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Question 1

Question Type: MultipleChoice

Choose the most desirable characteristics of interfaces. (Choose three.)

Options:

- A- Easy to extend
- B- Geared towards the capabilities of the provider
- C- Clear descriptions of assertions and prerequisites
- D- As few parameters as possible
- E- Scalable to many consumers
- F- Remotely callable
- G- Hard to misuse

Answer:

B, C, F

Question 2

Question Type: MultipleChoice

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

Options:

- 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.

Answer:

A, B, D, G

Question 3

Question Type: MultipleChoice

What are known patterns for the adaptation of interfaces? (Choose two.)

Options:

- A- Bridge
- B- Tower
- C- Observer
- D- Faade
- E- Wall

Answer:

A, C

Question 4

Question Type: MultipleChoice

Select the two most appropriate methods for evaluating the reliability of a software system. (Choose two.)

Options:

- A- Determining the number of 'lines of code'
- B- Measurement of 'Mean-Time-between-Failure'
- C- Execution of performance tests
- D- Determination of the cyclomatic complexity
- E- Conducting an ATAM evaluation

Answer:

B, C

Question 5

Question Type: MultipleChoice

What do you have to take into account when designing external interfaces? (Choose three.)

Options:

- A- Volatility of neighbouring systems
- B- Adequate usage of the broker pattern
- C- Protocols enforced by neighbouring systems
- D- Expected amount of parallel calls
- E- Ease of implementation
- F- Effect on the coupling in the building block view

Answer:

C, E, F

Question 6

Question Type: MultipleChoice

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

Options:

- 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

Answer:

C, E, G

Question 7

Question Type: MultipleChoice

Which elements should be defined in the white-box view of a software building block 'foo'? Select the three most important elements. (Choose three.).

Options:

- A- The dependencies of the internal building blocks of 'foo'
- B- The legal contracts with the suppliers of the internal building blocks of 'foo'
- C- The algorithms of the internal building blocks of 'foo'
- D- The internal building blocks of 'foo'
- E- The rationale for the decomposition of the building block
- F- The sizes (in lines of code) of the internal building blocks of 'foo'

Answer:

B, C, E

Question 8

Question Type: MultipleChoice

Which views should software architects document? Select the three most popular views.

Options:

A- Deployment view

- B- Data view
- C- Runtime view
- D- Configuration view
- E- Non-functional view
- F- Link view
- G- Stakeholder view
- H- Building-block view
- I- Interface view

Answer:

A, B, D

Question 9

Question Type: MultipleChoice

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

Options:

- 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.

Answer:

A, C

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