

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 ***