

OMG OMG-OCUP-300

OMG-Certified UML Professional Advanced Exam
Version: 4.0

QUESTION NO: 1

The OCL dot operator may NOT traverse which classifier property?

- A. operations
- B. association ends
- C. queries
- D. attributes

Answer: A

Explanation:

QUESTION NO: 2

What is NOT possible when a classifier receives a request via one of its ports?

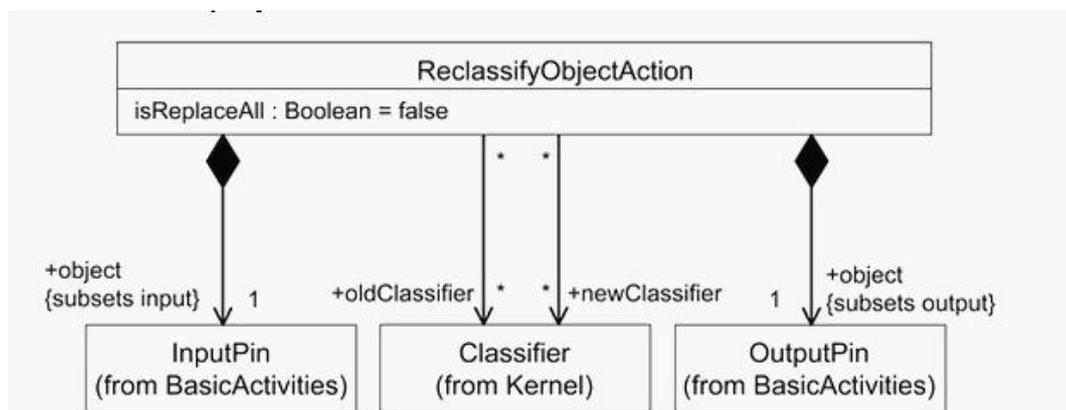
- A. A new port is created on the classifier.
- B. A behavior of the classifier is invoked.
- C. The request does not trigger any behavior and is not forwarded.
- D. The request is forwarded to a part of the classifier.
- E. The port routes the request to one of a number of parts depending on the content of the request.

Answer: A

Explanation:

QUESTION NO: 3

In the exhibit, what is NOT true of ReclassifyObjectAction?



- A. It has an output pin providing exactly one object.
- B. It refers to any number of old classifiers.
- C. It refers to any number of new classifiers.
- D. It has an input pin taking exactly one object.
- E. The default value for replacing all old classifiers is false.

Answer: A

Explanation:

QUESTION NO: 4

How can UML be extended? (Choose two)

- A. using Interface Definition Library (IDL)
- B. using the Object Constraint Language (OCL)
- C. using XML Metadata Interchange (XMI)
- D. using profiles
- E. reusing part of the UML infrastructure library and augmenting it with metaclasses and relationships

Answer: D,E

Explanation:

QUESTION NO: 5

Which stereotype CANNOT be used to elaborate the semantic intent of an Artifact instance?

- A. <<library>>
- B. <<executable>>
- C. <<script>>
- D. <<source>>
- E. <<specification>>

Answer: E

Explanation:

QUESTION NO: 6

Which UML 2.0 Superstructure package reuses the InfrastructureLibrary package?

- A. Classes::Core
- B. CompositeStructures::Core
- C. Structures::Kernel
- D. Classes::Kernel
- E. Kernel::Classes

Answer: D

Explanation:

QUESTION NO: 7

What is true about an InformationItem in UML 2.0?

- A. is not an abstraction
- B. can have generalization
- C. can have associations
- D. is not instantiable
- E. can have features

Answer: D

Explanation:

QUESTION NO: 8

What does the protocol conformance between two protocol state machines mean?

- A. the specific state machine must abide by the behavior of the general state machine
- B. all triggers in the two protocol state machines must be the same
- C. the two protocol state machines must be the same
- D. the general state machine must abide by the behavior of the specific state machine
- E. the specific state machine must have the same number of states and transitions as the general machine

Answer: A

Explanation:

QUESTION NO: 9

What is true about a model in UML 2.0?

- A. cannot contain another model
- B. can represent only software systems
- C. is a kind of package
- D. is a kind of component
- E. can represent all system structures

Answer: C

Explanation:

QUESTION NO: 10

What is a protocol of an interface?

