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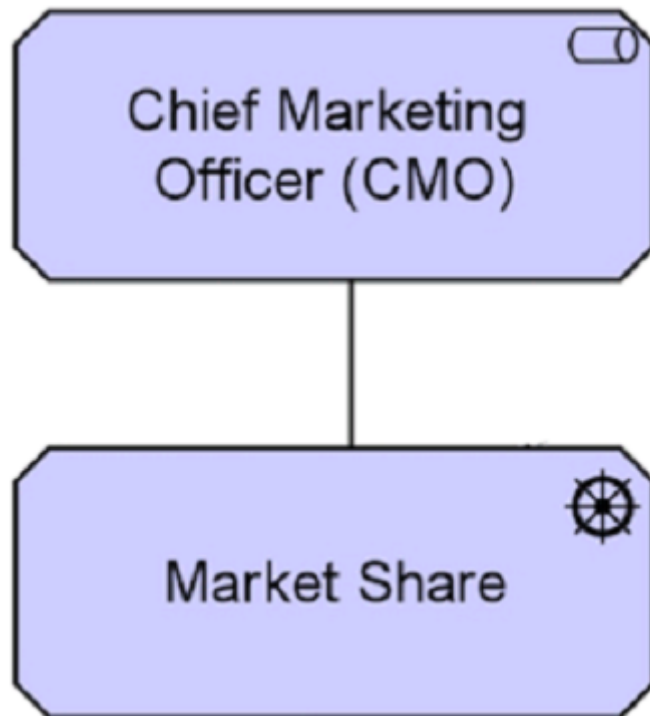
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Question 1

Question Type: MultipleChoice

Which of the following answers best interprets the diagram?



Options:

- A- The CMO is concerned with the driver Market Share.
- B- The CMO is motivated by the driver Market Share.
- C- The CMO has a requirement to increase Market Share.
- D- The CMO has a goal related to Market Share

Answer:

B

Explanation:

According to the ArchiMate 3.2 Specification¹, a driver represents an external or internal condition that motivates an organization to define its goals and implement the changes necessary to achieve them. Drivers that are associated with a stakeholder are often called "concerns" of that stakeholder. A stakeholder represents the role of an individual, team, or organization (or classes thereof) that represents their interests in the outcome of the architecture. A motivation element is an element that represents the reasons for designing and implementing an architecture, such as stakeholders, drivers, goals, principles, requirements, or value. A motivation element is denoted by a hexagonal shape.

The diagram below shows a motivation element (driver) named Market Share that influences a stakeholder named CMO. The influence relationship is denoted by a dashed line with an open arrowhead.

The influence relationship means that the driver affects the stakeholder's interests or concerns. Therefore, the best interpretation of the diagram is that the CMO is motivated by the driver Market Share.

Question 2

Question Type: MultipleChoice

What element type is denoted by the symbol below using the standard notation conventions?



Options:

A- Behavior element

B- Structure element

C- Physical element

D- Motivation element

Answer:

B

Explanation:

According to the standard notation conventions, a structure element is denoted by a rectangle with rounded corners. A structure element represents an entity that has a state and exhibits some behavior. Examples of structure elements are actors, roles, components, nodes, and objects.

Question 3

Question Type: MultipleChoice

Complete the sentence. In the Technology Layer metamodel, a communication network

a path_

Options:

A- realizes

B- serves

C- aggregates

D- accesses

Answer:

A

Explanation:

According to the Technology Layer metamodel, a communication network is a physical communication medium between two or more devices or other networks. A communication network realizes a path, which is a relation between two or more nodes through which they can exchange information.

Question 4

Question Type: MultipleChoice

Complete the sentence. The passive counterpart of the application component in the application layer is called a(n)_____

Options:

A- Meaning

B- Product

C- Data object

D- Application event

Answer:

C

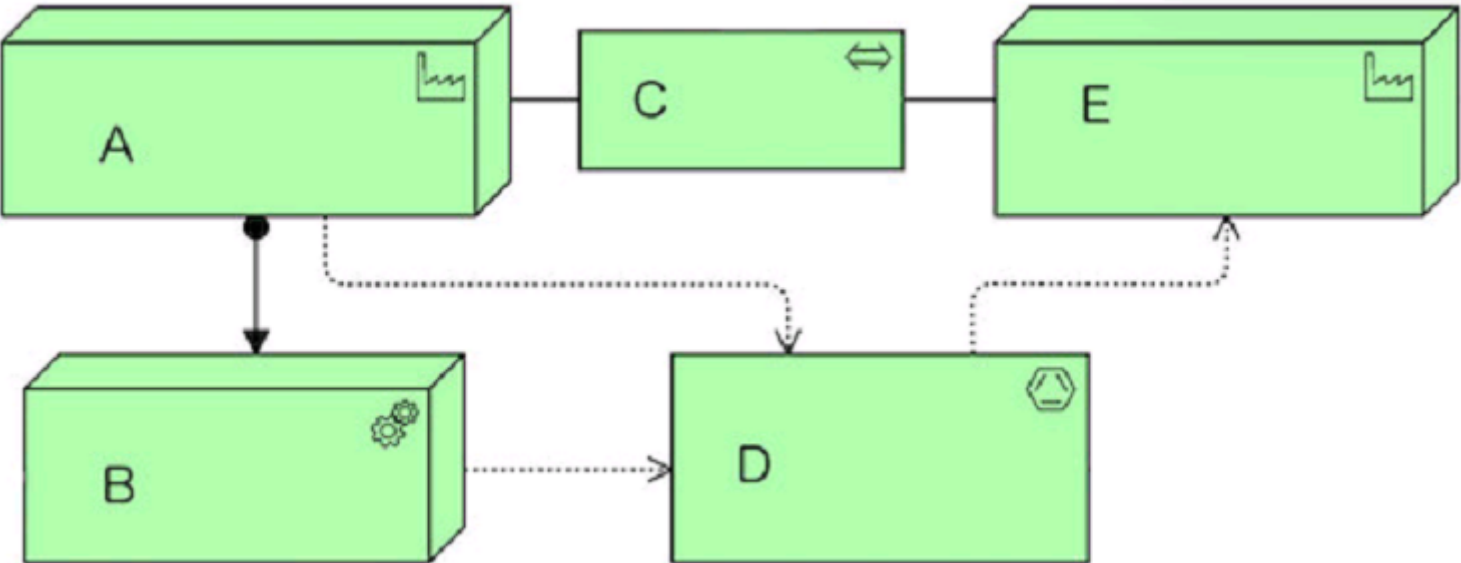
Explanation:

According to the application layer metamodel, the passive counterpart of the application component is the data object, which represents data structured for automated processing. A data object can be accessed or manipulated by an application component or an application function.

Question 5

Question Type: MultipleChoice

Consider the following diagram:



What are elements A, B, and C?

Options:

A- A=Product10n process, B=Finished Material, C=Transport network

B- A---Factory B=Raw material, C=Transportation

C- A=Facility, Equipment, C=Distribution network

D- A=Equipment, B:Facillty, C=Distribution channel

Answer:

D

Explanation:

The diagram uses the ArchiMate notation for physical elements, which are used to model physical concepts like machines, physical installations, materials, and distribution networks. A is an equipment element, which represents a physical machine, tool, or instrument that can create, use, store, move, or transform materials. B is a material element, which represents tangible physical matter or energy. C is a distribution network element, which represents a physical network used to transport materials or energy.

Question 6

Question Type: MultipleChoice

Complete the sentence. In the physical elements metamodel, a facility is a specialization of a _____

Options:

- A- Technology service
- B- path
- C- Technology interaction
- D- Node

Answer:

