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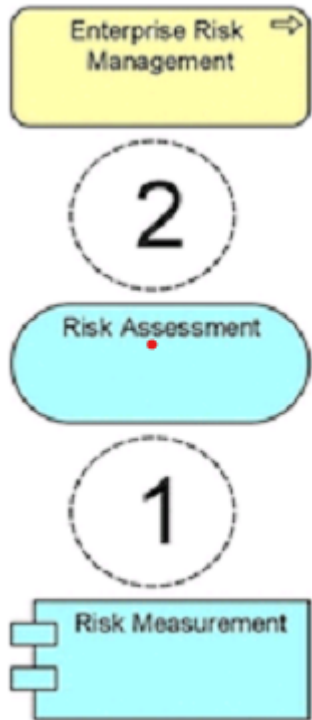
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Question 1

Question Type: MultipleChoice

A Risk Assessment service provided by a Risk Measurement application enables actuaries to assess and mitigate financial risks as part of the Enterprise Risk Management process



Which combination of relationships, when added to this diagram, would best represent this situation?

Options:

- A- Realization and 2. Serving
- B- Realization and 2. Assignment
- C- Realization and 2. Realization
- D- Serving and 2. Realization

Answer:

A

Explanation:

Based on the ArchiMate 3 documents or objectives, a realization relationship indicates that an entity plays a critical role in the creation, achievement, sustenance, or operation of a more abstract entity. A serving relationship models that an element provides its functionality to another element. The diagram should use a realization relationship from the Risk Assessment service to the Enterprise Risk Management process to indicate that the service realizes the process. The diagram should also use a serving relationship from the Risk Measurement application to the Risk Assessment service to indicate that the application serves the service.

Question 2

Question Type: MultipleChoice

Complete the sentence. The ArchiMate standard provides a set of entities and relationships for

Options:

- A- modeling detailed workflow
- B- providing fine-grained descriptions of business motivation
- C- representing Architecture Description
- D- supporting a fixed set of diagram types

Answer:

C

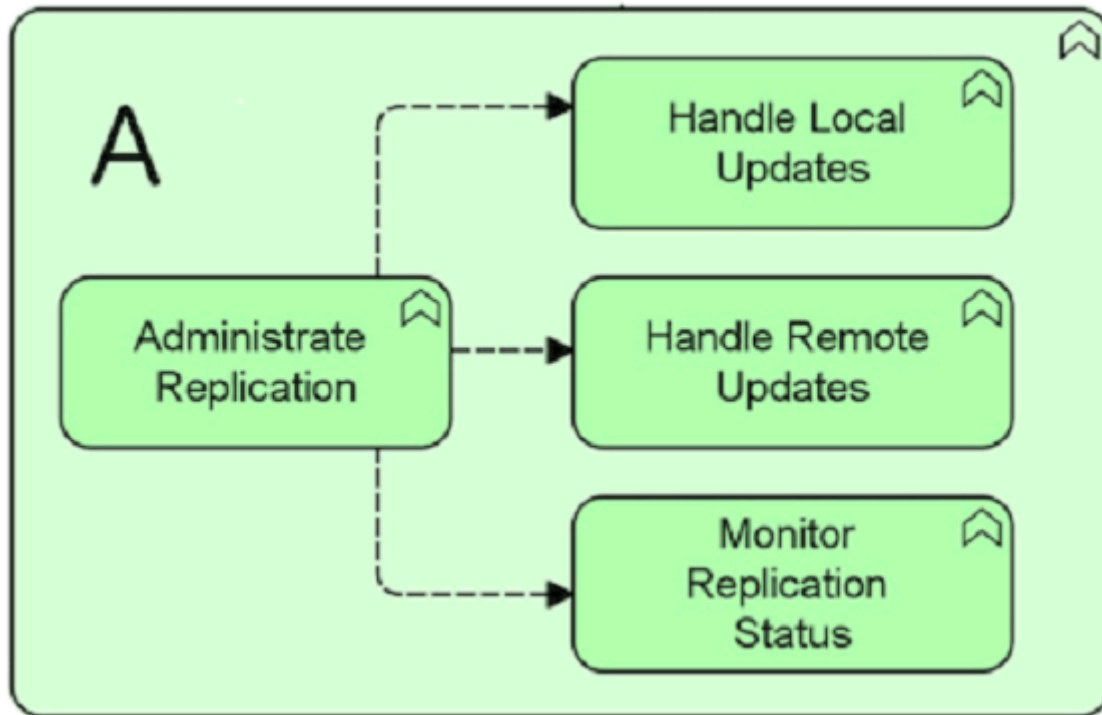
Explanation:

