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QUESTION 1

How are statement testing and decision testing techniques similar?

- A. Both are specification-based testing techniques
- B. Both are experience-based testing techniques
- C. Both are structure-based testing techniques
- D. Both are black box test design techniques

Correct Answer: C

QUESTION 2

Which of the following test techniques is structure-based?

- A. Control flow testing
- B. Use case testing
- C. State transition testing
- D. Decision table testing

Correct Answer: D

QUESTION 3

Why might a RAD approach be a better option for the test manager rather than a sequential development?

- A. It will extend the development team's abilities and enhance future delivery capabilities.
- B. It will allow the marketing, clerical and testing staff to validate and verify the early screen prototypes.
- C. Time-box constraints will guarantee code releases are delivered on schedule.
- D. More time can be spent on test execution as less formal documentation is required.

Correct Answer: B

QUESTION 4

Which of the following statements is true?

- A. 100% branch coverage means 100% statement coverage.
- B. 100% statement coverage means 100% branch coverage.

C. 100% branch coverage means 100% statement coverage and vice-versa.

D. It is impossible to achieve 100% statement coverage.

Correct Answer: A

QUESTION 5

One of the exit criteria for a SW project was defined as "80% statement coverage".

A test manager submitted the following report:

"We did not measure the statement coverage. However, we ensured 80% branch coverage, therefore the exit criteria was met".

Is the test manager right?

A. No. There is not direct relationship. 80% branch coverage does not guarantee 80% statement coverage.

B. Yes. 50% branch coverage guarantees 100% statement coverage. With 80% branch coverage, the exit criteria is easily met.

C. No. The relation works the other way. 80% statement coverage guarantees 80% branch coverage

D. Yes. Coverage of 80% of the branches in the control flow guarantees 80% statement coverage.

Correct Answer: A

QUESTION 6

Which of the following are correct tasks during "Test analysis and design"?

A. Designing and prioritizing test cases

II. Identifying any required infrastructure and tools

III. Reviewing the test basis

IV. Creating test data and preparing test harnesses

B. Writing automated test scripts

C. II, III, IV, V

D. I, II, III, IV

E. I, II, III

F. I, II

Correct Answer: B

QUESTION 7

Which of the following BEST defines static techniques? [K1]

- A. Executing the software work product
- B. Manually examining the code or project documentation
- C. Automated analysis of the code or project documentation
- D. Manual examination and automated analysis of code or project documentation

Correct Answer: D

QUESTION 8

Which of the following lists represents the correct sequence of the main activities of the fundamental test process (leaving out the activity of control which should take place in parallel to all the other activities)?

- A. Planning, analysis and reporting, design and implementation, execution, test closure activities, evaluating exit criteria
- B. Planning, analysis and design, implementation and execution, evaluating exit criteria and reporting, test closure activities
- C. Planning, analysis and design, execution, logging and reporting, regression testing
- D. Planning, analysis, design and implementation, execution, logging, test closure activities, evaluating exit criteria

Correct Answer: B

QUESTION 9

Which of the following accurately defines the integration testing test level? [K2]

- A. Test basis includes software and system design, test objects include interfaces, and tests concentrate on the interactions between different parts of a system
- B. Test basis includes component requirements, test objects include database modules, and tests concentrate on the behaviour of the system as a whole.
- C. Test basis includes business processes, test objects include system configuration and configuration data, and tests concentrate on establishing confidence in the system
- D. Test basis includes use cases, test objects include user procedures and tests concentrate on a high level model of system behaviour

Correct Answer: A

QUESTION 10

Which of the following metrics is from the test design phase?

- A. Number of test cases run/not run
- B. Number of defects found and fix
- C. Percentage of test conditions covered by test cases
- D. Subjective confidence of testers in the system under test

Correct Answer: B

QUESTION 11

Which of the following statements is correct?

- A. Because independence of testers enhanced quality and improves testing, test planning should not take into account constraints from the development team.
- B. Since test planning is influenced by the developers work, test planning should not start before the entire project plan of the development team is available
- C. Test planning is an activity that is only performed at the very beginning of the project
- D. Test planning is influenced by, among others, the scope of testing, the risks and the availability of resources.

Correct Answer: A

QUESTION 12

A software company adopts the V-model as their development life cycle. Which of the following contains roles of a tester in this company?

- A. Decide what should be automated, to what degree, and how
- B. Review test plans and set up test environments
- C. Coordinate the test strategy with the project managers
- D. Introduce suitable metrics to measure the testing progress

Correct Answer: B

QUESTION 13

What is the purpose of a test completion criterion?

- A. to know when a specific test has finished its execution
- B. to ensure that the test case specification is complete

C. to set the criteria used in generating test inputs

D. to determine when to stop testing

Correct Answer: B

QUESTION 14

Which of the following are valid test objectives?

(i)

Finding defects.

(ii)

Gaining confidence about the level of quality and providing information.

(iii) Preventing defects.

(iv)

Debugging the code.

A.

i, ii and iii

B.

i, ii and iv

C.

ii and iii

D.

i and iv

Correct Answer: A

QUESTION 15

Consider the following pseudo code:

```
1 Begin
2 Read Time
3 If Time = 12 Then
4   Print(Time - 12, "pm")
5 Endif
6 If Time = 12 Then
7   Print(Time, "noon")
8 Endif
9 End
```

If the test cases Time = 11 and Time = 15 were input, what level of decision coverage would be achieved?

A. 100% or 6/6

B. 50% or 3/6

C. 67% or 4/6

D. 83% or 5/6

Correct Answer: D

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