OMG-OCSMP-MBI300 Practice Questions

Shared by Gilbert on 26-10-2026

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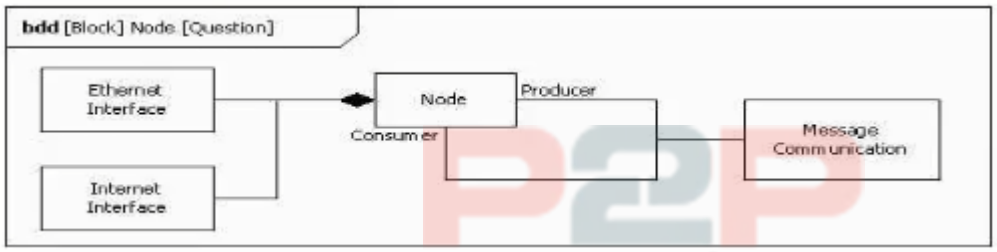
Check the Links on Last Page

Question 1

Question Type: MultipleChoice

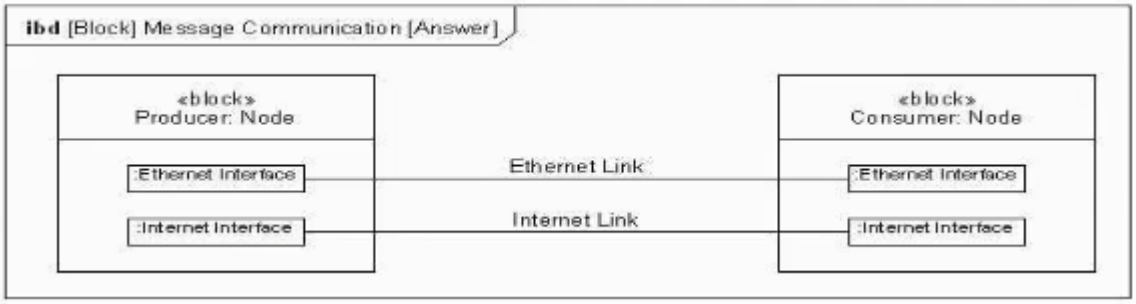
Choose the correct answer.

Given the following bdd:

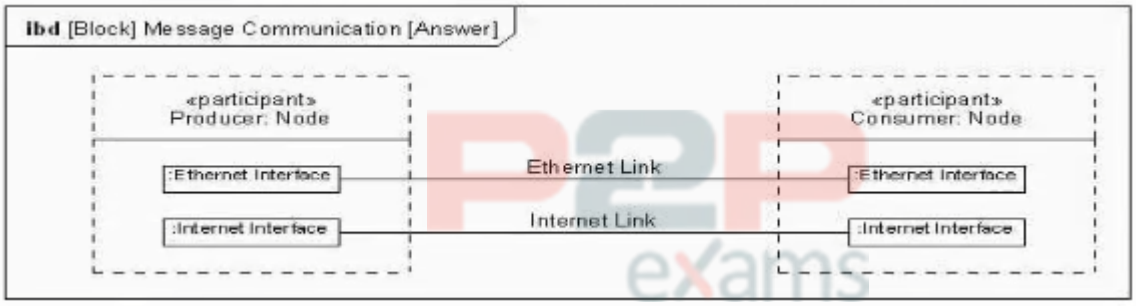


Which Ibd corresponds?

