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[Home](#) > [My courses](#) > [S2-24\\_SEZG501](#) > [General](#) > [Quiz 2](#)

**Status** Finished**Started** Monday, 7 April 2025, 6:06 PM**Completed** Monday, 7 April 2025, 6:14 PM**Duration** 8 mins**Grade** 34.50 out of 40.00 (86.25%)**Question 1**

Partially correct

Mark 0.50 out of  
2.00

Match the **Developer's Life Cycle** phases with their corresponding **Tester's Life Cycle** phases in the V-Model.

High-Level Design

Acceptance Testing



System Requirement Specification

System Integration Testing



Low-Level Design

Component Testing



Business Requirement Specification

Unit Testing



Your answer is partially correct.

You have correctly selected 1.

The correct answer is: High-Level Design → Component Testing, System Requirement Specification → System Integration Testing, Low-Level Design → Unit Testing, Business Requirement Specification → Acceptance Testing



## Question 2

Correct

Mark 2.00 out of 2.00



As part of your organization's quality assurance process, you are implementing **walk-throughs** as defined by the **IEEE 1028 standard**. Your review leader is responsible for guiding team members through a document or code module to analyze its quality and usability. The team includes developers, designers, and users. No formal defect logging is required, but suggestions and feedback are encouraged.

**Which of the following statements correctly reflect the key purposes and characteristics of a software walk-through, as per IEEE 1028?**

**Please note:** Selecting even one incorrect option will result in **zero marks** for this question.

- ☒ a. Walk-throughs aim to help team members understand the product, consider alternative approaches, and identify usability improvements. ✓
- ☐ b. The walk-through process is highly structured and requires defect logging, formal entry and exit criteria, and approval signatures.
- ☐ c. A walk-through is primarily intended to identify defects and enforce coding standards through formal inspection roles and checklists.
- ☒ d. A key purpose of walk-throughs is to expose logic flaws and gather suggestions from participants with varied expertise. ✓
- ☒ e. Walk-throughs involve the author of the software product leading the review and encouraging feedback from peers. ✓

Your answer is correct.

The correct answers are: Walk-throughs aim to help team members understand the product, consider alternative approaches, and identify usability improvements., Walk-throughs involve the author of the software product leading the review and encouraging feedback from peers., A key purpose of walk-throughs is to expose logic flaws and gather suggestions from participants with varied expertise.



## Question 3

Correct

Mark 2.00 out of 2.00

During a desk-check review, what is the primary role of the checklist?

- ☐ a. To limit the number of reviewers involved in the review process
- ☒ b. To systematically verify critical elements and detect major defects ✓
- ☐ c. To replace the need for formal review meetings by automating corrections
- ☐ d. To ensure that minor spelling errors are corrected before submission

Your answer is correct.

The correct answer is: To systematically verify critical elements and detect major defects

## Question 4

Correct

Mark 2.00 out of 2.00

A

system accepts ages between **18 and 56**. A tester is using **Boundary Value Analysis (BVA)** to check edge cases. They have already tested **18, 19, 37, 55, and 56** as valid cases and **17 and 57** as invalid cases.

Which additional test case should be included to ensure a complete boundary analysis?

(Select all that apply)

- ☐ a. 20
- ☒ b. 16 ✓
- ☒ c. 58 ✓
- ☐ d. 56

Your answer is correct.

The correct answers are: 16, 58

## Question 5

Correct

Mark 2.00 out of 2.00



You're leading the quality assurance process for a banking application using the **V-Model** of software development. During the design review, your team discusses test planning and strategy. A junior team member challenges the need for test activities during early phases and questions the purpose of techniques like Boundary Value Analysis and black-box testing. You're asked to justify and align techniques with V-Model principles.

**Which of the following statements are valid and demonstrate a strong understanding of the V-Model and test design principles?**

**Please note:** Selecting even one incorrect option will result in **zero marks** for this question.

- ☐ a. V-Model allows you to skip test case development until the coding phase is complete, to avoid rework.
- ☐ b. Boundary Value Analysis is ideal during unit testing to test how code handles edge input conditions.
- ☒ c. Black-box testing focuses on functionality from the user's perspective and is suitable for acceptance testing ✓
- ☒ d. In the V-Model, test design and verification activities begin in parallel with development planning phases. ✓
- ☒ e. A test suite may include both functional and non-functional test scripts, grouped logically for coverage. ✓

Your answer is correct.

The correct answers are: Black-box testing focuses on functionality from the user's perspective and is suitable for acceptance testing, In the V-Model, test design and verification activities begin in parallel with development planning phases., A test suite may include both functional and non-functional test scripts, grouped logically for coverage.

