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⌂ > My courses > S1-24_SEZG501 > General > Quiz 3

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Marks	30.00/30.00
Grade	**5.00** out of 5.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

Q30: Which of the following is typically tested during integration testing?

- ◯ a.   Individual function calls
- ◯ b.   System hardware performance
- ◯ c.   Security vulnerabilities
- ◉ d.   Interfaces between modules ⊘

The correct answer is: Interfaces between modules

Question 2

Correct

Mark 1.00 out of 1.00

Q18: Which of the following is a key software quality factor as defined by ISO 9126?

- ◯ a.   Program complexity
- ◉ b.   Usability ⊘
- ◯ c.   Number of test cases
- ◯ d.   Code length

The correct answer is: Usability

Question **3**

Correct

Mark 1.00 out of 1.00

Q6: Which of the following actions best contributes to a strong quality culture?

- ○ a.   Focusing solely on customer feedback for quality improvements.
- ◉ b.   Encouraging developers and testers to collaborate and share responsibility for quality. ✓
- ○ c.   Frequent and rigid testing after product release.
- ○ d.   Outsourcing quality assurance to external vendors.

The correct answer is: Encouraging developers and testers to collaborate and share responsibility for quality.

Question **4**

Correct

Mark 1.00 out of 1.00

Q23: Boundary Value Analysis is a technique primarily used to:

- ○ a.   Test the system's security under attack.
- ○ b.   Test system performance under load.
- ○ c.   Check the compatibility of the system with other applications.
- ◉ d.   Test the boundaries of input values to identify potential errors. ✓

The correct answer is: Test the boundaries of input values to identify potential errors.

Question **5**

Correct

Mark 1.00 out of 1.00

Q29: The main objective of integration testing is to:

- ○ a.   Conduct performance testing of the entire system.
- ○ b.   Validate user interactions with the system.
- ◉ c.   Verify that integrated components of the system work together as expected. ✓
- ○ d.   Test individual units or components.

The correct answer is: Verify that integrated components of the system work together as expected.

Question 6

Correct

Mark 1.00 out of
1.00

Q14: ISO 9001 certification ensures that a company:

○ a. Has the best testing team available.

○ b. Uses agile practices effectively.

◉ c. Has implemented a quality management system in its processes. ⊘

○ d. Follows specific software coding standards.

The correct answer is: Has implemented a quality management system in its processes.

Question 7

Correct

Mark 1.00 out of
1.00

Q28: Which of the following tools is commonly used for unit testing in Java?

○ a. Selenium

◉ b. JUnit ⊘

○ c. TestComplete

○ d. LoadRunner

The correct answer is: JUnit

Question 8

Correct

Mark 1.00 out of
1.00

Q27: Unit testing is primarily concerned with testing:

○ a. User interfaces.

○ b. Entire system functionality.

◉ c. Individual components or units of the software. ⊘

○ d. System integration.

The correct answer is: Individual components or units of the software.

Question 9

Correct

Mark 1.00 out of 1.00

Q11: What is ITIL in the context of software quality assurance?

- ○ a. A methodology for managing project risk.
- ○ b. A model for managing test cases and test environments.
- ◉ c. A framework for IT service management that ensures quality in IT services. ⊘
- ○ d. A programming language used for system testing.

The correct answer is: A framework for IT service management that ensures quality in IT services.

Question 10

Correct

Mark 1.00 out of 1.00

Q13: Which of the following is true about ISO 9001 in relation to software quality assurance?

- ◉ a. It sets criteria for establishing a quality management system across processes. ⊘
- ○ b. It only applies to hardware manufacturing industries.
- ○ c. It is a certification for measuring the quality of software code.
- ○ d. It provides a framework for improving software design only.

The correct answer is: It sets criteria for establishing a quality management system across processes.

Question 11

Correct

Mark 1.00 out of 1.00

Q15: The Capability Maturity Model Integration (CMMI) is primarily concerned with:

- ◉ a. Process improvement and organizational development. ⊘
- ○ b. Code optimization for performance.
- ○ c. Hardware testing standards.
- ○ d. Defect detection during software release.

The correct answer is: Process improvement and organizational development.

Question 12

Correct

Mark 1.00 out of 1.00

Q9: Which of the following is a widely recognized model for assessing software quality?

- ⦿ a.   The SEI CMMI ⊘
- ○ b.   The Agile Manifesto
- ○ c.   The V-Model
- ○ d.   The Waterfall Model

The correct answer is: The SEI CMMI

Question 13

Correct

Mark 1.00 out of 1.00

Q10: The ISO 9126 quality model is primarily focused on:

- ○ a.   Continuous integration strategies.
- ○ b.   Process improvement.
- ○ c.   Measurement of project management processes.
- ⦿ d.   Defining the product's functional and non-functional attributes. ⊘

The correct answer is:
Defining the product's functional and non-functional attributes.

Question 14

Correct

Mark 1.00 out of 1.00

Q19: In black-box testing, the tester:

- ⦿ a.   Tests based on the software's functionality and user requirements. ⊘
- ○ b.   Looks for memory leaks and performance issues.
- ○ c.   Focuses on the internal workings of the software.
- ○ d.   Requires knowledge of the system's source code.

The correct answer is:
Tests based on the software's functionality and user requirements.

Question 15

Correct

Mark 1.00 out of
1.00

Q5: A "quality culture" in a software development organization is best described as:

- ⦿ a. An environment where everyone takes responsibility for the quality of the product. ✓
- ○ b. Focusing on defect detection after the product is released.
- ○ c. An emphasis on increasing budget for quality assurance.
- ○ d. An organization where only testers are responsible for quality.

The correct answer is: An environment where everyone takes responsibility for the quality of the product.

Question 16

Correct

Mark 1.00 out of
1.00

Q22: A primary goal of white-box testing is to:

- ⦿ a. Test all paths and branches in the code for correctness. ✓
- ○ b. Ensure the software meets user requirements.
- ○ c. Verify the system integration.
- ○ d. Check the usability of the software.

The correct answer is: Test all paths and branches in the code for correctness.

Question 17

Correct

Mark 1.00 out of
1.00

Q25: Equivalence Partitioning is a testing technique that:

- ○ a. Focuses only on boundary conditions.
- ○ b. Tests the system's performance under different loads.
- ○ c. Verifies system output against expected results.
- ⦿ d. Divides input data into partitions that can be treated the same. ✓

The correct answer is: Divides input data into partitions that can be treated the same.

Question 18

Correct

Mark 1.00 out of 1.00

Q2: Which of the following best describes the focus of Quality Control in software testing?

- ○ a.   Improving communication among stakeholders.
- ○ b.   Monitoring the quality of the process.
- ○ c.   Preventing defects in the process.
- ◉ d.   Ensuring the product is defect-free after development. ⊘

The correct answer is: Ensuring the product is defect-free after development.

Question 19

Correct

Mark 1.00 out of 1.00

Q20: Black-box testing primarily evaluates:

- ◉ a.   Functional behavior of the application. ⊘
- ○ b.   System integration and deployment issues.
- ○ c.   Code quality and structure.
- ○ d.   Internal logic and flow of the application.

The correct answer is: Functional behavior of the application.

Question 20

Correct

Mark 1.00 out of 1.00

Q7: The role of Software Quality Assurance (SQA) in the software development life cycle is primarily to:

- ◉ a.   Ensure that quality standards are met at every phase of development. ⊘
- ○ b.   Detect defects only during the testing phase.
- ○ c.   Focus on post-release defect management.
- ○ d.   Write the final test scripts for the product.

The correct answer is: Ensure that quality standards are met at every phase of development.

Question 21

Correct

Mark 1.00 out of 1.00

Q24: In boundary value analysis, which of the following is an example of a boundary value test case for an input range of 1 to 10?

- a. 5 and 6
- b. 0 and 10
- c. 0 and 11 ✓
- d. 2 and 9

The correct answer is: 0 and 11

Question 22

Correct

Mark 1.00 out of 1.00

Q3: What does the term "Cost of Quality" refer to?

- a. The cost of training testers and developers.
- b. The total cost of software development.
- c. The cost associated with preventing defects and correcting them. ✓
- d. The overall budget for quality assurance in the project.

The correct answer is: The cost associated with preventing defects and correcting them.

Question 23

Correct

Mark 1.00 out of 1.00

Q21: White-box testing involves:

- a. Validating the system's output against expected results.
- b. Testing without any knowledge of the internal code structure.
- c. Testing the software's internal code and logic. ✓
- d. Testing based on requirements and specifications.

The correct answer is:
Testing the software's internal code and logic.

Question 24

Correct

Mark 1.00 out of 1.00

Q4: Which of the following is included in the "Cost of Quality"?

○ a.   Marketing costs

◉ b.   Costs of rework and defect correction ✓

○ c.   Costs for customer support

○ d.   Costs for software documentation

The correct answer is: Costs of rework and defect correction

Question 25

Correct

Mark 1.00 out of 1.00

Q26: In equivalence partitioning, which of the following is an invalid equivalence class for an age input field that accepts values between 18 and 60?

○ a.   18

◉ b.   61 ✓

○ c.   25

○ d.   59

The correct answer is: 61

Question 26

Correct

Mark 1.00 out of 1.00

Q1: What is the primary difference between Quality Assurance and Quality Control in software development?

○ a.   Quality Assurance is a part of Quality Control.

○ b.   Quality Assurance is the responsibility of the testing team, while Quality Control is for developers.

○ c.   Quality Control ensures process improvement while Quality Assurance ensures defect detection.

◉ d.   Quality Assurance focuses on process improvement while Quality Control focuses on defect detection. ✓

The correct answer is: Quality Assurance focuses on process improvement while Quality Control focuses on defect detection.

Question 27

Correct

Mark 1.00 out of 1.00

Q16: Which of the following is the first level of the CMMI maturity model?

- ○ a. Defined
- ◉ b. Initial ✓
- ○ c. Optimizing
- ○ d. Managed

The correct answer is: Initial

Question 28

Correct

Mark 1.00 out of 1.00

Q8: Which phase of the software development life cycle does SQA participate in?

- ○ a. Only in software maintenance.
- ◉ b. From requirements gathering to maintenance. ✓
- ○ c. Only in the testing phase.
- ○ d. Only in system deployment.

The correct answer is: From requirements gathering to maintenance.

Question 29

Correct

Mark 1.00 out of 1.00

Q12: In ITIL, which process ensures the quality of IT services delivered to customers?

- ○ a. Incident Management
- ◉ b. Service Level Management ✓
- ○ c. Service Design
- ○ d. Service Transition

The correct answer is: Service Level Management

Question **30**

Correct

Mark 1.00 out of 1.00

Q17: Which of the following is considered a non-functional quality factor in software?

  ○ a.   Test case coverage

  ○ b.   Code readability

  ○ c.   User documentation

  ◉ d.   Security ⊘

The correct answer is: Security

← **Previous**
   Quiz 2

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