- A. procedure that implements the communications-based behavioral features of the interface
- B. kind of behavior that describes the implementation of the object that realizes the interface
- C. kind of state machine that defines ordering constraints on the behavioral features of the interface
- D. interaction specification associated with the interface

Answer: C

Explanation:

QUESTION NO: 11

What determines which value an object flow edge chooses to move from the source? (Choose two)

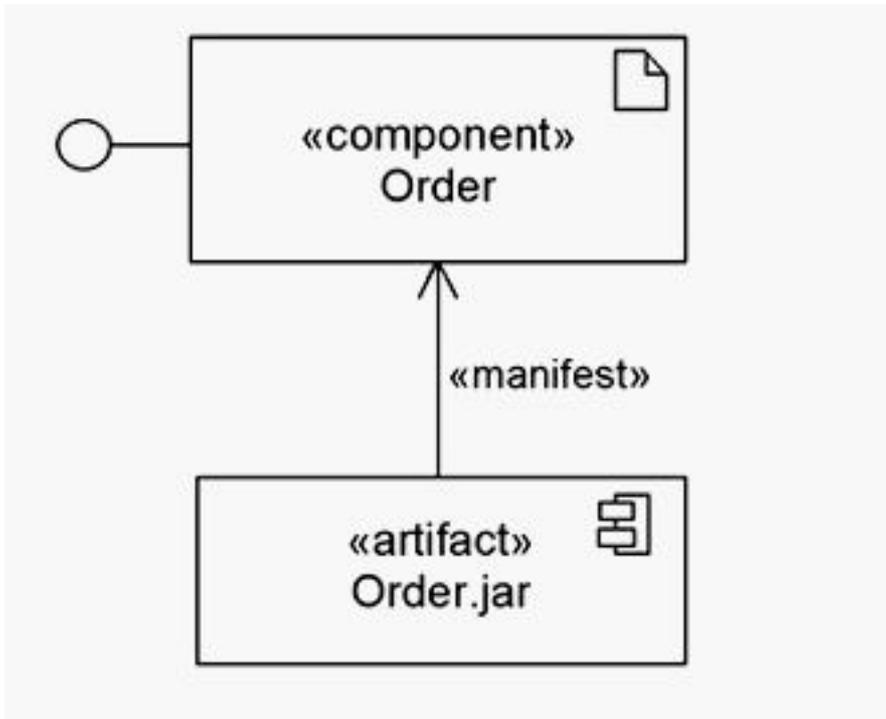
- A. transformation
- B. upper bound
- C. ordering
- D. effect
- E. weight
- F. selection

Answer: D,F

Explanation:

QUESTION NO: 12

What is wrong in this deployment diagram exhibit? (Choose two)



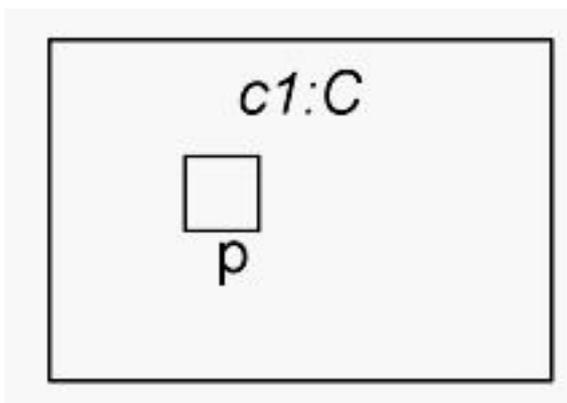
- A. Icons are swapped.
- B. Interface on Order should point up.
- C. «manifest» arrow should have a dashed line.
- D. «manifest» arrowhead should be hollow.
- E. «manifest» arrowhead should be solid.

Answer: A,C

Explanation:

QUESTION NO: 13

What does the composite structure notation show in the exhibit?



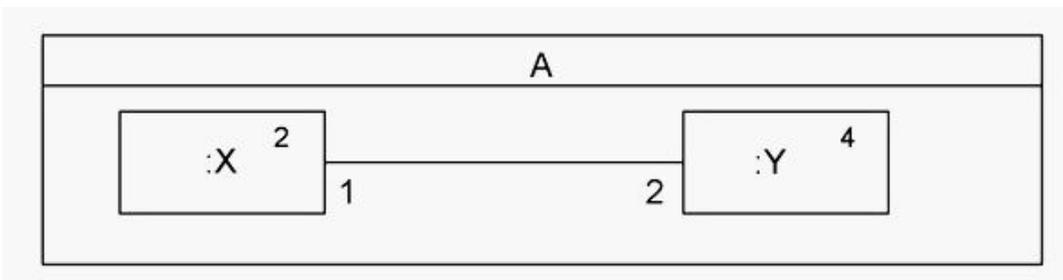
- A. p is a port on a part of composite C, which is not shown.
- B. p is a port providing a system service.
- C. p is a hidden port.
- D. p is a behavior port.

Answer: C

Explanation:

QUESTION NO: 14

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



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

Answer: B

Explanation:

QUESTION NO: 15

A ReplyAction always follows what action?

