

# OMG-OCUP-300<sup>Q&As</sup>

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**QUESTION 1**

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

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

Correct Answer: AC

**QUESTION 2**

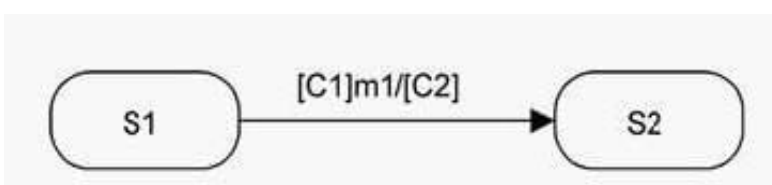
An Instance Specification acquires which characteristics in the Deployments package? (Choose two)

- A. can be a DeploymentTarget in all cases
- B. cannot be either a DeployedTarget or a DeployedArtifact
- C. can be a DeployedArtifact only if it is an instance specification of an Artifact
- D. can be a DeploymentTarget only if it is an instance specification of a Node
- E. can be a DeployedArtifact in all cases

Correct Answer: CD

**QUESTION 3**

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



- 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

Correct Answer: E

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#### QUESTION 4

What is true about an information flow?

- A. requires that a relationship (dependency, association, connector, etc.) does not exist between sources and targets
- B. defines the order in which information is exchanged
- C. may directly indicate a concrete element such as a class, and is conveyed instead of using an information item
- D. requires that a relationship (dependency, association, connector, etc.) exists between sources and targets

Correct Answer: C

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#### QUESTION 5

What is an abstract type in OCL?

- A. Set
- B. Collection
- C. Sequence
- D. Bag
- E. Integer

Correct Answer: B

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#### QUESTION 6

What characteristic of an object node can prevent it from receiving a value?

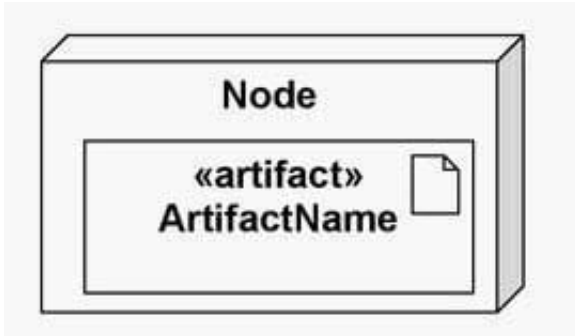
- A. transformation
- B. upper bound
- C. effect
- D. weight
- E. ordering
- F. selection

Correct Answer: B

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**QUESTION 7**

What relationship is represented in the exhibit?



- 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

Correct Answer: C

**QUESTION 8**

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

- 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.

Correct Answer: C

**QUESTION 9**

Evaluating OCL expressions may cause side effects in which situations?

- 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 is used
- E. never

Correct Answer: E

**QUESTION 10**

CORRECT TEXT

```
classDiagram
    class Aircraft
    class JetAircraft["Jet Aircraft"]
    class Glider
    Aircraft <|-- JetAircraft
    Aircraft <|-- Glider
```

	<b>isDirect</b>	<b>classifier</b>	<b>object</b>
A.	TRUE	Aircraft	<u>:Aircraft</u>
B.	FALSE	Aircraft	<u>:Aircraft</u>
C.	TRUE	Aircraft	<u>:Jet Aircraft</u>
D.	FALSE	Aircraft	<u>:Glider</u>
E.	TRUE	Jet Aircraft	<u>:Jet Aircraft</u>
F.	FALSE	Jet Aircraft	<u>:Aircraft</u>