Based on the ArchiMate 3 documents or objectives, the ArchiMate standard provides a set of entities and relationships for representing Architecture Description. Architecture Description is a work product used to express an architecture for a system-of-interest. The ArchiMate language is an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms.

Question 3

Question Type: MultipleChoice

Consider the following diagram:



What correctly describes this diagram?

Options:

- A-** Four technology functions realize technology function A. The first function, Administrative Replication, triggers the other three functions in parallel.
- B-** Technology process A aggregates four technology services. The Administrative Replication service is broken down into three other services.
- C-** Technology function A is composed of four technology processes. The technology process Administrative Replication reads information from the three other processes.
- D-** Technology function A is composed of four technology functions. Information flows from Administrative Replication to the other functions.

Answer:

D

Explanation:

Based on the ArchiMate 3 documents or objectives, a technology function represents a collection of technology behavior that can be performed by a node. The diagram uses a composition relationship to indicate that technology function A consists of four other technology functions. The notation for a composition relationship is a solid line with a filled diamond at the end that points to the whole element. The diagram also uses an information flow relationship to indicate that information is exchanged from Administrative Replication to the other functions. The notation for an information flow relationship is a dashed line with an open arrowhead at the end that points to the direction of the flow.

Question 4

Question Type: MultipleChoice

Which of the following is a Passive Structure Element?

Options:

- A- Application Component
- B- Actor
- C- Event
- D- Data Object

Answer:

D

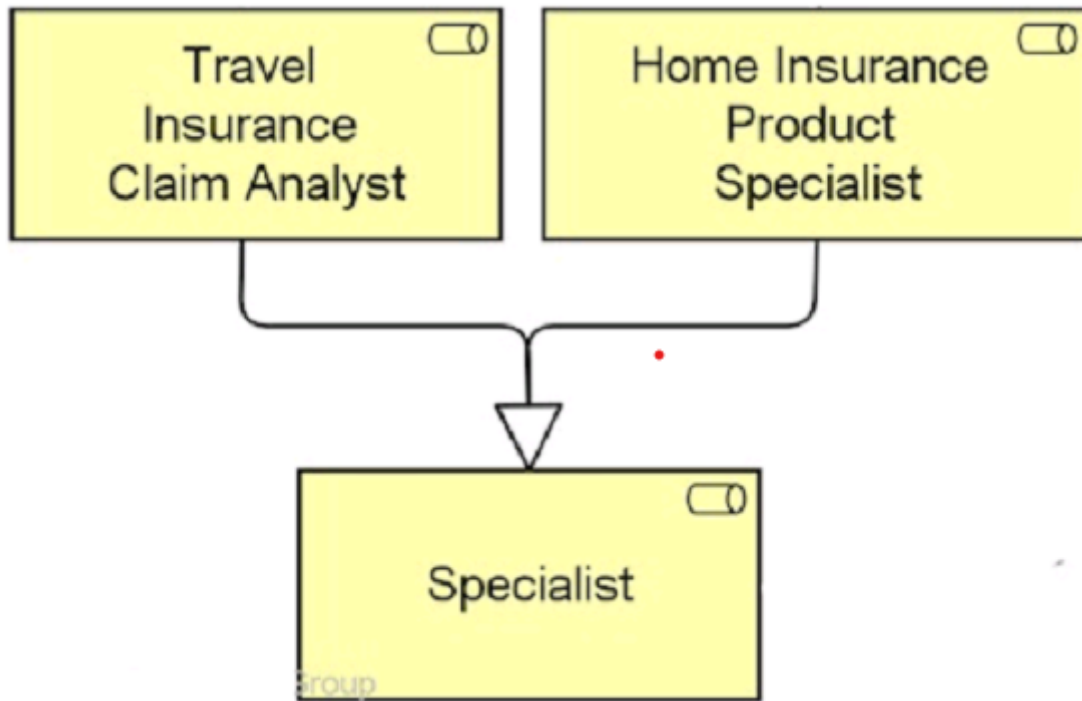
Explanation:

Based on the ArchiMate 3 documents or objectives, a data object is a passive structure element that represents a piece of data that can be manipulated by behavior elements such as application functions or services. A passive structure element is a structural element that cannot perform behavior. Active structure elements can perform behavior on passive structure elements.

Question 5

Question Type: MultipleChoice

Consider the following diagram:



Which of the following correctly describes this diagram?

Options:

- A-** The two business roles Travel Insurance Claim Analyst and Home Insurance Product Specialist are specializations of the business role Specialist
- B-** The business role Specialist approves all claims handled by the two business roles Travel Insurance Claim Analyst and Home Insurance Product Specialist

C- The two business roles Travel Insurance Claim Analyst and Home Insurance Product Specialist together realize the business role Specialist.

D- The business role Specialist is an aggregation of the two business roles Travel Insurance Claim Analyst and Home Insurance Product Specialist.

Answer:

A

Explanation:

Based on the ArchiMate 3 documents or objectives, the diagram uses a specialization relationship to indicate that the two business roles Travel Insurance Claim Analyst and Home Insurance Product Specialist are more specific versions of the business role Specialist. A specialization relationship is a type of structural relationship that indicates that an object is a specialization of another object. The notation for a specialization relationship is a solid line with an empty triangle at the end that points to the more general element.

Question 6

Question Type: MultipleChoice

In the Implementation & Migration elements metamodel, which is the only element that models behavior?

Options:

