PSTQB
ASSOCIAÇÃO PORTUGUESA
DE TESTES DE SOFTWARE

✏ Remote Exam

🅰 文 English, German & French

🪙 258,30€

❗ **Associate Price**
246€
The amounts mentioned include VAT
at the normal rate in force.

ISTQB® CTAL
Test Manager

The ISTQB® Advanced Level Test Management (CTAL-TM) certification provides the knowledge and competencies to take responsibility for managing all the testing activities across the software development lifecycle. It covers everything from how to design a suitable test approach for the project based on the organizational test strategy to building a test team or testing competencies to complete the necessary testing.

To get the Advanced Level certification, candidates must hold the Foundation Certificate and have sufficient practical experience.

CONTENTS

Managing the Test Activities	
The Test Process	**Risk-Based Testing**
Test Planning Activities	Testing as Risk Mitigation Activity
Test Monitoring & Control Activities	Identification of Quality Risks
Test Completion Activities	Quality Risks Assessment
The Context of Testing	Quality Risk Mitigation Through Appropriate Testing
Test Stakeholders	Techniques for Risk-Based Testing
Importance of Stakeholders Knowledge in Test Management	Success Metrics & Difficulties Associated with Risk-Based Testing
Test Management in Hybrid Software Development Model	**Project Test Strategy**
Test Management Activities for Various Lifecycle Models	Choosing a Test Approach
Test Management Activities at Various Test Levels	Analyzing the Organizational Test Strategy, Project Context & Other Aspects
Test Management Activities for Different Test Types	Definition of Test Objectives
Test Management Activities to Plan, Monitor & Control	**Improving the Test Process**
Test Tools	The Test Improvement Process (IDEAL)
Good Practices for Tool Introduction	Model-Based Test Improvement
Technical & Business Aspects for Tool Decisions	Analytical-Based Test Process Improvement Approach
Selection Process Considerations & Return on Investment Evaluation	Retrospectives
Tool Lifecycle	
Tool Metrics	

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Managing the Product	
Test Metrics	**Defect Management**
Metrics for Test Management Activities	Defect Lifecycle
Monitoring, Control & Completion	Cross-Functional Defect Management
Test Reporting	Specifics of Defect Management in Agile Teams
Test Estimation	Defect Management Challenges in Hybrid Software Development
Estimating What Activities Testing Will Involve	Defect Report Information
Factors Which May Influence Test Effort	Defining Process Improvement Actions Using Defect Information
Selection of Test Estimation Techniques	

Managing the Test Team	
The Test Team	**Stakeholder Relationship**
Typical Skills within Four Areas of Competence	Cost of Quality
Analyze Required Test-Team Member Skills	Cost-benefit Relationship of Testing
Assessing Test Team Member Skills	
Developing Test Team Member Skills	
Management Skills Required to Manage a Test Team	

EXAM STRUCTURE

* 58 points or more;
** Only for participants taking the exam in a language other than their mother tongue;
*** Each correct answer equals 1 point.

50
Multiple-Choice Questions

2
Hours

66%*
Passing Score

+ 30
Minutes Additional Time

88*
Maximum Score

BUSINESS OUTCOMES

- Manage testing in various software development projects by applying test management processes established for the project team or test organization;
- Identify test stakeholders and software development lifecycle models that are relevant in a given context;
- Organize risk identification and risk assessment sessions within any software development lifecycle and use the results to guide testing to meet the test objectives;
- Define a project test strategy consistent with the organizational test strategy and project context; Continuously monitor and control testing to achieve project goals;
- Assess and report test progress to project stakeholders;
- Identify necessary skills and develop those skills within your team;
- Prepare and present a business case for testing in different contexts that outlines the costs and expected benefits;
- Lead test process improvement activities in projects or software development product streams and contribute to organizational test process improvement initiatives;
- Plan the test activities including the required test infrastructure and estimate the effort required to test;
- Create defect reports and a defect workflow suitable for a software development lifecycle.

For more information, please contact: exames@pstqb.pt

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Certified Tester
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