D

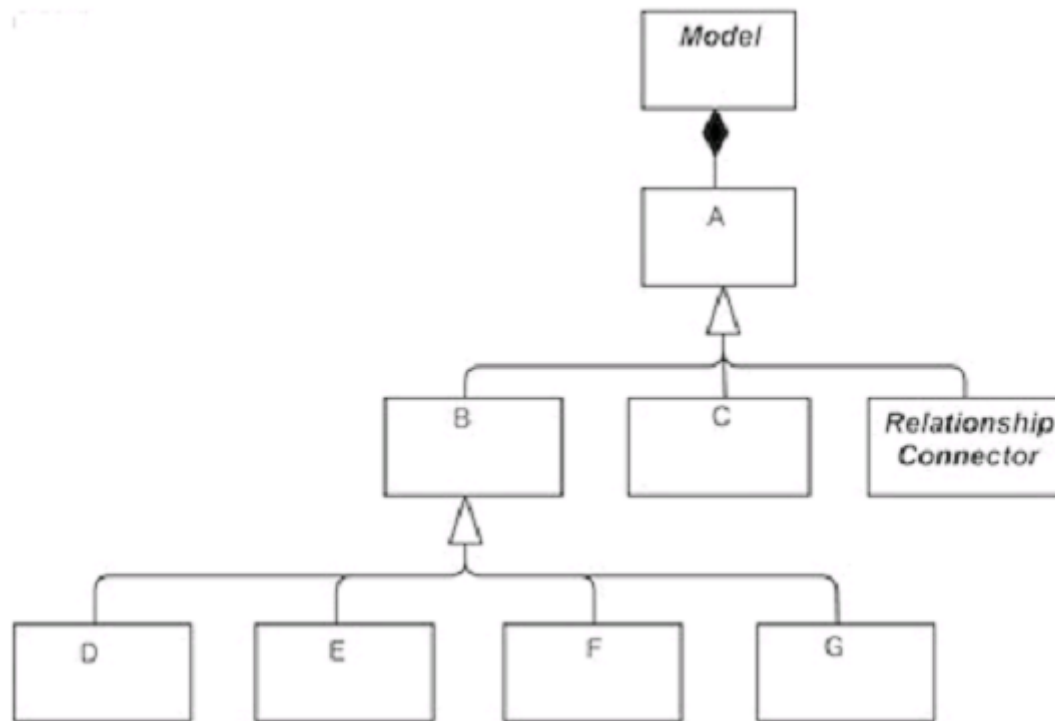
Explanation:

According to the physical elements metamodel, a facility is a specialization of a node, which is an active structure element that represents a computational or physical resource that hosts, manipulates, or interacts with other computational or physical resources. A facility can be used to model physical buildings or locations.

Question 7

Question Type: MultipleChoice

Consider the top-level hierarchical structure of the ArchiMate Language shown below:



What do A and B denote?

Options:

A- A=Element, B=Core Element

B- A=Element, B=Relationship

C- A-Concept, B-Element

D- A-Metamodel, B-Event

Answer:

C

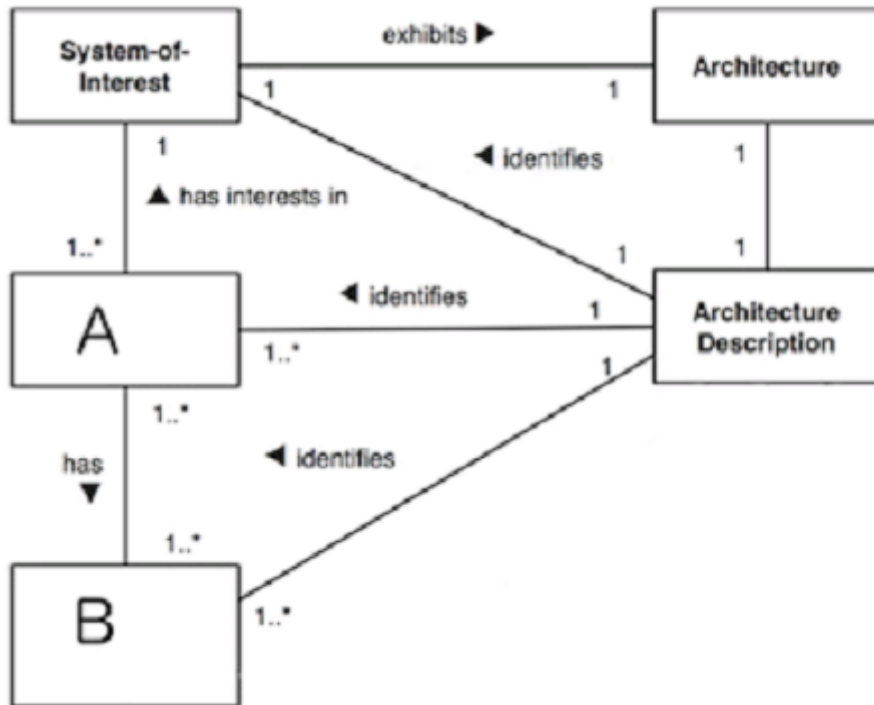
Explanation:

According to the ArchiMate language structure, a concept is either an element or a relationship. An element is either a behavior element, a structure element, a motivation element, or a composite element. A and B in the diagram correspond to these concepts respectively.

Question 8

Question Type: MultipleChoice

Consider the following fragment of the conceptual model of an Architecture Description from ISO/IEC 42010:



Which answer correctly identifies A and B?

