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QUESTION 1

Name the three most important fields of template-based architecture documentation. (Choose three.)

A. To describe module structures (white boxes)

B. To describe individual architectural modules and their external interfaces (black boxes)

C. To use copyright templates for a consistent description of project/system meta information within documents and source codes

D. To use a standardized document structure

E. To reuse code and test case templates

Correct Answer: ABD

Reference: https://buildmedia.readthedocs.org/media/pdf/roboy-sw-documentation-template/latest/roboy-sw-documentation-template.pdf

QUESTION 2

Which three artifacts does the assessment team create when conducting an ATAM evaluation? (Choose three.)

A. Architecture-specific chapters of the quality management manual

B. The concrete quality tree

C. Description of quality scenarios

D. A quality model

E. Architecture documentation

F. Selection of the quality attributes of the architectural building blocks

G. List of the architectural risks

Correct Answer: CEG

QUESTION 3

HOTSPOT

Which characteristics of a building block are only visible in the whitebox view, and for which characteristics does the blackbox view suffice? (Assign all answers.)

Hot Area:

Blackbox Whitebox

Blackbox	Whitebox	
○	○	A) Public interfaces of the building block
○	○	B) Test coverage based on unit tests for sub building blocks contained in the building block
○	○	C) Test coverage based on integration tests
○	○	D) Code structure of the building block
○	○	E) Algorithms used in the building block
○	○	F) Security requirements of the building blocks
○	○	G) Implementation details for the security requirements of the building blocks

Correct Answer:

Blackbox Whitebox

Blackbox	Whitebox	
●	○	A) Public interfaces of the building block
○	●	B) Test coverage based on unit tests for sub building blocks contained in the building block
●	○	C) Test coverage based on integration tests
●	○	D) Code structure of the building block
○	●	E) Algorithms used in the building block
●	○	F) Security requirements of the building blocks
○	●	G) Implementation details for the security requirements of the building blocks

QUESTION 4

Which of the following principles apply to testing? (Choose two.)

A. In general, exhaustive testing is not possible.

B. Where many errors exist, more errors are usually hidden.

C. Sufficient testing will show that a program is free of errors.

D. Error-free test runs also mean: the software is usable.

Correct Answer: AC

QUESTION 5

Which of the following statements about (crosscutting) concepts are most appropriate? (Select four.)

A. The definition of appropriate concepts ensures the conceptual integrity of the architecture.

B. Concepts are a means to increase consistency.

C. For each quality goal there should be an explicitly documented concept.

D. Uniform exception handling is most easily achieved when architects agree with developers upon a suitable concept prior to implementation.

E. A concept might be implemented by a single building block.

F. Uniform usage of concepts reduces coupling between building blocks.

G. A concept can define constraints for the implementation of many building blocks.

Correct Answer: ABDG

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