

ISTQB 2024 CTFL v4.0 Preparation

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8+ YEARS OF EXPEREINCED
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What is ISTQB?

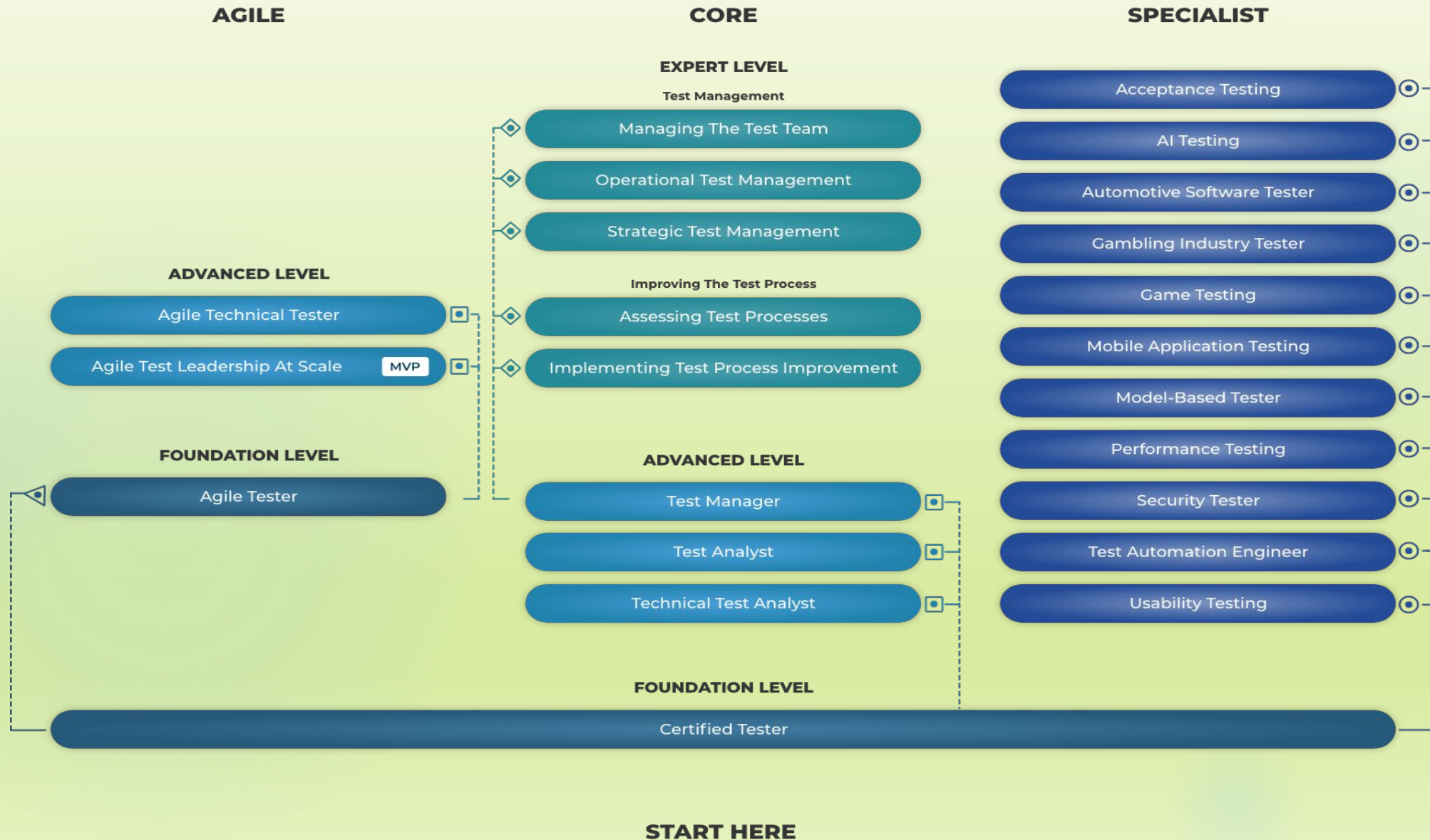
- ▶ ISTQB stands for the **International Software Testing Qualifications Board**. It is a globally recognized organization that provides a standardized certification scheme for software testing professionals.
- ▶ The main objective of ISTQB is to establish a common understanding of software testing concepts, techniques, methodologies, and best practices worldwide.