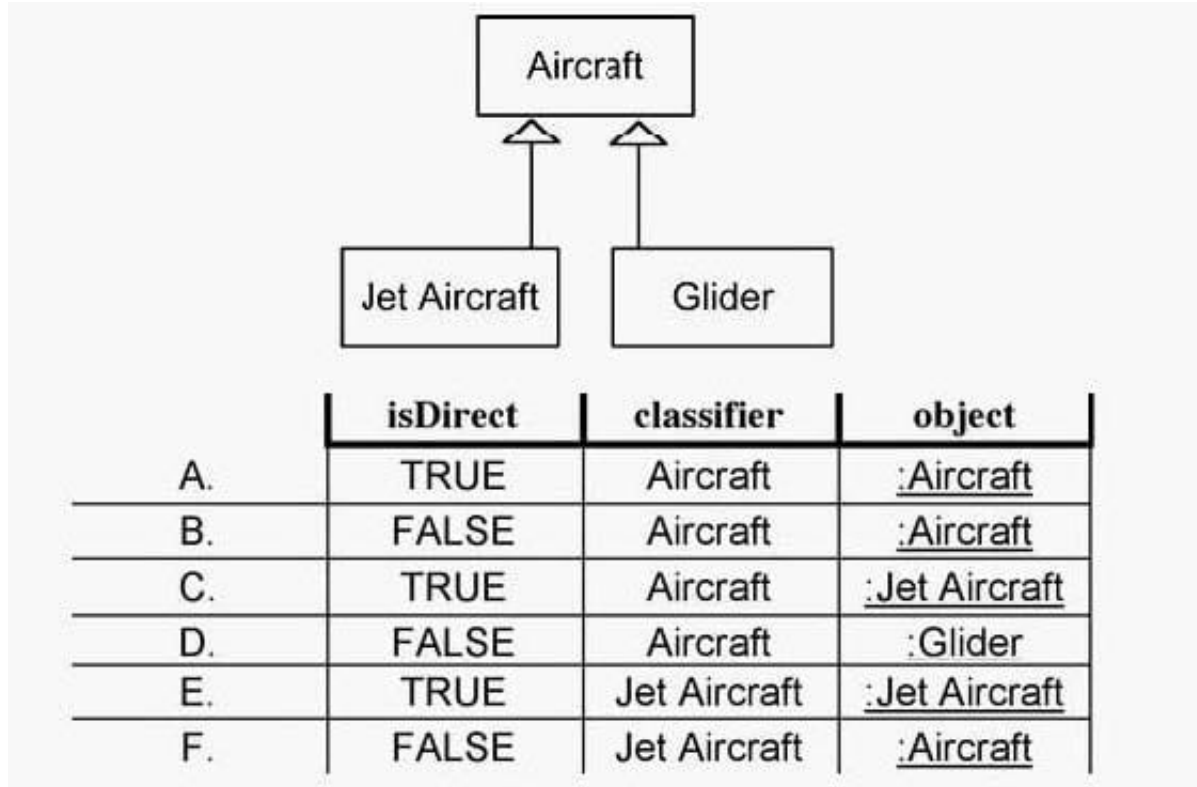
In the exhibit, what two input sets would yield a FALSE result when invoking a ReadIs Classified Object Action? (Choose two)

- A. A
- B. B
- C. C
- D. D
- E. E
- F. F

Correct Answer: CF

**QUESTION 11**

CORRECT TEXT In the exhibit, what two input sets would yield a FALSE result when invoking a ReadIs Classified Object Action? (Choose two)



- A. A
- B. B
- C. C
- D. D
- E. E
- F. F

Correct Answer: CF

**QUESTION 12**

An association class possesses the properties of which elements? (Choose two)

- A. class
- B. interface
- C. expression

- D. constraint
- E. association

Correct Answer: AE

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**QUESTION 13**

What happens to the exception from a Raise Exception Action when used in a model that has no exception parameters declared?

- A. ignored
- B. appended to an exception log
- C. sent to the "ExceptionManager" object
- D. handled by a default handler
- E. propagated to an enclosing protected node, if any

Correct Answer: E

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**QUESTION 14**

What happens if the explicit context declaration is omitted from an OCL statement on a diagram?

- A. Nearest operation is made the context.
- B. Nearest classifier is made the context.
- C. Context may be specified by a dashed line.
- D. Last identified context is used.
- E. Statement is malformed.

Correct Answer: C

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**QUESTION 15**

By what means can a design document be associated with the component it describes? (Choose three)

- A. ownership
- B. inheritance
- C. import
- D. association end subsets

E. power types

F. dependency

Correct Answer: ACF

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