



# CTAL-TTA\_001<sup>Q&As</sup>

ISTQB Certified Tester Advanced Level - Technical Test Analyst

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### QUESTION 1

How many test cases are required to test a specification that has three conditions using a decision table testing which is not collapsed? 1 credit [K2]

Number of correct answers: 1

- A. 2
- B. 4
- C. 6
- D. 8

Correct Answer: D

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### QUESTION 2

Consider the following decision table,

	1	2	3	4	5	6	7	8
C1	1	1	1	1	0	0	0	0
C2	1	1	0	0	1	1	0	0
C3	1	0	1	0	1	0	1	0
A1	X	X						
A2	X							

How many cases are left when this decision table is collapsed? 2 credits [K3]

Number of correct answers: 1

- A. 2
- B. 3
- C. 4
- D. 5

Correct Answer: C

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### QUESTION 3



A new web site has been launched for a conference organisation. There are a number of links to other related websites for information purposes. Customers like the new site but complaints are being made that some (not all) of the links to other sites do not work. 1 credit [K2]

Number of correct answers: 1

- A. Performance tool
- B. Hyperlink tool
- C. Usability testing tool
- D. Static analysis tool

Correct Answer: B

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#### QUESTION 4

An organisation has already implemented a static analysis tool and is considering whether code reviews would have any added value. Which of the following defect types can only be found by means of code reviews? 1 credit [K2]

Number of correct answers: 1

- A. Conformance to coding standards
- B. Conformance to design
- C. Endless loop
- D. Cyclomatic complexity too high

Correct Answer: B

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#### QUESTION 5

Applying exploratory testing (ET) during unit testing is being considered. Which ET deliverable would be the primary candidate for informal reviews? 1 credit [K2] Number of correct answers: 1

- A. Test log and coverage outline
- B. Test charter
- C. Heuristics
- D. Test case specification

Correct Answer: B

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#### QUESTION 6

As part of a risk analysis, technical risks are analyzed. Which TWO factors influence technical risk? 1 credit [K2]



Number of correct answers: 2

- A. Complexity of technology
- B. Frequency of use of the affected failure
- C. Interfacing and integration issues
- D. Damage to image
- E. Lack of reasonable workaround

Correct Answer: AC

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### QUESTION 7

Consider the following code fragment `If (a>b) and (b>c) then b = (a+c)/2 endif` Assume that in the following options, each of the three numbers in parenthesis represent the inputs for a

test case, where the first number represents variable "a", the second number represents variable "b", and the third number represents variable "c".

Which of the following gives a set of test case inputs that achieves 100% decision coverage for this fragment of code with the minimum number of test cases? 2 credits [K3]

Number of correct answers: 1

- A. (5, 3, 2)
- B. (5, 3, 2); (5, 4, 0)
- C. (5, 4, 0); (4, 5, 0)
- D. (4, 5, 0); (5, 4, 5)

Correct Answer: C

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### QUESTION 8

How many test cases would be needed to achieve 100% statement coverage? 1 credit [K2] Number of correct answers: 1

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: A

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### QUESTION 9

Which specification-based technique could be used to enhance coverage for this code fragment? 1 credit [K2]

Number of correct answers: 1

- A. Boundary value analysis
- B. Exploratory testing
- C. State transition testing
- D. Use case testing

Correct Answer: A

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### QUESTION 10

For the control flow, what is the correct labelling? 1 credit [K2] Number of correct answers: 1 i ii iii

- A. NodesLinkRegion
- B. NodesRegionLink
- C. RegionLink Nodes
- D. RegionNodesLink

Correct Answer: A

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### QUESTION 11

Definition-use pairs are identified during which of the following static analysis activities? 1 credit [K2] Number of correct answers: 1

- A. Control flow analysis
- B. Data flow activities
- C. Coding standards analysis
- D. Cyclomatic complexity analysis

Correct Answer: B

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### QUESTION 12

Which of the following is a dynamic analysis technique related to improving application performance? 1 credit [K2]



Number of correct answers: 1

- A. Code complexity analysis
- B. Profiling
- C. Network package sniffing
- D. Spelling and grammar checking

Correct Answer: B

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### QUESTION 13

What are the TWO most significant pitfalls the organisation should be aware of?1 credit [K2] Number of correct answers: 2

- A. Lack of good process as a baseline
- B. Cost of maintenance of test scripts
- C. Test management will become more time-consuming
- D. Need to train testers and gain skills
- E. Coverage measurements are often difficult

Correct Answer: BD

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### QUESTION 14

What is the theoretical maximum level of switch coverage that can be achieved for the state diagram above?

