Certified Software Tester – Intermediate Level (CSTIL)

1. **Overview of Testing**
   - Introduction of Testing
   - Significance of Testing
   - Seven Testing Principles
   - Physiology of testing
   - Who can do testing?
   - Skill sets for testing professionals
   - Tasks handled by test professionals
   - SDLC and phases of SDLC
   - Life Cycle Modules
   - Definition and use of Agile and Scrum
   - What is build and build process?
   - STLC
   - Business Requirements
   - What is FRD?
   - Code of Ethics
   - Advantages of Manual and Automatic Testing

2. Test Plan
   - What is test plan?
   - Objective, scope and Strategy of test plans
   - How to write test plan?
   - Test Case
   - Test Case Specification
   - Test Procedure Specification
   - Test Log
   - Test Incident Report
   - Test Summary Report
   - Software Metrics
   - Types of Metrics

3. Test Case and Execution
   - Test Case
   - How to write effective test cases?
   - Test case review
   - Trace-ability matrix
   - Defect or bug
   - Bug Lifecycle
   - Priority vs severity

- Causes of software defects
- How to write test cases
- Tracking and bug reporting

4. Test Review
   - What is test review
   - Objective of reviews (Formal, Informal, Technical and Peer)
   - Value of review
   - Success factor for reviews

5. **Types of Testing**
   - Types of Testing (Manual and Automation)
   - Methods of Testing (Black Box, White Box and Grey Box Testing)
   - Levels of Testing
   - Non-functional Testing