



Annual testing SYLLABUS 4999/-

Chapter 1: Testing Fundamentals

What is testing?
Why is testing necessary?
Economics of Testing

Black Box Testing
White Box Testing

Software Testing Principles
V-model (Software Testing Life Cycle)

Chapter 2: Testing throughout the software life cycle

Software Development models

Waterfall model
V-model
Iterative model
Prototype model (RAD)
Agile methodology

Chapter 3: Static Techniques

Views and the test process
Review Process
Code Reviews and Walkthroughs
Code Inspection

Chapter 4: Test Design Techniques

Identifying test conditions and designing test cases
Categories of test design techniques
Specification-based or black-box techniques

Boundary Value Analysis
Decision Table Testing
Error Guessing

- Organization
- Plans, Estimates, and strategies
- progress monitoring and control
- figuration Management
- and Testing
- dent Management

Chapter 6: Other Testing Types

- ction Testing
- ime Testing
- ss Testing
- bility Testing
- irity Testing
- ormance Testing
- figuration Testing
- ability Testing
- overy Testing

Chapter 7: Introducing Quality Center

- Quality Center Testing Process
- ting Quality Center
- Quality Center Window

Chapter 8: Specifying Releases and Cycles

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- ving Releases and Cycles

Chapter 9: Specifying Requirements

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- lifying Requirements
- verting Requirements

Chapter 10: Planning Tests

- eloping a Test Plan Tree
- igning Test Steps
- ying Test Steps
- ing Tests with Parameters
- ating and Viewing Requirements Coverage

Chapter 11: Running Tests

- ning Test Sets
- ing Tests to a Test Set