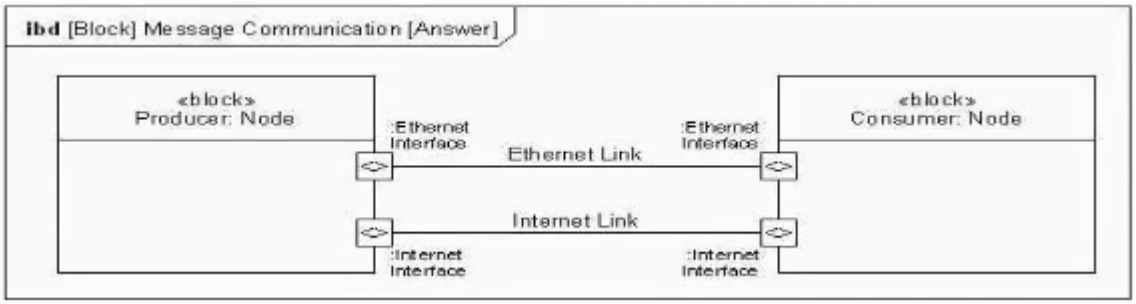
A)



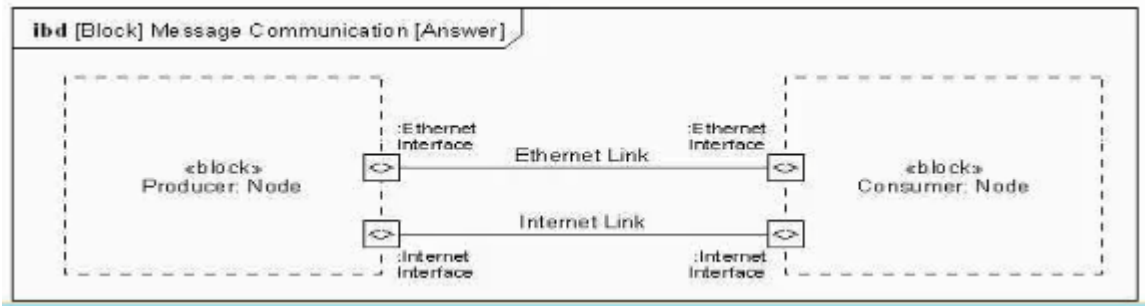
B)



C)



D)



Options:

A- Option A
B- Option B
C- Option C
D- Option D

Answer:

C

Question 2

Question Type: MultipleChoice

Assume the block is in A-State when two evCs ate received.

What is a plausible sequence of behaviors that occurs when a subsequent evG occurs?

Options:

A- action 1. stop activity X (if running), action 7, action 8, action 5, start activity Y
B- stop activity X (if running), action 8, action 5, start activity Y, action 7
C- stop activity X (if running) action 8, action 5, start activity Y, action 7, action 7
D- stop activity X (if running), action 2, action 8, action 5, start activity Y, action 7, action 7
E- stop activity X (if ninning). action 2, action 8, action 5, start activity Y, action 7, action 7, action 6

Answer:

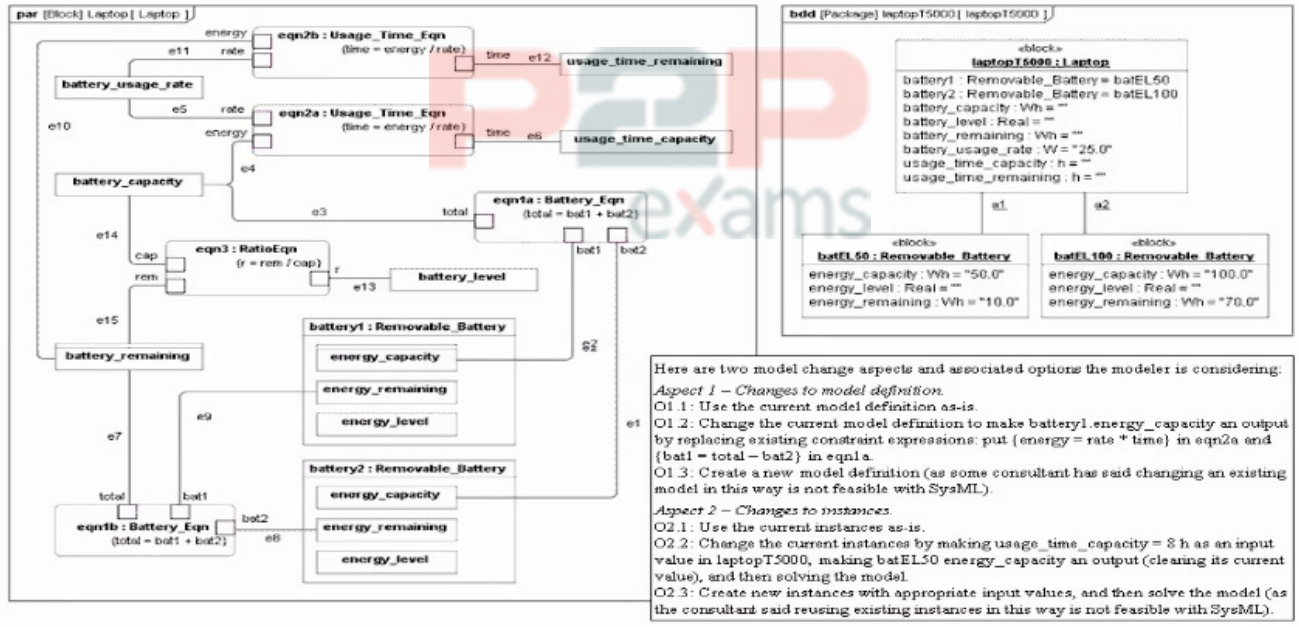
A

Question 3

Question Type: MultipleChoice

Choose the correct answer.

The essentials of a laptop battery capacity model are shown In the following diagrams (where the value types W, h and Wh stand for watl, hour, and watt-hour respectively). Assume that the instance values shown are inputs, and that nothing relevant has been omitted.



The designer needs to determine what the energy_capacity of battery 1 should be to enable a laptop usage_time_capacity time of 8 hours. Which combination of the options listed in the text box in the figure will achieve this Intent with minimal changes (including minimal new aspects)?

Options:

A- O1.1 and O2 1
B- O1.1 and O2 2
C- O1 1 and O2 3
D- O1.2 and O2.1
E- O1 7 and O2.2
F- O1.2 and O2.3
G- O1 3 and O2 3

Answer:

C

Question 4

Question Type: MultipleChoice

Choose the correct answer

What is the statement "An activity specifies the behavior of a use case?

Options:

A- a constraint defined in SysML
B- a guideline from a methodology
C- a constraint of the activity element
D- a constraint of the use case element

Answer:

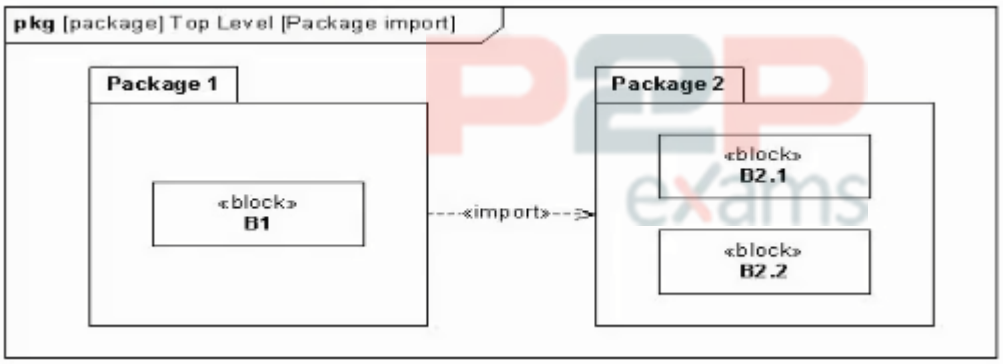
A

Question 5

Question Type: MultipleChoice

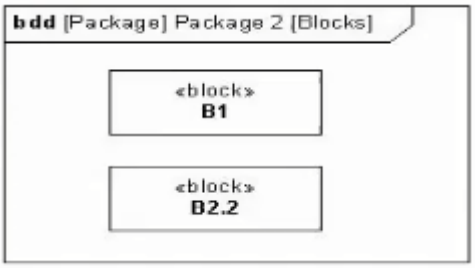
Choose the correct answer.

