



ISTQB® Certified Tester Testing with Generative AI

The qualification is intended for anyone involved in using generative AI for software testing, including testers, test analysts, test automation engineers, test managers, user-acceptance testers and software developers. It is equally valuable to professionals who need a solid understanding of GenAI in testing—project managers, quality managers, software development managers, business analysts, IT directors and consultants.

To be eligible to undertake the AI Testing certification exam, candidates must first hold the ISTQB® Foundation Certificate.

CONTENTS

Introduction to GenAI for Software Testing	Prompt Engineering for Effective Software Testing	Managing Risks of GenAI in Software Testing Process	LLM-Powered Solutions for Software Testing	Deploying & Integrating GenAI in Test Organizations
GenAI Foundations & Key Concepts	Effective Prompt Development	Hallucinations, Reasoning Errors & Biases	Architectural Approaches for LLM-Powered Testing Solutions	Roadmap for Adoption of GenAI
Leveraging GenAI in Software Testing: Core Principles	Applying Prompt Engineering Techniques	Data Privacy & Security Risks	Fine-Tuning & LLMOps: Operationalizing GenAI	Manage Change when Adopting GenAI
	Evaluate GenAI Results & Refine Prompts	Energy Consumption & Environmental Impact of GenAI		
		AI Regulations, Standards & Best Practice Frameworks		

EXAM STRUCTURE

* 30 points or more;

** Only for participants taking the exam in a language other than their mother tongue;

*** Each correct answer equals 1 point.

40
Multiple-Choice
Questions

60
Minutes

65%*
Passing
Score

+ 15**
Minutes
Additional Time

46***
Maximum
Score

BUSINESS OUTCOMES

- Understand the fundamental concepts, capabilities, and limitations of generative AI;
- Develop practical skills in prompting large language models for software testing;
- Gain insight into the risks and mitigations of using generative AI for software testing;
- Gain insight into the applications of generative AI solutions for software testing;
- Contribute effectively to the definition and implementation of a generative AI strategy and roadmap for software testing within an organization.

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