## Question 6

Incorrect

Mark 0.00 out of  
2.00

A test manager is estimating the effort required for testing a large banking application. The application consists of multiple modules with varying levels of complexity. Which of the following estimation techniques would be the most effective approach to ensure accurate effort estimation? (Select two correct answers. ( Selecting Wrong answers will result in zero marks.)

- ☐ a. Percentage-Based Distribution
- ☒ b. Functional Point Analysis (FPA) ✓
- ☒ c. 3-Point Estimation ✗
- ☒ d. Work Breakdown Structure (WBS) ✓

Your answer is incorrect.

The correct answers are: Work Breakdown Structure (WBS), Functional Point Analysis (FPA)

## Question 7

Incorrect

Mark 0.00 out of  
2.00

You're mentoring a group of new testers working on a date validation module. You ask them to design test cases using **Boundary Value Analysis** and **Equivalence Class Testing** techniques. One tester incorrectly suggests that all input combinations should be tested for boundary values, while another confuses black-box with white-box testing.



**Which of the following statements are correct based on your understanding of the testing techniques discussed?**

**Please note:** Selecting even one incorrect option will result in **zero marks** for this question.

- ☐ a. Strong robust equivalence class testing aims to reduce redundancy by only selecting valid test cases.
- ☒ b. Boundary Value Analysis (BVA) focuses on input values near the minimum and maximum boundaries. ✓
- ☒ c. White-box testing is based on the structure and logic of the code and is used to verify internal paths. ✗
- ☒ d. Weak normal equivalence class testing is based on the single fault assumption and selects one representative from each class ✓
- ☒ e. Black-box testing requires no knowledge of internal code and focuses on inputs and expected outputs. ✓

Your answer is incorrect.

The correct answers are: Weak normal equivalence class testing is based on the single fault assumption and selects one representative from each class, Black-box testing requires no knowledge of internal code and focuses on inputs and expected outputs., Boundary Value Analysis (BVA) focuses on input values near the minimum and maximum boundaries.

## Question 8

Correct

Mark 2.00 out of 2.00

Which of the following models splits testing into **design** and **execution** phases?

- ☐ a. Waterfall Model
- ☐ b. Agile Model
- ☐ c. Spiral Model
- ☒ d. V-Model ✓

Your answer is correct.

The correct answer is: V-Model

## Question 9

Correct

Mark 2.00 out of 2.00

Which of the following statements is true about checklists in Desk-Check Reviews?

- ☐ a. They are not versioned as they rarely change.
- ☐ b. They are used exclusively for spelling and minor errors.
- ☒ c. They should not exceed one page to ensure usability. ✓
- ☐ d. They should contain unlimited criteria to be comprehensive.



Your answer is correct.

The correct answer is: They should not exceed one page to ensure usability.

## Question 10

Correct

Mark 2.00 out of 2.00

System testing should always be conducted by the same development team that built the software to ensure consistency.

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

## Question 11

Correct

Mark 2.00 out of 2.00

A software team is preparing a test plan for a critical healthcare monitoring system. Given the high risks involved, which of the following factors should be prioritized in the test planning phase? (Select two correct answers. ⚠ Selecting more than two answers will result in zero marks.)

- ☐ a. Using minimal testing since healthcare software is already regulated
- ☒ b. Identifying test case sources and execution methods ✓
- ☒ c. Selecting the highest software quality standard ✓
- ☐ d. Prioritizing execution speed over accuracy

Your answer is correct.

The correct answers are: Identifying test case sources and execution methods ,  
Selecting the highest software quality standard

## Question 12

Correct

Mark 2.00 out of 2.00

Match each type of software audit with its primary purpose.



Project Audit	Evaluates project progress against approved plans and identifies risks	✓
Compliance Audit	Verifies adherence to a specific model or framework like ISO 9001 or CMMI	✓
Internal Audit	Conducted by an organization on itself to improve internal processes	✓
External Audit	Conducted by regulators or certification bodies to ensure compliance with industry standards	✓

Your answer is correct.

The correct answer is: Project Audit → Evaluates project progress against approved plans and identifies risks, Compliance Audit → Verifies adherence to a specific model or framework like ISO 9001 or CMMI, Internal Audit → Conducted by an organization on itself to improve internal processes, External Audit → Conducted by regulators or certification bodies to ensure compliance with industry standards

## Question 13

Correct

Mark 2.00 out of 2.00

Which of the following skills are essential for a software tester to effectively perform their role? (Select three correct answers. ⚠ Selecting Wrong answers will result in zero marks.)

- ☒ a. Ability to interact with engineering teams and clients ✓
- ☒ b. Knowledge of testing standards, principles, and quality issues. ✓
- ☒ c. Designing test cases and executing test strategies ✓
- ☐ d. Debugging and repairing source code

Your answer is correct.

The correct answers are: Ability to interact with engineering teams and clients, Designing test cases and executing test strategies, Knowledge of testing standards, principles, and quality issues.

