Free Questions for OMG-OCUP-300

Shared by Harding on 12-12-2023

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Question 1

Question Type: MultipleChoice

Which statements are true about OCL? (Choose three)

Options:

A- OCL is a programming and procedural language.
B- OCL is a procedural language.
C- OCL is a programming language.
D- OCL is a typed language.
E- OCL is a specification language.
F- OCL is a query language.

Answer:

D, E, F

Question 2

Question Type: MultipleChoice

The preconditions of behavioral features of an interface can be specified in what way?

Options:

A- the actions of its protocol state machine
B- one or more guard conditions of a protocol state machine
C- comments attached to the corresponding features
D- the set of its features
E- the parameters of its protocol state machine

Answer:

B

Question 3

Question Type: MultipleChoice

Evaluating OCL expressions may cause side effects in which situations?

Options:

A- only when expressing the postconditions of an operation
B- only when expressing the algorithm of a behavior
C- in all circumstances
D- only when the stereotype <<volatile>> is used
E- never

Answer:

E

Question 4

Question Type: MultipleChoice

What requirements can an object node make on the kinds of values it has? (Choose two)

Options:

A- state
B- composition
C- type
D- interaction
E- properties

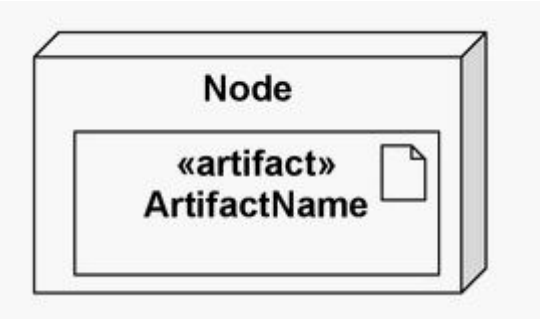
Answer:

A, C

Question 5

Question Type: MultipleChoice

What relationship is represented in the exhibit?



Options:

A- node with annotated property values
B- node deployed on an artifact
C- node with deployed artifacts
D- node with deployment specifications
E- manifestation of an artifact

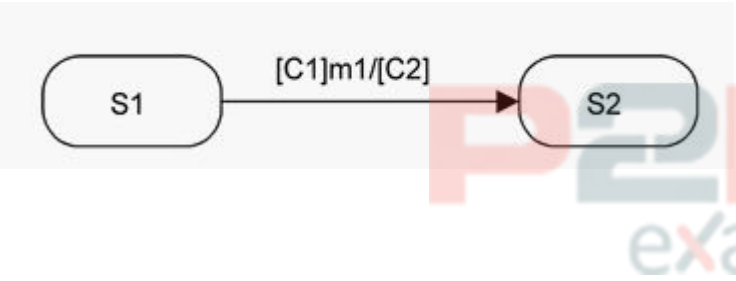
Answer:

C

Question 6

Question Type: MultipleChoice

In the exhibit, what is the meaning of C2 in the protocol state machine diagram?



Options:

A- the trigger for operation m1
B- the action executed when the corresponding transition is taken
C- a pre-condition for the operation m1
D- the guard of the transition associated with m1
E- a post-condition of the operation m1

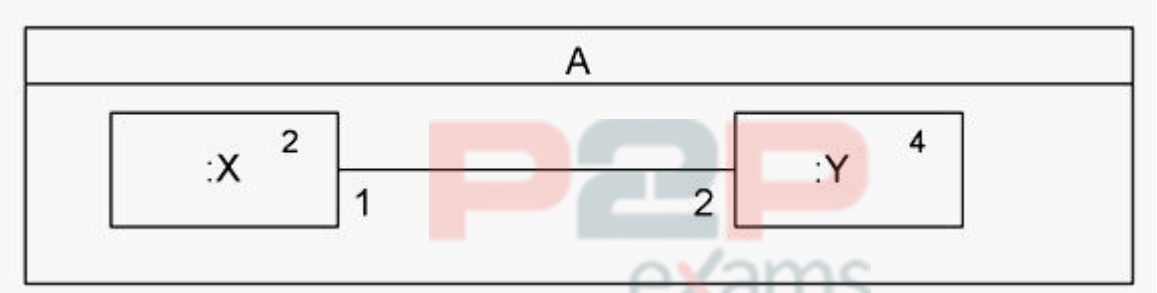
Answer:

E

Question 7

Question Type: MultipleChoice

In the exhibit, how many links are created by default when an instance of A is created?



Options:

A- two
B- eight
C- none
D- four

Answer:

D

Question 8

Question Type: MultipleChoice

When can an OCL expression be used to specify a state change?

Options:

A- in all circumstances
B- never
C- when expressing the postconditions of an operation
D- when expressing the preconditions of an operation
E- when the stereotype <<volatile>> is used

Answer:

C

Question 9

Question Type: MultipleChoice

When a component is deleted, what happens to objects in a component's namespace?

Options:

A- only those objects that participate in shared aggregations are retained
B- objects continue to exist
C- contents of the component's namespace are promoted to its superclass
D- objects are deleted

Answer:

D

Question 10

Question Type: MultipleChoice

How is a power type name indicated in a diagram?

Options:

A- enclosed by guillemots
B- preceded by a colon
C- preceded by an equal sign
D- enclosed by braces

Answer:

B

Question 11

Question Type: MultipleChoice

What are the underlying semantics of the association between Port and ProtocolStateMachine?

Options:

A- The port must have a provided interface whose protocol is specified by the protocol state machine.
B- The protocol state machine defines the sequencing constraints on the communications across a port.
C- The port must have a required interface whose protocol is specified by the protocol state machine.
D- The class of the object that has the port has to have a behavior that is defined by the protocol state machine.

Answer:

C

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