Given the following diagram:

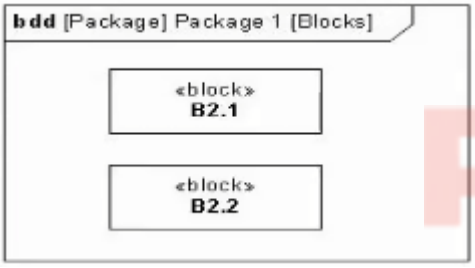


Which diagram is correct?

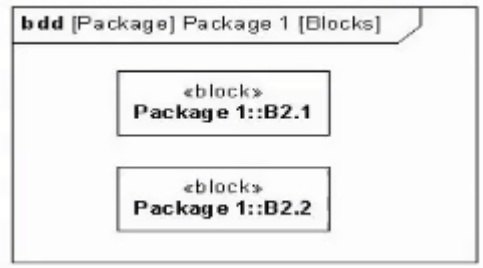
A)



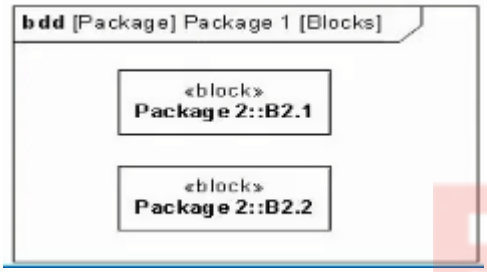
B)



C)



D)



Options:

A- Option A
B- Option B
C- Option C
D- Option D

Answer:

C

Question 6

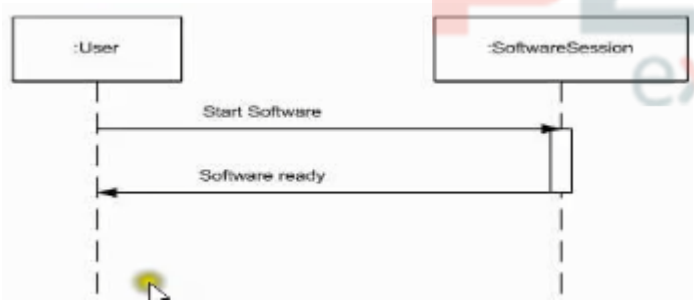
Question Type: MultipleChoice

Choose the correct answer

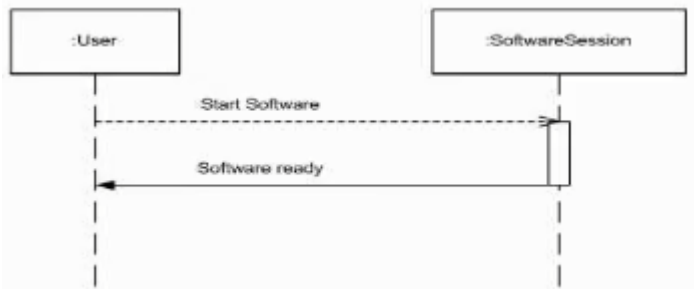
A sequence diagram depicts the beginning of a user's session with a piece of interactive software . The diagram must show that the --Software Session is created by some activity of the .User.

Which sequence diagram fragment expresses this?

