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Exam : **OGA-031**

Title : ArchiMate 3 Part 1 Examination

Version : DEMO

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

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.

References: Technology Layer in ArchiMate Part 1 - Metamodel1; ArchiMate® 3.2 Specification, Chapter 10: Technology Layer2.

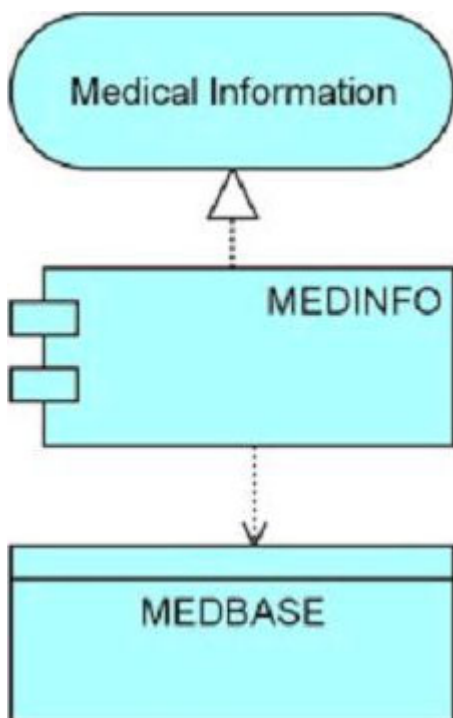2.What physical element is used to model buildings that have an important role in production processes?

A. Facility

B. Manufacturing Plant

C. Distribution node

D. Equipment

Answer: A

Explanation:

According to the ArchiMate® 3.2 Specification 1, a facility is a physical element that is used to model buildings that have an important role in production processes. A facility represents a physical structure or environment1. Therefore, the correct answer is A. Facility.

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

Which answer correctly describes this diagram?

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.

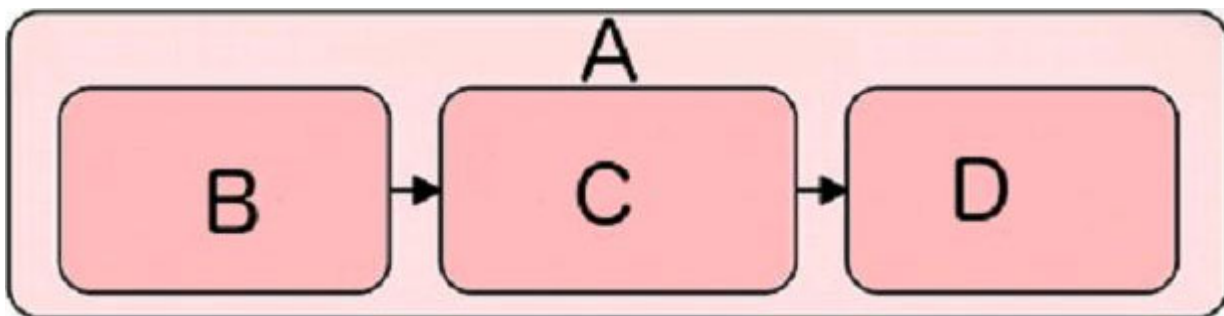D. The MED8ASE application uses MEDINFO middleware to present the Medical Information user interface.

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 data. 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.

References: ArchiMate® 3.2 Specification, Chapter 10 Application Layer, Section 10.1 Active Structure Elements 1; ArchiMate® 3.2 Specification, Chapter 10 Application Layer, Section 10.3 Behavior Elements 1; ArchiMate® 3.2 Specification, Chapter 5 Relationships, Section 5.1 Structural Relationships 1; ArchiMate® 3.2 Specification, Chapter 5 Relationships, Section 5.3 Access Relationships 1; ArchiMate Example: Application Components - Visual Paradigm 2.

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

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.
References: ArchiMate® 3.2 Specification, Chapter 10: Motivation Elements, Section 10.4 Work Package1; Chapter 11: Strategy Elements, Section 11.5 Deliverable2.

5.Consider the following symbol, which represents information about a transformation project.

What concept does this symbol represent?
A. A principle
B. A constraint
C. A goal
D. A requirement
Answer: A
Explanation:
According to the ArchiMate® 3.2 Specification 1, a principle defines a general property that applies to any system in a certain context. A principle is a normative property of all systems in a given context that expresses a fundamental value or property1.
Therefore, the correct answer is A. A principle.