Quizlet

NAME _____

5 Written questions

1. The degree to which a component, system, or process meets specified requirements and/or user/customer needs and expectations. [IEEE 610 definition]

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2. A high-level document describing the principles, approach, and major objectives of the organization regarding testing.

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3. A flaw in a component or system that can cause the component or system to fail to perform its required function, e.g. an incorrect statement or data definition. If encountered during execution, may cause a failure of the component or system.

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4. A software testing technique that divides the input data of a software unit into partitions of data from which test cases can be derived. In principle, test cases are designed to cover each partition at least once. This technique tries to define test cases that uncover classes of errors, thereby reducing the total number of test cases that must be developed. An advantage of this approach is reduction in the time required for testing software due to lesser number of test cases.

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5. Testing of a previously tested program following modification to ensure that defects have not been introduced or uncovered in unchanged areas of the software as a result of the changes made. It is performed when the software or its environment has been changed.

_____

5 Matching questions

1. _____ Failure

2. _____ Requirement

3. _____ Test Coverage

4. _____ Error

5. _____ Fault

A. See Coverage.

B. See Defect.

C. A human action that produces an incorrect result. [IEEE 610 definition]

D. Deviation of the component or system from its expected delivery, service, or results.

E. A condition or capability needed by a user to solve a problem or achieve an objective that must be met or possessed by a system or system component to satisfy a contract, standard, specification, or other formally imposed document. [IEEE 610]

5 Multiple choice questions

1. An evaluation of a product or project status to ascertain discrepancies from planned results and to recommend improvements. Examples include management, informal, technical, inspection, and walkthrough. [IEEE 1028]

A. Risk

B. Review

C. Testing

D. Defect

2. Testing that runs test cases that failed the last time they were run, in order to verify the success of corrective actions.

A. Debugging

B. Testing

C. Test Log

D. Re-testing

3. A test design technique where the experience of the tester is used to anticipate what defects to those already in the component or system under test as a result of errors made, and to design tests specifically to expose them.

A. Re-testing

B. Error

C. Error Guessing

D. Testing

4. A special type of test basis where the document can only be amended through the use of a formal amendment procedure.

A. Frozen Test Basis

B. Test Log

C. Test Plan

D. Test Data

5. See Re-testing.

A. Regression Testing

B. Coverage

C. Requirement

D. Confirmation Testing

5 True/False questions

1. Data that exists (for example in a database) before a test is executed, and that affects or is affected by the component or system under test. → Test Case

- ◯ True
- ◯ False

2. Artifacts produced during the test process required to plan, design, and execute test, such as documentation, scripts, inputs, expected results, set-up and clear-up procedures, files, databases, environment, and any additional software or utilities used in testing. [After Fewster and Graham] → Test Case

- ◯ True
- ◯ False

3. A chronological record of relevant details about the execution of tests. [IEEE 829] → Test Plan

- True
- False

4. A document describing the scope, approach, resources, and schedule of intended test activities. It identifies, amongst others, test items, the features to be tested, the testing tasks, who will do each task, the degree of tester independence, the test environment, the test design techniques, the entry and exit criteria to be used and the rational for their choice, and any risks requiring contingency planning. It is a record of the test-planning process. [After IEEE 829] → Test Log

- True
- False

5. The process of finding, analyzing, and removing the causes of failures in software. → Debugging

- True
- False