Vendor: BCS

Exam Code: ISEB-SWT2

Exam Name: ISTQB-ISEB Certified Tester Foundation Level

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Q & As: 120

QUESTION 1
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 from Display Channel 1
B. Channel 2 from Display Channel 1
C. Stby from Live
D. Channel 2 from Live

Correct Answer: A

QUESTION 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

Correct Answer: A

QUESTION 3
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

Correct Answer: C

QUESTION 4
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.

Correct Answer: D

QUESTION 5
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 0 and excess is ,500.
B. 51 year old in insurance class C Premium is 0 and excess is 00.
C. 31 year old in insurance class B Premium is 0 and excess is ,500.
D. 43 year old in insurance class C Premium is 0 and excess is ,000.
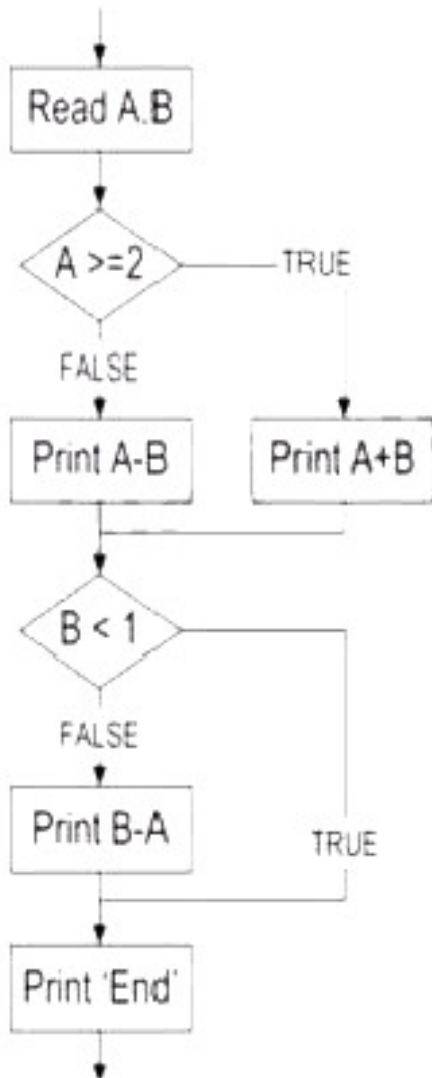
Correct Answer: A

QUESTION 6
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

Correct Answer: D
QUESTION 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

Correct Answer: C

QUESTION 8
The digital rainbow Thermometer uses 7 colors to show the ambient temperature. Each color spans a range of just 5, with an operating minimum and maximum of minus 5 and 30. Which of the following values is minimum and maximum of minus 5 and 30? Which of the following values

is LEAST likely to have been identified when applying the boundary value test design technique?

A. 3030
B. 100
C. 88
D. 15 15

Correct Answer: C

QUESTION 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

Correct Answer: B

QUESTION 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

Correct Answer: A

QUESTION 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

Correct Answer: A

QUESTION 12
Which of the following statements are true in relation to component testing?

a. Stubs may be used.
b. May cover resource behavior (e.g. memory leaks).
c. Tests the interactions between software components.
d. Defects are typically fixed without formally managing these defects.