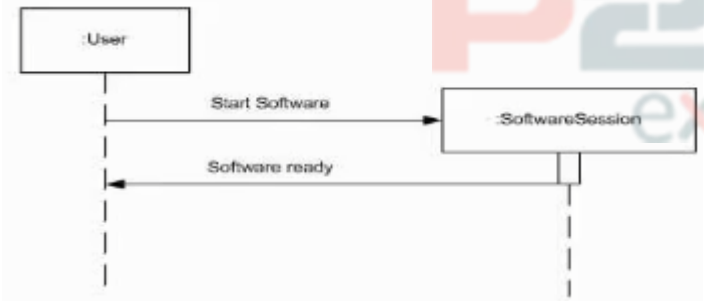
A)



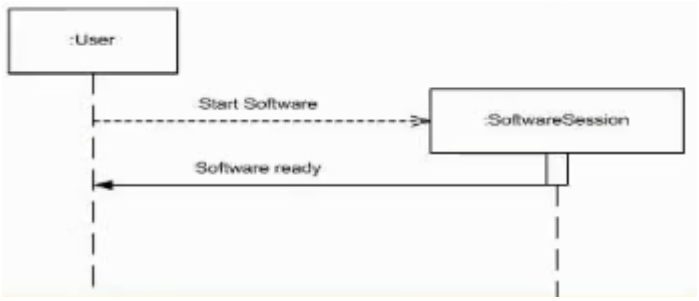
B)



C)



D)



Options:

A- Option A
B- Option B
C- Option C
D- Option D

Answer:

B

Question 7

Question Type: MultipleChoice

Choose the correct answer

Where may constraint blocks be defined?

Options:

A- on any diagram
B- only on parametric diagrams
C- only on block definition diagrams
D- only on block definition diagrams or package diagrams
E- only on block definition diagrams or internal block diagrams
E- only on block definition diagrams or parametric diagrams

Answer:

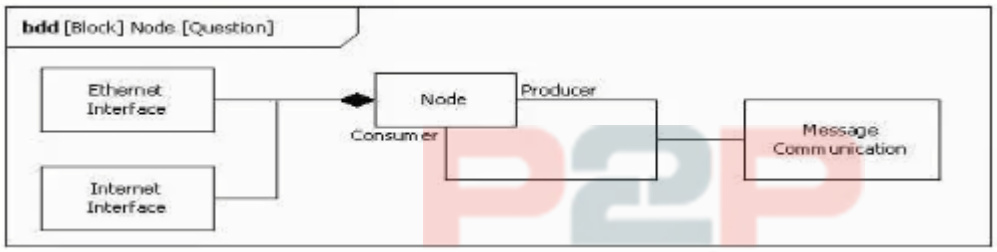
D

Question 8

Question Type: MultipleChoice

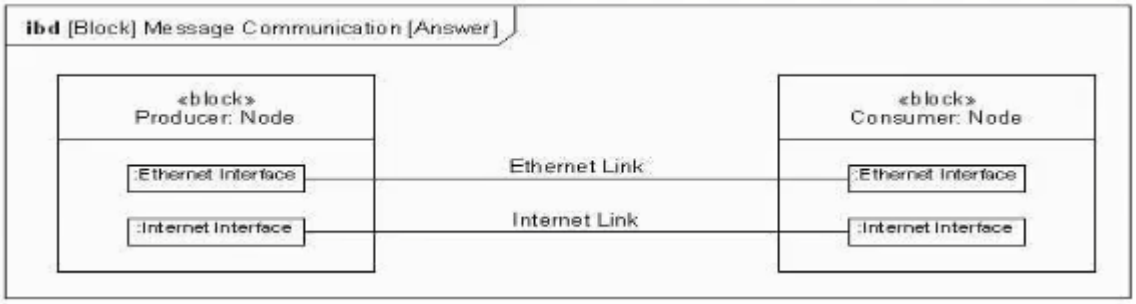
Choose the correct answer.