Options:

A- A=Stakeholder, B=Concern

B- A=Architecture View, B=Architecture Viewpoint

C- A-Model Kind, B-Model

D- A=Whole System, B=Aspects

Answer:

B

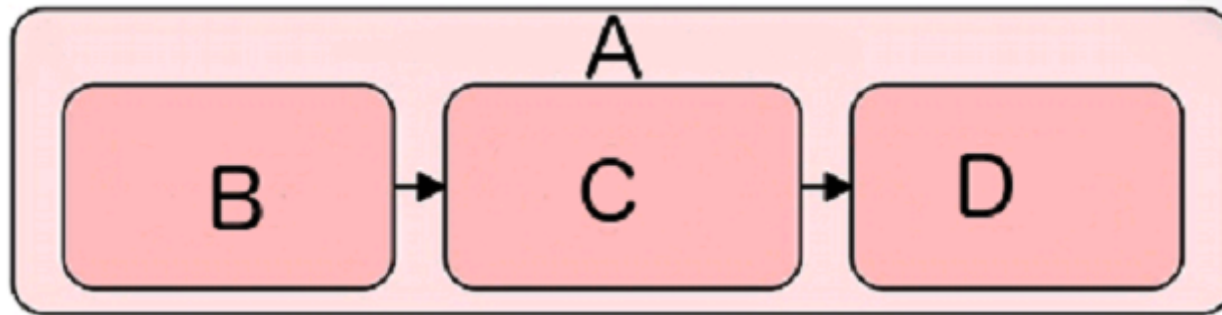
Explanation:

According to the conceptual model of architecture description from ISO/IEC 42010, an architecture view is a representation of a system from the perspective of a set of concerns. An architecture viewpoint is a specification of the conventions and rules for constructing and using an architecture view. A and B in the diagram correspond to these concepts respectively.

Question 9

Question Type: MultipleChoice

Which answer correctly describes the four elements (A, B, C, and D) shown in this diagram?



Options:

- A- A plateau and deliverables
- B- Project components
- C- Work packages
- D- Business processes

Answer:

C

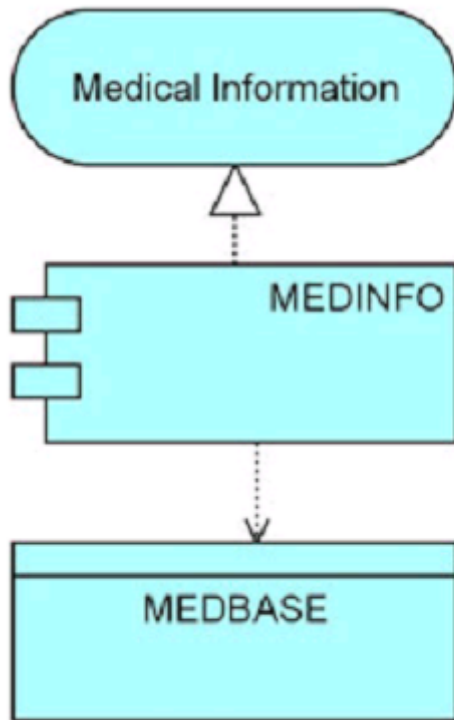
Explanation:

The diagram shows a work package, which is a grouping of behavior and/or structure elements that can be assigned to one or more performers. A work package can be used to model a project or a program, and it can contain deliverables, which are outcomes of the work package. The four elements (A, B, C, and D) are all deliverables that are part of the work package.

Question 10

Question Type: MultipleChoice

Consider the following diagram showing a system used for settling injury claims:



Which answer correctly describes this diagram?

Options:

- A- The MEDINFO application realizes the Medical Information service, and accesses a data object called MEDBASE-
- B- The MEDINFO application serves the Medical Information department, and accesses a data object called MEDBASE_

- C- The Medical Information application uses a back-end module called MEDINFO to access a data object called MEDBASE.
- D- The MED8ASE application uses MEDINFO middleware to present the Medical Information user interface.

Answer:

A

Explanation:

Based on the ArchiMate 3 documents or objectives, an application component represents a modular, deployable, and replaceable part of a software system that encapsulates its behavior and dat

a. An application service represents an explicitly defined exposed application behavior. A data object represents data structured for automated processing. A realization relationship indicates that an entity plays a critical role in the creation, achievement, sustenance, or operation of a more abstract entity. An access relationship models the ability of behavior and active structure elements to observe or act upon passive structure elements. The diagram uses a realization relationship from the MEDINFO application component to the Medical Information service to indicate that the application component realizes the service. The diagram also uses an access relationship from the MEDINFO application component to the MEDBASE data object to indicate that the application component accesses the data object.

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