1 credit [K2]

Number of correct answers: 1

- A. 4
- B. 5
- C. 6
- D. 7

Correct Answer: B

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### QUESTION 15



If you are flying with an economy ticket, there is a possibility that you may get upgraded to business class, especially if you hold a gold card in the airline's frequent flier program. If you don't hold a gold card, there is a possibility that you will get 'bumped' off the flight if it is full and you check in late. This is shown in the figure hereafter. Note that each box (i.e. statement) has been numbered.

Three tests have been run:

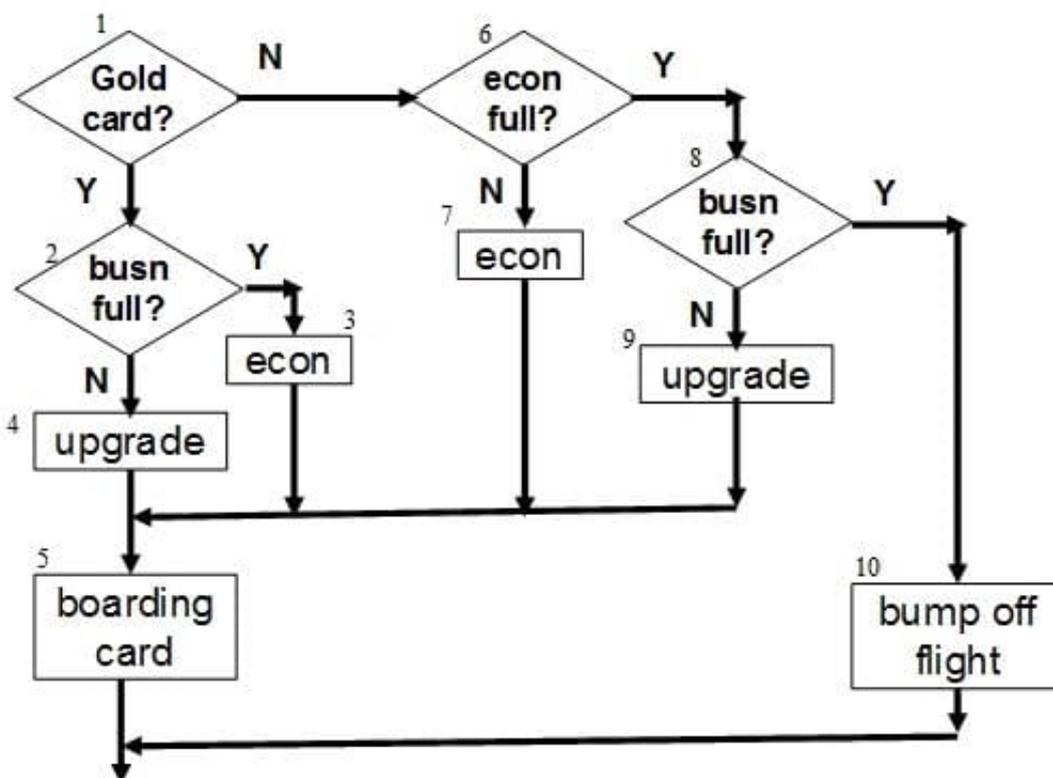
Test 1: Gold card holder who gets upgraded to business class

Test 2: Non-gold card holder who stays in economy

Test 3: A person who is bumped from the flight

What is the statement coverage of these three tests? 2 credits [K4]

Number of correct answers: 1



- A. 60%
- B. 70%
- C. 80%
- D. 90%



Correct Answer: C

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