ISTQB ATTA Practice Questions

Shared by Woodard on 26-10-2026

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Question 1

Question Type: MultipleChoice

At which test level would performance testing most likely be performed? 1 credit [K2]

Options:

A- Component Testing
B- Integration Testing
C- System Testing
D- User Acceptance Testing

Answer:

C

Question 2

Question Type: MultipleChoice

What are the TWO most significant pitfalls the organisation should be aware of? 1 credit [K2]

Options:

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

Answer:

B, D

Question 3

Question Type: MultipleChoice

Part 7 "Test Process & Incident Management"

You are asked to provide practical and pragmatic testing solution for a commercial system where the main user interface is via the World Wide Web. It is critical that the company's existing good name and market profile are not damaged in any way. Time to market is not an issue when appropriate testing solutions are identified to mitigate business risks.

The following issues are currently provided as a risk:

- lack of usability requirements
- security during on-line transactions
- perceived performance of the system and response time from the user interface
- a required availability of almost 100%.

Which TWO of the following artefacts can be useful as a test oracle the first time a test case is run? 1 credit [K2]

Options:

A- Incident report
B- Requirements Specification
C- Test summary report
D- Legacy system
E- Test plan

Answer:

B, D

Question 4

Question Type: MultipleChoice

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As a technical test analyst, which documents would you typically create? 1 credit [K2]

Options:

A- Test plan, test design, test cases and test log
B- Test plan, test log, test design and test summary report
C- Test script, test log, incident report and test design
D- Incident report, test item transmittal report, test cases and test procedure

Answer:

C

Question 5

Question Type: MultipleChoice

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

Options:

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

Answer:

A

Question 6

Question Type: MultipleChoice

Part 1 "Test Techniques various"

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]

Options:

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

Answer:

C

Question 7

Question Type: MultipleChoice

The comment frequency of the code fragment is 13%. To which ISO 9126 quality attribute does a good level of comment frequency especially contribute? 1 credit [K2]

Options:

A- Portability
B- Maintainability
C- Usability
D- Efficiency

Answer:

A

Question 8

Question Type: MultipleChoice

Part 3 "Bonus Program"

```
01      "Declaration of variables used in the program"
02
03      Declare Price as float;
04      Declare Quantity as integer;
05      Declare Bonus as integer;
06      "variables of type integer are not signed & should not have a negative value'
07      Declare Market as string;
08      Declare Sale_Value as float;
09
10      "The main program"
11      MAIN
12
13      Read Price;
14      Read Quantity;
15      Read Market;
16      Read Bonus;
17      Sale_Value=Price*Quantity;
18
19      IF Sale_Value > 1000 THEN
20       Bonus = Bonus +2;
21       IF Sale_Value > 5000 THEN
22         Bonus = Bonus + 3;
23       ENDIF
24      ENDIF
25
26      IF (Bonus < 5 AND Market <> "UK") THEN
27       Bonus = Bonus * 1.5;
28       Print Bonus;
29       Print "Your bonus is enhanced for international sales!";
30      ELSE
31       Print Bonus;
32      ENDIF
33
34      END
```

When performing code reviews, which of the following defect types will be most difficult to find? 1 credit [K2]

Options:

A- Dead code
B- Variable used that is not defined
C- Memory issues
D- Conformance to design

Answer:

C

Question 9

Question Type: MultipleChoice

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]

Options:

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)

Answer:

C

Question 10

Question Type: MultipleChoice

Part 5 "Testing of Software Characteristics"

The test team has been struggling to achieve major benefits using the test execution tool since they purchased it. Training in use of this tool has been given but staff turn-over is rather high. Script maintenance seems to be a problem.

Which of the following is the best example of a reliability failure for the application? 1 credit [K2]

Options:

A- Slow response time
B- Excessive memory consumption
C- Random application termination
D- Failure to encrypt data

Answer:

C

Question 11

Question Type: MultipleChoice

To address the second risk mentioned in the scenario, security testing will be performed. Which test techniques would be most applicable for security testing? 1 credit [K2]

Options:

A- Boundary Value Analysis
B- Statement Testing
C- Use Cases
D- Fault Attacks

Answer:

D

Question 12

Question Type: MultipleChoice

A developer has spent three days looking at a system that crashes now and then. The problem was caused by two coding faults:

i. A variable was being used but had not been defined;

ii. There was a 'goto' statement to an undefined label

1 credit [K2]

Options:

A- Static analysis tool
B- Code coverage tool
C- Dynamic analysis tool
D- Test execution tool

Answer:

A

Question 13

Question Type: MultipleChoice

Part 7 "Test Process & Incident Management"

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The development manager asks you to identify suitable test coverage entry criteria for a component test. Which TWO of the following would you recommend as appropriate for entry criteria to a component testing phase? 2 credits [K3]

Options:

A- 100% statement coverage
B- No critical outstanding defects
C- Test log available
D- Code review completed
E- Static analysis shows no major violations

Answer:

D, E

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