## Question 14

Correct

Mark 2.00 out of 2.00

What is the primary purpose of a Desk-Check Review?

- ☒ a. An informal review where an individual reviewer uses a checklist. ✓
- ☐ b. An automated code review using static analysis.
- ☐ c. A standardized review as per IEEE 1028-2008.
- ☐ d. A formal review conducted by external auditors.



Your answer is correct.

The correct answer is: An informal review where an individual reviewer uses a checklist.

## Question 15

Correct

Mark 2.00 out of 2.00

Which of the following factors are important in selecting the type of software audit to conduct? (Select two correct answers. (Selecting wrong answer/s will result in zero marks.)

- ☐ a. The preference of the development team regarding audits.
- ☒ b. The complexity and criticality of the software. ✓
- ☒ c. The risk associated with the software being developed. ✓
- ☐ d. The salary of the software developers

Your answer is correct.

The correct answers are: The risk associated with the software being developed., The complexity and criticality of the software.

## Question 16

Correct

Mark 2.00 out of 2.00

Which of the following checklist practices help improve the effectiveness of software reviews? (Selecting wrong answers will result in zero marks.)

- ☐ a. Include only high-level questions without specific checks
- ☒ b. Verify critical elements in-depth instead of focusing on minor issues ✓
- ☐ c. Use the same checklist for all types of software documents
- ☒ d. Update the checklist periodically to reflect process improvements ✓



Your answer is correct.

The correct answers are: Update the checklist periodically to reflect process improvements, Verify critical elements in-depth instead of focusing on minor issues



## Question 17

Correct

Mark 2.00 out of 2.00

A software development team is structuring its testing documentation to improve defect tracking and validation. Which of the following are key test artifacts used in software testing? (Select two correct answers. ⚠ Selecting more than two answers will result in zero marks.)

- ☒ a. Test suite ✓
- ☐ b. Deployment checklist
- ☐ c. Development roadmap
- ☒ d. Test case ✓

Your answer is correct.

The correct answers are: Test case, Test suite

## Question 18

Correct

Mark 2.00 out of 2.00

As the lead of the system testing team in a safety-critical project (e.g., medical monitoring software), you are tasked with aligning the testing strategy to both industry standards and organizational practices. Your responsibility includes justifying the test documentation strategy, integrating automation effectively, and ensuring the timing of validation steps is optimal. During a project audit, the following statements are discussed by team members and stakeholders. You are required to assess their correctness in the context of professional system testing practices. Which of the following statements are accurate and demonstrate a comprehensive understanding of system testing principles? Please note: Selecting even one incorrect option will result in zero marks for this question.

- ☒ a. Automated testing plays a vital role in regression testing by enabling faster re-execution and reducing human error. ✓
- ☒ b. The test summary report (TSR) may be initiated early to outline test objectives and later updated with actual results after execution. ✓
- ☐ c. The independence of the system testing team guarantees the elimination of all developer influence and removes the need for collaboration.
- ☒ d. Re-testing is used after test execution to validate corrections and ensure previously identified issues are resolved. ✓
- ☐ e. The software test description (STD) focuses only on test data design and does not include procedural execution details.

Your answer is correct.

The correct answers are: The test summary report (TSR) may be initiated early to outline test objectives and later updated with actual results after execution., Automated testing plays a vital role in regression testing by enabling faster re-execution and reducing human error., Re-testing is used after test execution to validate corrections and ensure previously identified issues are resolved.

## Question 19

Correct

Mark 2.00 out of 2.00

A software development team aims to **detect defects early** in the development life cycle, before execution. The focus is on **static verification techniques** rather than dynamic testing methods.

Which of the following techniques are **best suited** for this purpose?

- ☐ a. Boundary Value Analysis (BVA)
- ☐ b. Equivalence Class Partitioning
- ☒ c. Code Inspections ✓
- ☒ d. Walkthrough ✓

Your answer is correct.

The correct answers are: Walkthrough, Code Inspections

## Question 20

Correct

Mark 2.00 out of 2.00

Match the software testing concept with its role in the testing.

Test Plan

Defines scope, strategy, schedule, and resources for testing



Independent Test Team

Ensures an unbiased testing approach by separating the test and development teams



Test Execution Process

Systematic process of executing test cases to validate software functionality



System Testing

Conducted after unit and integration testing to evaluate system compliance



Your answer is correct.

The correct answer is: Test Plan → Defines scope, strategy, schedule, and resources for testing, Independent Test Team → Ensures an unbiased testing approach by separating the test and development teams, Test Execution Process → Systematic process of executing test cases to validate software functionality, System Testing → Conducted after unit and integration testing to evaluate system compliance

[← Previous](#)[Quiz 1](#)[Next →](#)[Session 1 19.01.2024](#)

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