Given the following bdd:

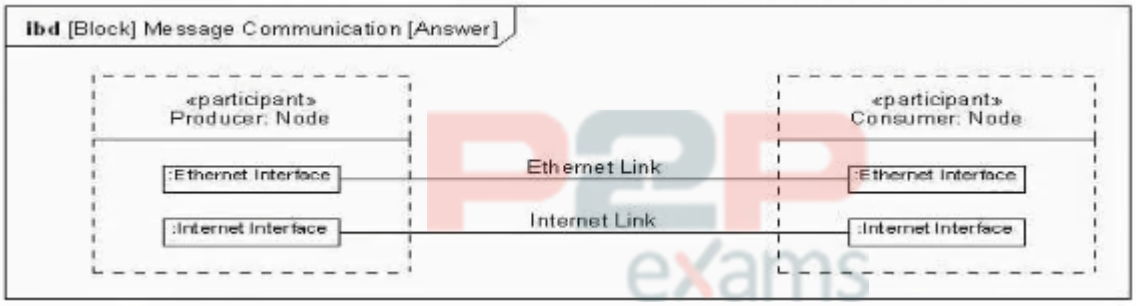


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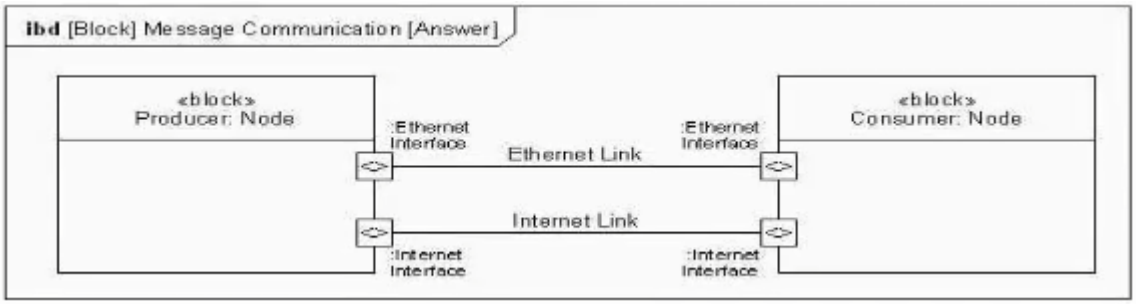
A)



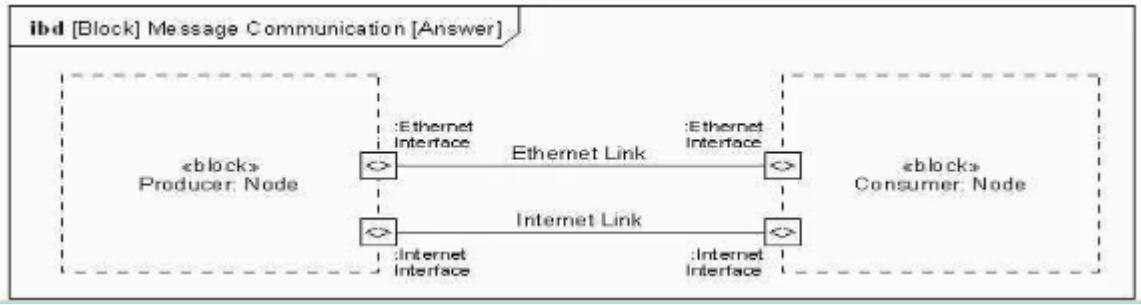
B)



C)



D)



Options:

A- Option A
B- Option B
C- Option C
D- Option D

Answer:

C

Question 9

Question Type: MultipleChoice

Choose the correct answer.

When is it possibly useful to create property-specific types?

Options:

A- when a block is typed by another block with similar properties
B- when it is important to ensure uniform generalization of all blocks
C- when it is important to ensure uniform specialization of all block properties
D- when a block that types several part properties exists in multiple variants

Answer:

C

Question 10

Question Type: MultipleChoice

Choose the correct answer.

Which SysML construct specifies a probability distribution to the values of a property such as a basic interval distribution between min and max?

Options:

A- a range property
B- an interval property
C- a probability property
D- a distributed property

Answer:

A

Question 11

Question Type: MultipleChoice

Choose the correct answer

In a state machine which behavior can be interrupted by a transition which leaves the current state?

Options:

A- a do behavior
B- an entry behavior
C- an exit behavior
D- the effect of an internal transition

Answer:

A

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