- A. AcceptCallAction
- B. AcceptEventAction
- C. ReadExtentAction
- D. CreateLinkObjectAction
- E. StartOwnedBehaviorAction

Answer: A

Explanation:

QUESTION NO: 16

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

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

Answer: A

Explanation:

QUESTION NO: 17

In planning to describe (in UML) a middleware software package, a company recently acquired, which class is most likely created to describe the package itself?

- A. Manifestation
- B. Device
- C. DeploymentSpecification
- D. ExecutionEnvironment
- E. Artifact

Answer: D

Explanation:

QUESTION NO: 18

What are the ways that the UML metamodel reuses the InfrastructureLibrary package? (Choose two)

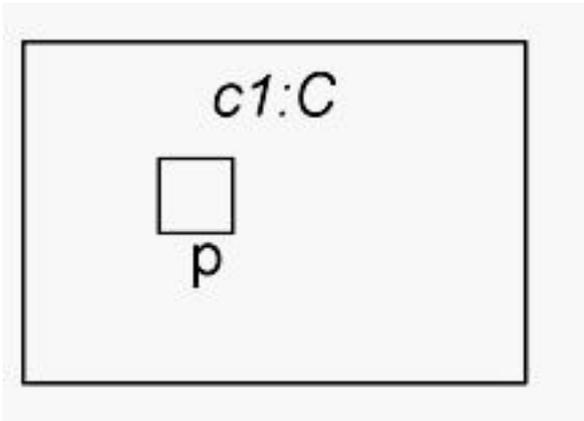
- A. specializes meta-meta-classes that are defined in the InfrastructureLibrary
- B. stereotypes meta-meta-classes that are defined in the InfrastructureLibrary
- C. exports and generalizes meta-classes in the InfrastructureLibrary
- D. imports and specializes meta-classes in the InfrastructureLibrary
- E. is instantiated from meta-meta-classes that are defined in the InfrastructureLibrary

Answer: D,E

Explanation:

QUESTION NO: 19

What does the composite structure notation show in the exhibit?



- A. p is a hidden port.
- B. p is a behavior port.
- C. p is a port on a part of composite C, which is not shown.
- D. p is a port providing a system service.

Answer: A

Explanation:

QUESTION NO: 20

Which statements are true about OCL? (Choose three)

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

Answer: A,C,E

Explanation:

QUESTION NO: 21

What does a port specification on a trigger do?

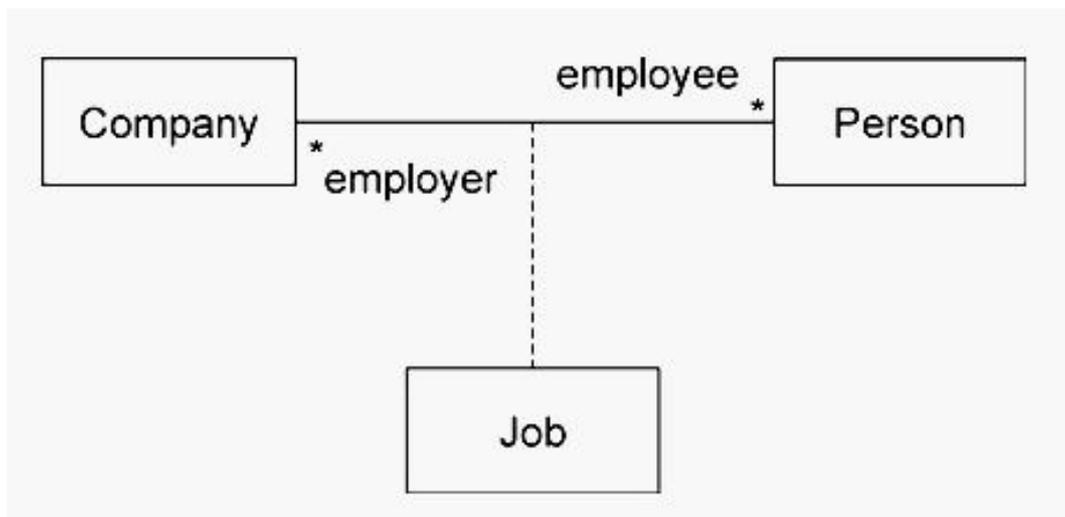
- A. restrict the trigger to events arriving through a specific port
- B. delay the creation of the parts of an encapsulated classifier until a specified request is received
- C. create a new port after a classifier has been instantiated
- D. send a request to a port

Answer: A

Explanation:

QUESTION NO: 22

What is the correct interpretation for the multiplicities in the exhibit?



- A. each Person has at most one Job for any number of Company objects and each Company has at most one Job for any number of Person objects
- B. each Job is for one employer and one employee, each Company has any number of employees and each Person has any number of employers
- C. each Company has one Job, where each Job has one employee
- D. each Job has any number of employers and any number of employees, each Company has any number of employees, and each Person has any number of employers

Answer: B

Explanation: