1. **Black Box**
2. **White Box**
3. **Grey Box**

Difference between Black box, White Box, Grey box

Software Development Life Cycle

Testing Methodology (Types of SDLC)

1. Code & Fix
2. Big Bang
3. Spiral
4. Waterfall
5. V or V V or W Model
6. Agile

**Technique for Testing**

1. White Box Testing Technique
2. Code Coverage
3. Basis Path Coverage``
4. Statement Coverage
5. Black Box Testing Technique
6. Boundary Value Analysis
7. Equivalence Class Partioning
8. Cause Effect Graphing
9. Decision Table
10. State Transition
11. Use Case
12. Error Guessing
13. Static Testing Technique
14. Review
15. Walkthrough
16. Inspection

**Testing Types**

1. Functional
2. Non Functional
3. Performance
4. Attributes of Testing Types

**How to Test the application**

1. Identify Scenarios
2. Develop Test Case based on scenarios
3. Develop Test Case with the help of testing technique
4. Develop test case through
5. Use Case
6. Requirement Specification

Test Case Execution

**Defect Assigning** Defect Life Cycle

1. Template for defect assigning
2. Tools used fro defect assigning

**Software Testing Life Cycle**

1. Features of STLC
2. Preparing STLC
3. Importance of STLC

**Documentation**

1. Requirement Specification
2. Change Control
3. Design Document
4. Test Case
5. Technical Review
6. Requirement Traceability Matrixes
7. Defect Matrix
8. Project Tracking
9. Clarification Log
10. Issue Log
11. Test Plan
12. Test Case Template
13. Defect Tracking Template

**Quality Process**

1. What is quality
2. Role and responsibility of QA
3. Difference between QA and QC
4. Guidelines for improving Quality
5. Quality as per
6. ISO
7. CMM
8. CMMI

**Testing Terminologies**

1. Unit Testing
2. Functional Testing
3. Integration Testing
4. System Testing
5. UAT (User Acceptance Testing)
6. Regression Testing
7. Retesting
8. Smoke Testing
9. Ad-hoc Testing
10. Localization Testing
11. Alpha Testing
12. Beta Testing
13. Confidence Testing
14. Monkey/Gorilla Testing