IT Quality and Software Test

Lesson 4
Static Testing
Quiz
V1.0

Uwe Gühl

1. Static Testing

Which of the following are the main phases of a formal review?

a) Initiation, status, preparation, review meeting, rework, follow up.   ◯

b) Planning, preparation, review meeting, rework, closure, follow up.   ◯

c) Planning, kick off, individual preparation, review meeting, rework, follow up.   ◯

d) Preparation, review meeting, rework, closure, follow up, root cause analysis.   ◯

http://www.istqb.org

1. Static Testing

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2. Static Testing

Which of the review types below are the most adequate options to choose for reviewing safety critical components in a software project?

a) Informal review. ◯

b) Management review. ◯

c) Inspection. ◯

d) Walkthrough. ◯

e) Technical Review. ◯

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2. Static Testing

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3. Static Testing

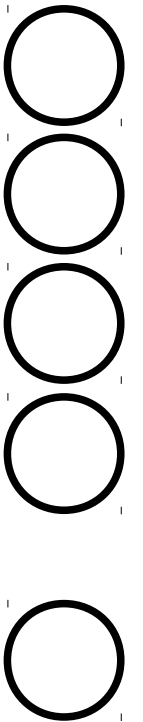Which of the following statements about static analysis is FALSE?

a) Static analysis can be used as a preventive measure with appropriate process in place. ◯

b) Static analysis can find defects that are not easily found by dynamic testing. ◯

c) Static analysis can result in cost savings by finding defects early. ◯

d) Static analysis is a good way to force failures into the software. ◯

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4. Static Testing

What can static analysis **NOT** find?

a) The use of a variable before it has been defined ◯

b) Unreachable ("dead") code ◯

c) Whether the value stored in a variable is correct ◯

d) The re-definition of a variable before it has been used ◯
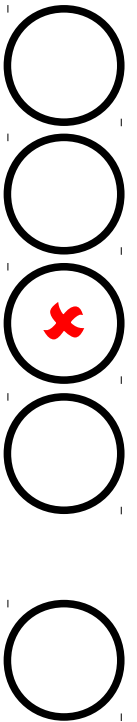
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5. Static Testing

Which expression best matches the following characteristics or reviews?

1) led by author

2) undocumented

3) no management participation

4) led by a trained moderator or leader

5) uses entry and exit criteria.

a) inspection

b) peer review

c) informal review

d) walkthrough

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a) inspection   = 4) and 5)

b) peer review   = 3)

c) informal review   = 2)

d) walkthrough   = 1)

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6. Static Testing

Could reviews or inspections be considered part of testing?

a) No, because they apply to development documentation.

b) No, because they are normally applied before testing.

c) No, because they do not apply to the test documentation.

d) Yes, because both help detect faults and improve quality.

e) Yes, because testing includes all non-constructive activities.

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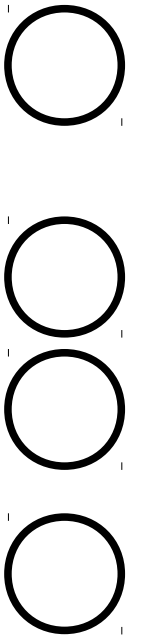
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7. Static Testing

Integration testing in the small

a) tests the individual components that have been developed.   ◯

b) tests interactions between modules or subsystems.   ◯

c) only uses components that form part of the live system.   ◯
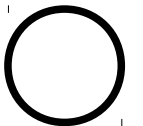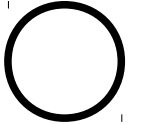
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http://isebtesting.blogspot.com/

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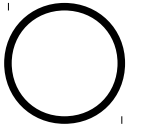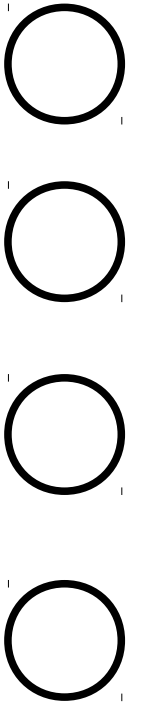
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8. Static Testing

Static analysis is best described as:

a) the analysis of batch programs. ◯

b) the reviewing of test plans. ◯

c) the analysis of program code. ◯

d) the use of black box testing. ◯

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