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BCS ISEB-SWT2

Version Demo

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QUESTION NO: 1

Independent Verification & Validation is:

A. Done by the Developer

B. Done by the Test Engineers

C. Done By Management

D. Done by an Entity Outside the Project's sphere of influence

ANSWER: D

QUESTION NO: 2

Which is not the fundamental test process?

A. Planning and control

B. Test closure activities

C. Analysis and design

D. None

ANSWER: D

QUESTION NO: 3

In a system designed to work out the employee tax to be paid:

_ An employee has $4,000 of salary tax free.

_ The next $1,500 is taxed at 10%.

_ The next $28,000 after that is taxed at 22%.

_ Any further amount is taxed at 40%.

Which of these is a valid Boundary Value Analysis test case?

A. $28,000
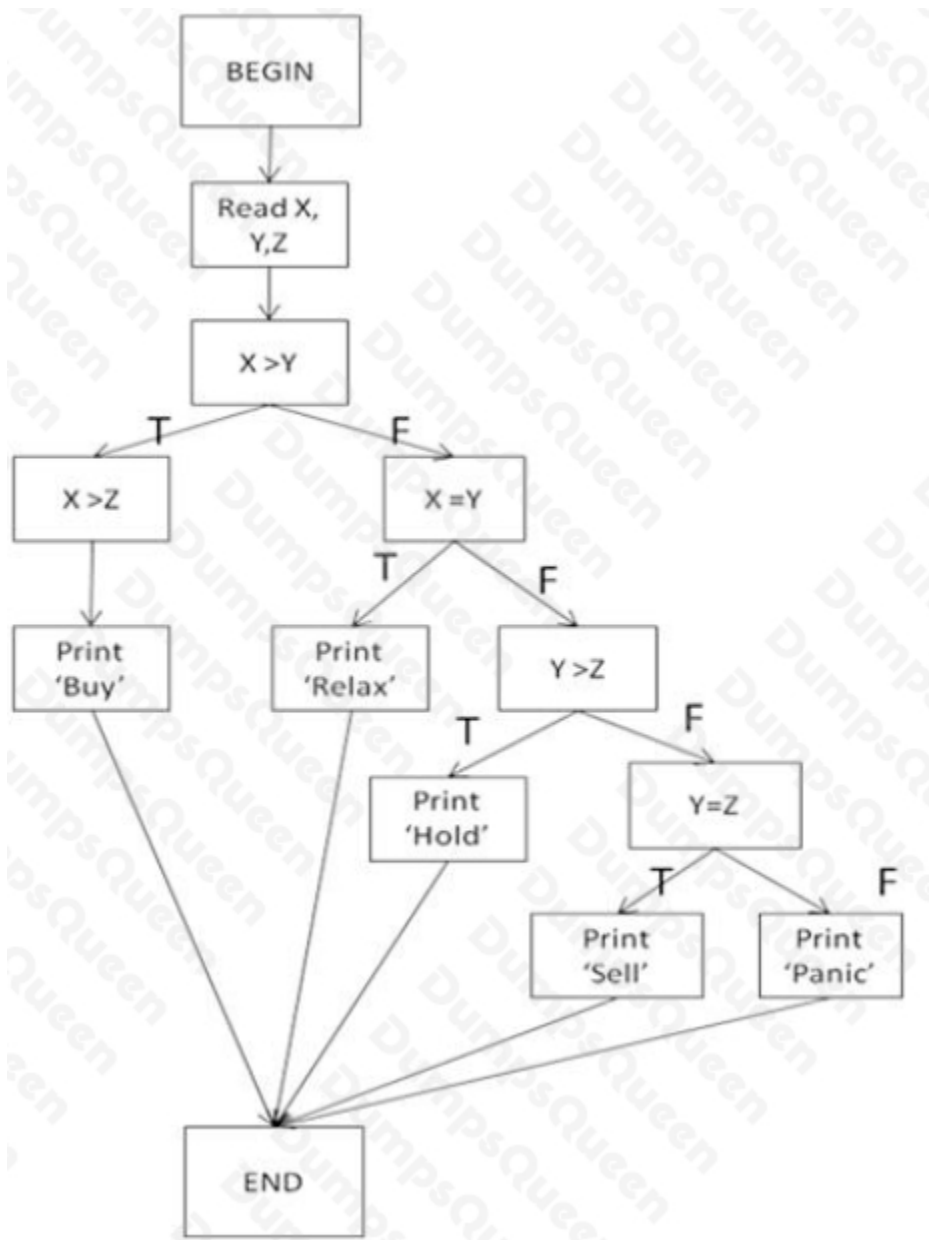
B. $1,500

C. $33,501

D. $5,000

ANSWER: C

Which of the following test cases will ensure that the statement 'Print 'Hold'' is exercised? [K3]

