**Module-2(Manual Testing)**

1. **What is Exploratory Testing?**

Current trend in testing is to push for automation, exploratory testing is a new way of thinking.

1. **What is traceability matrix?**

Test conditions should be able to be linked back to their sources in the test basis, this is known as traceability.

1. **What is Boundary value testing?**

Boundary value analysis is a methodology for designing test cases that concentrates software testing effort on cases near the limits of valid ranges

1. **What is Equivalence partitioning testing?**

The numbers fall into a partition where each would have the same, or equivalent, result

1. **What is Integration testing?**

Integration Testing is a level of the software testing process where individual units are combined and tested as a group

1. **What determines the level of risk?**
2. **What is Alpha testing?**
3. **What is beta testing?**
4. **What is component testing?**

Unit Testing is a level of the software testing process where individual units/components of a software/system are tested.

1. **What is functional system testing?**

A requirement that specifies a function that a system or system component must perform

1. **What is Non-Functional Testing?**

Testing the attributes of a component or system that do not relate to functionality, e.g. reliability, efficiency, usability, interoperability, maintainability and portability

1. **What is GUI Testing?**

Graphical User Interface (GUI) testing is the process of testing the system’s GUI of the System under Test. GUI testing involves checking the screens with the controls like menus, buttons, icons, and all types of bars – tool bar, menu bar, dialog boxes and windows etc

1. **What is Adhoc testing?**

Error guessing is a technique where the experienced and good testers are encouraged to think of situations in which the software may not be able to cope

1. **What is load testing?**

Load testing is a kind of performance testing which determines a system’s performance under real-life load conditions

1. **What is stress Testing?**

Stress Testing is done to make sure that the system would not crash under crunch situations

1. **What is white box testing and list the types of white box testing?**

Testing based on an analysis of the internal structure of the component or system

Types of White box testing:

1. **What is black box testing? What are the different black box testing techniques?**
2. **Mention what are the categories of defects?**
3. **Mention what bigbang testing is?**
4. **What is the purpose of exit criteria?**
5. **When should "Regression Testing" be performed?**
6. **What is 7 key principles? Explain in detail?**
7. **Difference between QA v/s QC v/s Tester**
8. **Difference between Smoke and Sanity?**
9. **Difference between verification and Validation**
10. **Explain types of Performance testing.**
11. **What is Error, Defect, Bug and failure?**
12. **Difference between Priority and Severity**
13. **What is Bug Life Cycle?**
14. **Explain the difference between Functional testing and NonFunctional testing**