFS**.
- (b) Describe in detail about software testing life cycle. **07**
- Q.2** (a) List validation activities. Discuss in details unit testing, integration testing and system testing. **07**
- (b) Define Testing. Give the difference between Inspection, Structural walkthrough and Technical Reviews. **07**
- Q.3** (a) Explain Critical Path First Method with example. **07**
- (b) Explain Sanity and Smoke testing in detail. **07**
- Q.4** (a) Write a short note on ODC. **07**
- (b) Explain Adhoc and COTs testing in detail. **07**
- Q.5** (a) Give detail guidelines to write Test Case in better way. **07**
- (b) Explain Kanban Model in details. **07**
- Q.6** (a) What are the roles and responsibilities of Tester? **07**
- (b) Explain Waterfall Model for testing in detail. **07**
- Q.7** (a) Explain Defect density and Residual defect density. **07**
- (b) What skills are required for tester to use testing tools? **07**
- Q.8** (a) Give the difference between White Box testing and Black Box testing. **07**
- (b) An MNC company is having testing department. It has testing team as QA Engineer, Tester, Test Lead/ Manager and scrum master. Specify roles & responsibility of each member of testing department. **07**

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