Refer to the exhibit

A. X=2, Y=2, Z=2

B. X=2, Y=3, Z=4

C. X=2, Y=4, Z=3

D. X=4, Y=3, Z=2

ANSWER: C

QUESTION NO: 5

Which of the following would be the TWO most appropriate examples of entry criteria documented in the system integration test plan? 2 credits

A. The percentage of decision coverage achieved during unit testing.

B. The availability of the latest version of the capture-replay tool (for testing the interface with the newly developed test management tool).

C. The sign-off of a performance test software release note (test item transmittal report) by both development and testing showing that system performance meets the specified acceptance criteria.

D. The percentage of acceptance test procedures scheduled for execution.

E. The percentage of requirements coverage achieved during system integration test.

ANSWER: A B

QUESTION NO: 6

Instead of having an independent test team within the company, the company is considering to outsource testing. What are THREE key challenges that are typical for outsourcing? 1 credit

A. Test environment more complex

B. Define expectation for tasks and deliverables

C. Clear channels of communications

D. Possibly different cultures

E. Testing of non-functional requirements

F. Audit trail from requirements to test cases

G. Applying test automation

ANSWER: B C D

QUESTION NO: 7

The introduction of reviews and inspections has often failed as a process improvement action. Identify the THREE most important measures that should be taken to reduce the risk that this test process improvement will fail. 2 Credits (for 2 out of 3 correct 1 credit)

A. Process ownership and experienced moderators who drive the inspection process.

B. Management support

C. Training of those involved

D. The availability of stands and processes

E. Usage of a more traditional software development lifecycle

F. Alignment with software process improvement

G. Using a reference model, e.g. TMMi

ANSWER: A B C

QUESTION NO: 8

Identify the THREE types of formal peer reviews that can be recognized. 1 credit

A. Inspection

B. Management review

C. Walkthrough

D. Audit

E. Technical review

F. Informal review

G. Assessment

ANSWER: A C E

QUESTION NO: 9

Model characteristics:

Which THREE of the below mentioned characteristics relate to TMMi? 1 credit

A. 5 maturity levels

B. Focussed on higher level testing

C. 20 key areas

D. Highly related to CMMI

E. Continuous model

F. Staged model

G. Focussed on component and integration testing

H. Is build around 12 critical testing processes

ANSWER: A D F

QUESTION NO: 10

Which of the following characteristics is most likely to promote effective software testing? [K1]

A. Independence from the production process

B. A belief that programmers always make mistakes

C. Knowledge of the number of defects typically found in a program

D. Confidence that the next stage will find defects missed at this stage

ANSWER: A

QUESTION NO: 11

Identify THREE items that would be part of the work-breakdown structure showing the key testing activities for the acceptance test project. 2 credits (for 2 out of 3 correct 1 credit)

A. Test planning, test case preparation and test execution for each of the four iterations

B. Work should be explicitly allocated to test completion, test management, installation and to training on using the system

C. Activities to deploy the system in the user environment

D. Regression testing in the second, third and fourth iterations

E. Development activities for unit and integration testing

F. Reviews on requirements documentation

G. Defining test environment requirements for system testing

ANSWER: A B D

QUESTION NO: 12

Which TWO of the review types below are the BEST fitted (most adequate) options to choose for reviewing safety critical components in a software project? Select 2 options.

A. Informal review.

B. Management review.

C. Inspection.

D. Walkthrough

E. Technical Review

ANSWER: C E

QUESTION NO: 13

What other details should be included in the following incident report when it is first submitted?

Date of Issue: 23/11/05

Severity: P1

Build: Version15.6

Details: Expected field to be limited to 15 chars, able to enter 27

A. Suggested solution, priority and number of defects assigned to this developer.

B. Status of the incident, degree of impact, Test Case Number.

C. History, related defects and expected fix time.

D. Line of code, number of defects found, time of day.

ANSWER: B

QUESTION NO: 14

Which of the following type of defect would NOT be typically found by using a static analysis tool?

A. A variable is defined but is then not used

B. A variable is used in a calculation before it is defined

C. A variable has the wrong numeric value passed into it

D. A variable is used but not declared

ANSWER: C

QUESTION NO: 15

Which of the following options describe the causal chain in the correct sequence?

A. Error, fault, failure

B. Fault, bug, mistake

C. Mistake, failure, fault

D. Failure, bug, error

ANSWER: A