What is its importance?



1. **Standardization:** ISTQB certifications establish a common language and understanding of software testing concepts, ensuring consistency and standardization in the field.
2. **Career Development:** It helps software testing professionals enhance their skills, knowledge, and career prospects by providing certifications at different levels, such as Foundation, Advanced, and Expert levels.
3. **Global Recognition:** ISTQB certifications are widely recognized and respected across the globe, providing professionals with credentials that are valued in the industry.
4. **Improved Practices:** It promotes the adoption of best practices in software testing, leading to improved quality, efficiency, and effectiveness in software development processes.
5. **Enhanced Credibility:** Holding an ISTQB certification demonstrates a commitment to professional development and validates one's expertise in software testing, enhancing credibility within the industry.

ISTQB Exam List



General Overview of the CTFL exam

- Exam will be taken 40 marks based on 3 types of knowledge level (K1, K2, K3)
- Pass score 65%, 26 marks out of 40
- Total Chapter 6
- Time: 75 minutes
- Each question having 1 mark
- No negative marking
- Center: Daffodil International Academy, Panthapath
- Exam Fee: 18000/= tk

Understanding K1, K2 & K3

Level 1: Remember (K1)

The candidate will remember, recognize and recall a term or concept.

- ▶ **Action verbs:** identify, recall, remember, recognize.

Examples:

- ▶ Identify typical test objectives .
- ▶ Recall the concepts of the test pyramid.
- ▶ Recognize how a tester adds value to iteration and release planning

Level 2: Understand (K2)

The candidate can select the reasons or explanations for statements related to the topic, and can summarize, compare, classify and give examples for the testing concept.

- ▶ **Action verbs:** classify, compare, contrast, differentiate, distinguish, exemplify, explain, give examples, interpret, summarize.

Examples:

- ▶ Classify the different options for writing acceptance criteria.
- ▶ Compare the different roles in testing (look for similarities, differences or both).
- ▶ Distinguish between project risks and product risks
- ▶ Exemplify the purpose and content of a test plan.
- ▶ Explain the impact of context on the test process.
- ▶ Summarize the activities of the review process.

Level 3: Apply (K3)

The candidate can carry out a procedure when confronted with a familiar task, or select the correct procedure and apply it to a given context.

- ▶ **Action verbs:** apply, implement, prepare, use.

Examples:

- ▶ Apply test case prioritization
- ▶ Prepare a defect report.
- ▶ Use boundary value analysis to derive test cases.

Knowledge based segregation



K1, K2, K3 mapping with chapters

| Chapter | Description |
|-----------|----------------------------|
| Chapter 1 | Only K1 and K2; No K3 Ques |
| Chapter 2 | Only K1 and K2; No K3 Ques |
| Chapter 3 | Only K1 and K2; No K3 Ques |
| Chapter 4 | Only K2 and K3; No K1 Ques |
| Chapter 5 | All K1, K2 and K3 Ques |
| Chapter 6 | Only K1 and K2; No K3 Ques |

Chapter wise questions

| Chapter No | Chapter Name | Number of question |
|------------|------------------------------|--------------------|
| Chapter 1 | Fundamentals of Testing | 7-8 |
| Chapter 2 | Testing Throughout the SDLC | 6-7 |
| Chapter 3 | Static Testing | 3-5 |
| Chapter 4 | Test Analysis and Design | 10-12 |
| Chapter 5 | Managing the Test Activities | 8-10 |
| Chapter 6 | Test Tools | 2-4 |