A- Gap

B- Plateau

C- Work Package

D- Deliverable

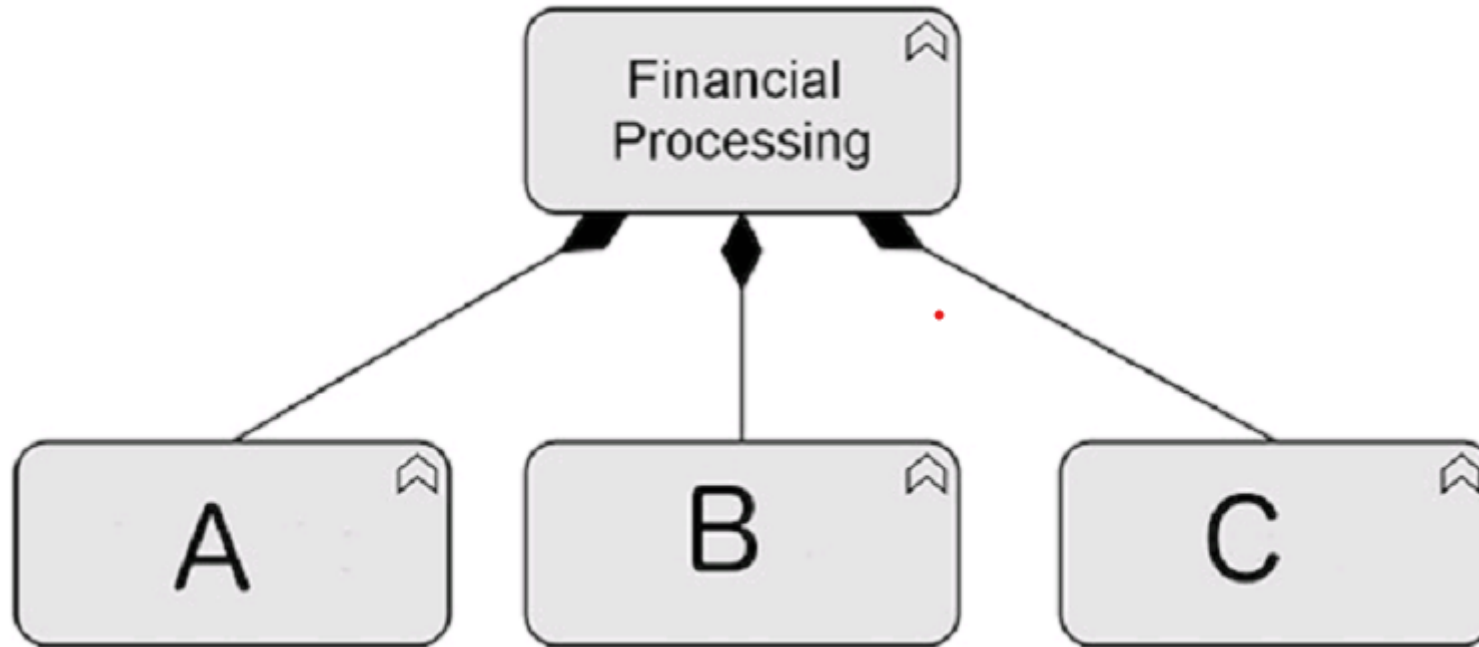
Answer:

C

Question 7

Question Type: MultipleChoice

Consider the following diagram:



Which of the following is the correct description of the diagram?

Options:

- A-** The financial processing function aggregates the three sub-functions A, B, and C.
- B-** The financial processing function is influenced by the three sub-functions A, B, and C.
- C-** The financial processing function is assigned the three sub-functions A, B, and C.

D- The financial processing function is composed of three sub-functions A, B, and C.

Answer:

D

Explanation:

Based on the ArchiMate 3 documents or objectives, the diagram uses a composition relationship to indicate that the financial processing function consists of three sub-functions A, B, and C. A composition relationship is a type of structural relationship that represents a whole-part hierarchy between elements. The notation for a composition relationship is a solid line with a filled diamond at the end that points to the whole element.

Question 8

Question Type: MultipleChoice

Which of the following is a composite element?

Options:

A- Grouping

B- Course of Action

C- Aggregation

D- Contract

Answer:

A

Explanation:

This is because a grouping is a composite element that aggregates or groups other elements based on some common characteristic or purpose. A course of action is a motivation element that represents an approach or plan for achieving some goal. An aggregation is a structural relationship that models the whole-part hierarchy between elements. A contract is a passive structure element that represents a formal or informal specification of an agreement between a provider and a consumer that specifies the rights and obligations associated with a product or service.

ased on the ArchiMate 3 documents or objectives, a grouping is a composite element that consists of other concepts, from one or more aspects or layers of the ArchiMate language. A grouping can be used to model a logical or physical grouping of elements that belong together based on some criteri

a. A grouping can itself aggregate or compose other groupings, leading to a hierarchy of these elements.

Question 9

Question Type: MultipleChoice

Relationships are classified in a number of categories as shown below What are A, B and C?

Options:

- A- Aggregation, assignment, realization
- B- Derived, Internal, External
- C- Passive, Behavior, Active
- D- Structural, dependency, dynamic

Answer:

D

Explanation:

This is because the diagram shows the three main categories of relationships in ArchiMate: structural relationships, which model the static construction or composition of concepts; dependency relationships, which model how elements depend on or use other elements; and dynamic relationships, which model the temporal or causal connections between elements.

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