

Course: M. Tech.

Branch : Computer Engineering

Semester :II

Subject Code & Name: Software Testing (MTCE1203A)

Max Marks: 60

Date:19/10/2022

Duration: 3 Hr.

**Instructions to the Students:**

1. Solve Any Five Questions.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

(Level/CO) Marks

**Q. 1 Solve the following questions.**

- A) Explain Software Testing: Bug Life Cycle. **Remember** 6
- B) Explain software development life cycle and Explain its Agile model. **Understand** 6

**Q.2 Solve the following questions.**

- A) What is Boundary value analysis testing? How Boundary Value Analysis perform in black box testing? **Understand** 6
- B) Why Compatibility testing is called as Non-Functional Testing? Explain Compatibility testing process **Synthesis** 6

**Q. 3 Solve the following questions.**

- A) Why do we need to perform the Stress Testing? State Objective and Features of Stress Testing. State Example if stress testing. **Application** 6
- B) Why do we need to perform automation testing? Explain Automation Testing Process. **Remember** 6

**Q.4 Solve the following questions.**

- A) How acceptance testing done? Explain operational acceptance testing? **Application** 6
- B) How to collect requirements for your project effectively? Explain its tools and techniques. **Remember** 6

**Q. 5 Solve the following questions.**

- A) Explain criteria are considered for test case selection? What is entry criteria and exit criteria for testing? **Application** 6
- B) Explain the Differences between Smoke Testing and Sanity Testing in detail with examples. **Remember** 6

**Q. 6 Solve the following questions.**

- A) How often should regression testing be performed in software development? **Understand** 6
- B) Why test metrics are important in software testing? **Synthesis** 6

\*\*\* End \*\*\*