

# ISTQB Foundation Level

## CH-1 Software Testing Fundamentals - (8)

- Typical Objectives of Testing
- Testing Vs Debugging
- Testing Vs QA
- Error, Defect, Failure
- 7 Testing Principles
- Test Activities & Testing Sequence
- Psychology of Testing

## CH-2 Testing through Software Lifecycle (Dynamic Testing)-(5)

- Software Development models Vs SDLC
- Test Levels - Comp/Int/Sys/UA
  - User Acpt Test
  - Operational Acpt Test
  - Contractual & Regulatory Acpt test
  - Alpha & Beta Testing
- Test Types
  - Functional test
  - Non-Functional test
  - White Box testing
  - Change Related Testing Confirmation / Regression
- Test Types Vs Test Levels
- Maintenance Testing

## CH-3 Static Testing -(5)

- WorkProducts to be examined
- Benefits of ST
- Static Vs Dynamic Testing
- Review Process
- Roles and Responsibilities in a review process
- Review Types
  - Walkthrough
  - Technical Review
  - Inspection
- Applying Review Techniques
  - Ad hoc
  - Checklist Based
  - Scenarios and Dry runs
  - Role Based
  - Perspective base
- Success factors for reviews

## CH-6 Tools in - (2) support of Testing

- Test Tool Considerations
  - Test tool clasification
  - Benefits & Risks at Test Automation
  - Test Execution & Management Tools
- Effective use of tools
  - Testing Tool Selection
  - Introducing test tool in Organization
  - Success factors for tools

## CH-5 Test Management (9)

- Test Organization
  - Independent Testing
  - Tasks of TestManager & Tester
- Test Planning & Estimation
  - Purpose and Content of a Test Plan
  - Test Strategy and Test Approach
  - Entry & Exit Criteria
  - Test Execution Schedule
  - Factors influencing Test Efforts
  - Test Estimation Techniques
- Test Monitoring& Control
  - Metrics used in Testing
  - Test Reports (purpose, audience & content)
- Configuration Management
- Risks and Testing
- Defect management

## CH-4 Test Design Techniques - (11)

- Categories of Test Techniques and their characteristics
- Black Box Test Technique
  - Equivalence Partitioning
  - Boundary Value Analysis
  - Decision Table Testing
  - State Transition Testing
  - Use Case Testing
- White Box Test Techniques
  - Statement testing & Coverage
  - Decision testing & Coverage
  - Value of Statement and Decision Testing
- Experience-based Test Techniques
  - Error guessing
  - Exploratory Testing
  - Checklist-based Testing