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Topic Break Down

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QUESTION NO: 1

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: 2

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: 3

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: 4

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: 5

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

QUESTION NO: 6

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: 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

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: 9

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: 10

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

A. 0

B. 1

C. 2

D. 3

ANSWER: C