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Exam : **BH0-010**

Title : BCS Certified Tester Foundation Level 2011 syllabus

Version : Demo

1.Given the following sample of pseudo code:
01 Input number of male rabbits
02 Input number of female rabbits
03 If male rabbits > 0 and female rabbits > 0 then
04 Input Do you want to breed (Yes / No)
05 If breed = No
06 Print deep male and female rabbits apart
07 End if
08 End If.
Which of the following test cases will ensure that statement 6 is executed?
A. male rabbits = 1, female rabbits = 1, breed = Yes
B. male rabbits = 1, female rabbits = 1, breed = No
C. male rabbits = 1, female rabbits = 2, breed = Yes
D. male rabbits = 1, female rabbits = 0, breed = No
Answer: B

2.In which activity of the Fundamental Test Process is the test environment set up.
A. Test implementation and execution.
B. Test planning and control
C. Test analysis and design
D. Evaluating exit criteria and reporting
Answer: A

3.Given the following decision table:

	Rule 1	Rule 2	Rule 3	Rule 4
Conditions				
Age	<21 yrs	21 - 29 yrs	30 – 50yrs	>50 yrs
Insurance Class	A	A or B	B, C or D	C or D
Actions				
Premium	£100	£90	£70	£70
Excess	£2,500	£2,500	£500	£1,000

Which of the following test cases and expected results is VALID?
A. 23 year old in insurance class A Premium is 90 and excess is 2,500.
B. 51 year old in insurance class C Premium is 70 and excess is 500.
C. 31 year old in insurance class B Premium is 90 and excess is 2,500.
D. 43 year old in insurance class C Premium is 70 and excess is 1,000
Answer: A

4.Which of the following are characteristic of test management tools?
a) They support traceability of tests to source documents.
b) They provide an interface to test execution tools.

c) They help to enforce coding standards.
d) They manipulate databases and files to set up test data.
A. a and c
B. b and c
C. a and b
D. b and d
Answer: C

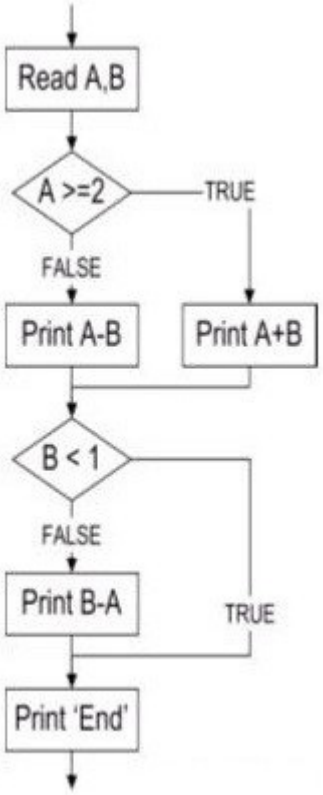
5.Given the following state table:

	On	Off	Channel 1	Channel 2	Channel >2	Stby
Standby	Live	N	N	N	N	N
Live	N	Standby	Display Channel 1	Display Channel 2	N	Standby
Display Channel 1	N	N	N	Display Channel 2	Live	Standby
Display Channel 2	N	N	Display Channel 1	N	Live	Standby

Which of the following represents an INVALID transition (N)?
A. Off fromisplay Channel 1?
B. Channel 2 from Display Channel 1?
C. Stby from Live?
D. Channel 2 from Live?
Answer: A

6.Which one of the following is a characteristic of good testing in any lifecycle model?
A. Each test level has the same test objective.
B. There should be more testing activities than development activities.
C. Test design can only begin when development is complete.
D. Testers should begin to review documents as soon as drafts are available.
Answer: D

7.Given the following flow chart diagram:



What is the minimum number of test cases required for 100% statement coverage and 100% decision coverage, respectively?
A. Statement Coverage = 1, Decision Coverage = 3.
B. Statement Coverage = 2, Decision Coverage = 3.
C. Statement Coverage = 2, Decision Coverage = 2.
D. Statement Coverage = 3, Decision Coverage = 3
Answer: C

8.Which of the following are structure-based techniques?
a) Decision table testing
b) Boundary value analysis
c) Multiple condition coverage
d) Use case testing
e) Decision testing
A. a and c.
B. b and d.
C. b and e.
D. c and e.
Answer: D

9.A system specification states that a particular field should accept alphabetical characters in either upper or lower case.
Which of the following test cases is from an INVALID equivalence partition?

A. Feeds
B. F33ds
C. FEEDS
D. fEEDs
Answer: B

10.Which of the following is an example of a product risk?
A. Software that does not perform its intended functions
B. Failure of a third party
C. Problems in defining the right requirements
D. Skill and staff shortages
Answer: A

11.A system under development contains complex calculations and decision logic, and it is assessed as high risk because of the relative inexperience of the development team in the application domain. Which of the following would be the MOST appropriate choice of test design technique for component testing?
A. Decision testing.
B. Statement testing
C. State transition testing
D. Equivalence partitioning
Answer: A

12.Which of the following statements are true in relation to component testing?
a) Stubs may be used.
b) May cover resource behaviour (e.g. memory leaks).
c) Tests the interactions between software components.
d) Defects are typically fixed without formally managing these defects.
A. a, c and d
B. a, b and d
C. b, c and d
D. a, b and c
Answer: B

