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Advanced Technical Test Analyst

ISTQB ATTA

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Topic Break Down

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QUESTION NO: 1

How many test cases are needed to test code fragment lines 26 – 32 to achieve 100% condition determination coverage?

A. 2

B. 3

C. 4

D. 5

ANSWER: B

QUESTION NO: 2

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?

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

QUESTION NO: 3

To support code reviews a checklist will be developed. Which TWO questions from the list would you implement as part of the code review checklist?

A. Are any magic numbers (numeric literals) used, other than 0 or 1?

B. Can each item be implemented with the techniques, tools, and resources available?

C. Is it possible during acceptance testing to verify whether the item has been satisfied?

D. Is the item specified in an exact, unambiguous way?

E. Is there any logic containing no statements and no explanation as to why it is empty?

ANSWER: A E

QUESTION NO: 4

What is the number of nested levels for the code fragment?

A. 0

B. 1

C. 2

D. 3

ANSWER: C

QUESTION NO: 5

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?

A. Conformance to coding standards

B. Conformance to design

C. Endless loop

D. Cyclomatic complexity too high

ANSWER: B

QUESTION NO: 6

Defects are discovered through test analysis and design because…

A. the tasks involve extracting information from the test basis

B. developers are involved in writing test cases

C. the cost of fixing a defect will increase if found later on

D. the author of the test basis will have made errors

ANSWER: A

QUESTION NO: 7

It has been decided by management to ask an external consultant to perform a reliability assessment. The external consultant will use a checklist to support the assessment. Select TWO checklist items that are most likely to be part of a reliability checklist.

A. Are traceability matrices provided to the requirements?

B. Is all code supported by a reviewed design document?

C. Is the comment frequency at the correct level?

D. Is a dual set of hardware available?

E. Are features available for a periodic check of the database consistency?

ANSWER: D E

QUESTION NO: 8

What are the TWO most significant pitfalls the organisation should be aware of?

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 NO: 9

It has been decided to improve the efficiency and effectiveness of unit testing by acquiring a number of test tools. Which TWO of the following tools would you select to support unit testing?

A. Dynamic analysis

B. Review tool

C. Coverage measurement tool

D. Monitoring

E. Test management

ANSWER: A C

QUESTION NO: 10

Consider the following fault attack: “Force all possible incoming errors from the software/OS interfaces to the application”. Which of the following is the kind of failure you are looking for when using this attack?

A. Application crashes when unsupported characters are pasted into an input field using the windows clipboard

B. Front page of the application has incorrect spelling of the company name

C. Application fails to display financial numbers in the correct currency format in reports

D. Application miscalculates total monthly balance due on credit cards

ANSWER: A

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