Basics Of Software Testing

✔ Definition of Software testing
✔ Importance of Software Testing
✔ Why do we test?
✔ What is the Purpose of Software Testing?
✔ Types of Software

Software Development process

✔ Project basis
✔ Product basis

Software Quality Assurance (SQA)

✔ Advantages of SQA
- Improved Customer satisfaction
- Reduced cost of Development
- Reduced cost of maintenance

✔ Software Quality Control Quality Control Activities
✔ Difference between Quality Assurance and Quality Control
✔ Verification and Validation
✔ CMM Level and ISO

Software Development Life Cycle

✔ SDLC Models
1. Water Fall Model
2. V Model
3. Agile model
4. Spiral Model
5. Prototype Model
6. RAD Model
7. Iterative Model / Evolutionary Model
8. Incremental Model

Software Testing Life Cycle

✔ Software Testing Life Cycle phases:
1. Requirements Analysis
2. Test Planning
3. Test Analysis
4. Test Design

5. Construction and verification
6. Testing Cycles
7. Final Testing and Implementation
8. Post Implementation

Software Testing Methods

- ✔ White box testing
- ✔ Black box testing
- ✔ Gray box testing

Software Testing Techniques

- ✔ Equivalence Partitioning
- ✔ Boundary Value Analysis

Levels of Testing

- ✔ Unit testing
- ✔ Integration testing
- ✔ Component interface testing
- ✔ System testing
- ✔ Acceptance testing

Types of testing

- ✔ Unit Testing
- ✔ Integration Testing
- ✔ Functional Testing
- ✔ System Testing
- ✔ Stress Testing
- ✔ Performance Testing
- ✔ Usability Testing etc.
- ✔ Acceptance Testing
- ✔ Regression Testing
- ✔ Beta Testing etc.