13.Which tasks would USUALLY be performed by a test leader and which by the tester?
a) Adapt planning based on test results.
b) Create test specifications.
c) Plan tests.
d) Write or review a test strategy
A. c and d by the test leader; a and b by the tester
B. a and b by the test leader; c and d by the tester.
C. a and d by the test leader; b and c by the tester
D. a, c and d by the test leader; b by the tester.
Answer: D

14.Pair the correct test design techniques (i to v) with the category of techniques (x, y and z):
i) Exploratory Testing
ii) Equivalence Partitioning
iii)Decision Testing
iv)Use Case Testing
v) Condition coverage
x) Specification-based
y) Structure-based
z) Experienced-based
A. x =i and ii; y = iii and v; z = iv.
B. x =i, ii and iv; y = v; z = iii
C. x = ii and iv; y = iii and v; z = i.
D. x = iii and iv; y = v; z = i and ii.
Answer: C

15.Which of the following activities should be performed during the selection and implementation of a testing tool?
A. Determine whether the organisation existing test process needs to change.
B. Conduct a proof of concept.
C. Implement the selected tool on a project behind schedule to save time. d) Identify coaching and mentoring requirements for the use of the selected tool
D. a, b and c.
Answer: D

16.Which one of the following is true of software development models?
A. There are always four test levels in the V-model.
B. In a Rapid Application Development (RAD) project, there are four test levels for each iteration.
C. In Agile development models, the number of test levels for an iteration can vary depending on the project.
D. There must be at least four test levels for any software development model.
Answer: C

17.Four testers have each submitted an incident report in which each reported a problem with the User log-on process. User log-on is a critical component of the system. The table below describes the four defect reports submitted.

Tester ID	Incident description	Inputs/Expected and Actual results	Business Priority (1 high 2 medium 3 Low)
Tester 1	User log-on validation error	Entered User id of J SMITH and password of ABC01 but got an error message	1
Tester 2	Log-on does not meet requirement	Inputs: Entered valid user id and password Expected result - Main menu screen to be displayed Actual result: Error saying incorrect password	2
Tester 3	Log-on Password validation error	Inputs: User id = J SMITH, password = ABC01 Expected result - Main menu screen Actual result: Error message EM008 'Invalid password' This test has worked many times before	2
Tester 4	Password validation error	Inputs: User id = J SMITH, password = ABC01 Expected result - Main menu screen Actual result: EM008 'Invalid password' N.B the same inputs worked yesterday, before code release 1.2 was delivered	1

Which Tester has reported the incident MOST effectively, considering the information and priority they have supplied?

A. Tester 3

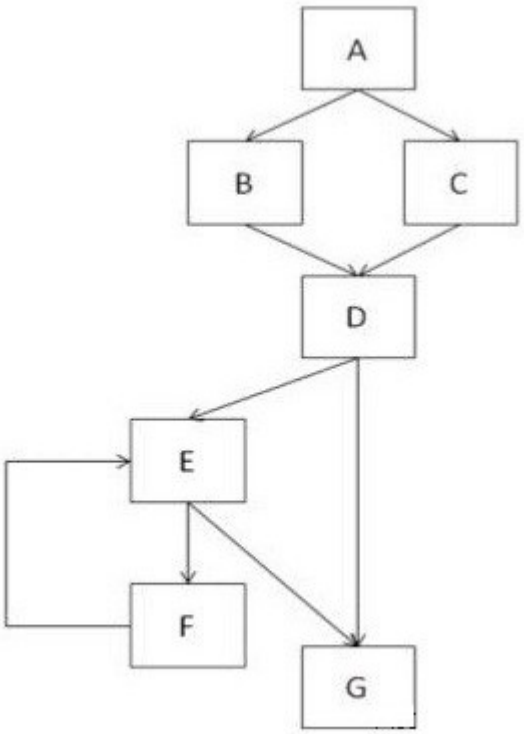
B. Tester 1

C. Tester 2

D. Tester 4

Answer: D

18.The flow graph below shows the logic of a program for which 100% statement coverage and 100% decision coverage is required on exit from component testing.



The following test cases have been run:
* Test Case 1 covering path A, B, D, G
* Test Case 2 covering path A, B, D, E, F, E, F, E, F, E, G
* Test Case 3 covering path A, C, D, E, F, E, G
Which of the following statements related to coverage is correct?
A. Statement coverage is 100%; decision coverage is 100%.
B. Statement coverage is less than 100%; decision coverage is 100%.B.Statement coverage is less than 100%; decision coverage is 100%.
C. Statement coverage is 100%; decision coverage is less than 100%.C.Statement coverage is 100%; decision coverage is less than 100%.
D. Statement coverage and decision coverage are both less than 100%.D.Statement coverage and decision coverage are both less than 100%.
Answer: A

19.Which of the following is a purpose of the review kick off activity?
A. Explain the objectives
B. Select the personnel group
C. Document results
D. Define entry and exit criteria
Answer: A

20.Which statement about combinations of inputs and preconditions is true for a large system?
A. It is easy to test them all in a short time
B. It is not practically possible to test them all
C. It is not possible to test any of them
D. It is essential to test them all in order to do good testing
Answer: B