What we learn chapter wise


| Chapter Name | Outlines |
|--|---|
| Chapter 1: Fundamentals of Testing (180 minutes) | <ul style="list-style-type: none">• The student learns the basic principles related to testing, the reasons why testing is required, and what the test objectives are.• The student understands the test process, the major test activities, and testware.• The student understands the essential skills for testing. |
| Chapter 2: Testing Throughout the Software Development Lifecycle (130 minutes) | <ul style="list-style-type: none">• The student learns how testing is incorporated into different development approaches.• The student learns the concepts of test-first approaches, as well as DevOps.• The student learns about the different test levels, test types, and maintenance testing. |

| Chapter Name | Outlines |
|---|---|
| Chapter 3: Static Testing (80 minutes) | <ul style="list-style-type: none"> The student learns about the static testing basics, the feedback and review process. |
| Chapter 4: Test Analysis and Design (390 minutes) | <ul style="list-style-type: none"> The student learns how to apply black-box, white-box, and experience-based test techniques to derive test cases from various software work products. The student learns about the collaboration-based test approach. |
| Chapter 5: Managing the Test Activities (335 minutes) | <ul style="list-style-type: none"> The student learns how to plan tests in general, and how to estimate test effort. The student learns how risks can influence the scope of testing. The student learns how to monitor and control test activities. The student learns how configuration management supports testing. The student learns how to report defects in a clear and understandable way. |
| Chapter 6: Test Tools (20 minutes) | <ul style="list-style-type: none"> The student learns to classify tools and to understand the risks and benefits of test automation. |

What's new on CTFL v4.0

- ▶ Major changes on Chapter 1
 - ▶ Section on testing skills expanded and improved
 - ▶ Section on the whole team approach (K1) added
 - ▶ Section on the independence of testing moved to Chapter 1 from Chapter 5
- ▶ Major changes on Chapter 2
 - ▶ Sections 2.1.1 and 2.1.2 rewritten and improved
 - ▶ More focus on practices like: test-first approach (K1), shift-left (K2), retrospectives (K2)
 - ▶ New section on testing in the context of DevOps (K2)
 - ▶ Integration testing level split into two separate test levels: component integration testing
 - ▶ and system integration testing

- ▶ Major changes on Chapter 3
 - ▶ Section on review techniques, apply a review technique removed
- ▶ Major changes in chapter 4
 - ▶ Use case testing removed
 - ▶ More focus on collaboration-based approach to testing
 - ▶ ATDD to derive test cases
 - ▶ Added two new K2 about user stories and acceptance criteria
 - ▶ Decision testing and coverage replaced with branch testing and coverage
 - ▶ Section on the value of white-box testing improved
- ▶ Major changes in chapter 5
 - ▶ Section on test strategies/approaches removed
 - ▶ New K3 on estimation techniques for estimating the test effort
 - ▶ More focus on the well-known Agile-related concepts and tools in test management
 - ▶ iteration and release planning (K1), test pyramid (K1), and testing quadrants (K2)
 - ▶ Section on risk management better structured by describing four main activities: risk identification, risk assessment, risk mitigation and risk monitoring

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- ▶ Major changes in chapter 6
 - ▶ Content on some test automation issues reduced as being too advanced for the foundation level
 - ▶ section on tools selection, performing pilot projects and introducing tools into organization removed

Preparation Tips

1. Read the whole syllabus by underlining important lines with proper concentration.
 - a) Download syllabus from [ISTQB website](#)
 - b) Learn keywords before each chapter
 - c) Start learning at this sequence:
 - ▶ ch 4 > ch 5 > ch 1 > ch 2 > ch 3 > ch 6 or
 - ▶ ch 1 > ch 4 > ch 5 > ch 2 > ch 3 > ch 6
2. Give chapter wise mock from [ISTQB Pathshala](#)
3. Perform all mock on full syllabus from [ISTQB Pathshala](#)
4. Perform all mock by installing this [mobile app](#)
5. Download and Perform all mock (sample exam) from [ISTQB website](#)

Before the exam:

Read the whole syllabus first to last multiple times

During the exam:

1. Time management is very efficient
2. Flag the questions which you are confused to answer it later
3. Keep pen and paper for analyzing K3 questions

ANY
QUESTIONS

