

Fundamentals of testing

- Why is testing necessary?
- What is testing?
- Testing principles
- Fundamental test process
- The psychology of testing

Testing throughout the software life cycle

- Software development models
- Test levels
- Test types: the targets of testing
- Maintenance testing

Static techniques

- Reviews and the test process
- Review process
- Static analysis by tools

Test design techniques

- Identifying test conditions and designing test cases
- Categories of test design techniques
- Specification-based or black-box techniques
- Structure-based or white-box techniques
- Experience-based techniques
- Choosing a test technique

Test management

- Test organization
- Test plans, estimates, and strategies
- Test progress monitoring and control
- Configuration management
- Risk and testing
- Incident management

Tool support for testing

- Types of test tool
- Effective use of tools: Potential benefits and risks
- Introducing a tool into an organization

Revision, Exercise, Discussions

Automation Testing using Selenium Tool (Web Driver with Basic Java)

The above mentioned items cover all the concepts asked in ISTQB Foundation level examination.