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Advanced Technical Test Analyst

ISTQB ATTA

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Topic Break Down

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QUESTION NO: 1

To address reliability a number of measures will be taken throughout the development and testing process. Select TWO appropriate measures that are typically taken as part of reliability engineering and/or testing of an application.

- A. Define Operational Profiles
- B. State Transition Testing
- C. Usability testing
- D. Perform design FMEAs
- E. Exploratory test

ANSWER: A D**QUESTION NO: 2**

When performing code reviews, which of the following defect types will be most difficult to find?

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

ANSWER: C**QUESTION NO: 3**

Which TWO additional structure-based test design techniques could be used to dynamically test the code?

- A. Condition testing
- B. Multiple condition testing
- C. Equivalence partitioning
- D. Cause/effect graphing
- E. Code reviews

ANSWER: A B

QUESTION NO: 4

Applying exploratory testing (ET) during unit testing is being considered. Which ET deliverable would be the primary candidate for informal reviews?

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

ANSWER: B

QUESTION NO: 5

As a technical test analyst, you are involved in a risk analysis session using the Failure Mode and Effect Analysis technique. You are calculating risk priorities. Which of the following are the major factors in this exercise?

- A. Severity and priority
- B. Functionality, reliability, usability, maintainability, efficiency and portability
- C. Likelihood and impact
- D. Financial damage, frequency of use and external visibility

ANSWER: C

QUESTION NO: 6

Select TWO solutions how the team could achieve significant benefits in the use of this tool within the next 6 months?

- A. Introduce data-driven or keyword driven scripting techniques
- B. Change the development process
- C. Select and implement a test management tool to complement the test suite
- D. Identify critical parts of the system and concentrate on automating some of those tests for that particular area
- E. Get business testers involved in the automation process

ANSWER: A D

QUESTION NO: 7

An embedded software company is considering to improve the quality of its software components to be delivered to the integration team. After studying various experience papers that report a higher level of quality for software components, two main alternative techniques are identified: static analysis and dynamic analysis. In deciding which one is most applicable and how they relate to each other a detailed study is performed.

Which of the following are TWO key similarities between static analysis and dynamic analysis?

- A. Both are performed using requirements as its major input document
- B. Both are usually undertaken by integration testers
- C. Both are usually undertaken by development during coding and unit testing
- D. Both are related to reviews
- E. Both usually use a tool

ANSWER: C E

QUESTION NO: 8

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

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

ANSWER: D

QUESTION NO: 9

Based on the state diagram above, how many invalid test cases could be identified in a state table?

- A. 10
- B. 12
- C. 14

D. 15

ANSWER: A

QUESTION NO: 10

Which TWO of the following artefacts can be useful as a test oracle the first time a test case is run?

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

ANSWER: B D