

The Open Group Certification for People

ArchiMate[®] 3 Part 1 Practice Test

Version 1.01
March 2017



This Practice Test is representative of the content covered in the ArchiMate 3 Part 1 Examination. It includes question formats found in the actual examination. It also includes questions of varying difficulty. A candidate's performance on this Practice Test does not guarantee similar performance on the actual examination.

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1. Instructions

This is a simple multiple-choice test. This test should be taken as a closed book test. There is one correct answer for each question, scoring 1 (one) point. You need to score 24 or more points out of a maximum of 40 to pass this test (60%).

Please read each question carefully before reading the answer options. Be aware that some questions may seem to have more than one right answer, but you are to look for the one that makes the most sense and is the most correct (such a question will ask for the best answer).

2. Examination

Item 1

Question:

Which of the following best describes the ArchiMate modeling language?

- A. An architecture description language
- B. A graphical Enterprise Architecture modeling language
- C. A software development modeling language
- D. A textual modeling language for Enterprise Architectures

Item 2

Question:

Complete the sentence: The ArchiMate Core Framework is

- A. an abstraction of the ArchiMate Framework at which an enterprise can be modeled
- B. a reference structure used to classify elements of the ArchiMate core language
- C. the central part of the ArchiMate language that defines the concepts and relationships to model Enterprise Architectures
- D. a description of the top-level language structure

Item 3

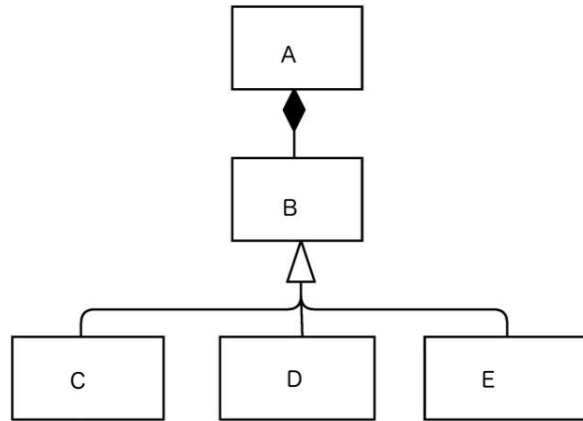
Question:

Which of the following is a collection of concepts?

- A. Element
- B. Layer
- C. Model
- D. Relationship

Item 4

Consider the following extract of the diagram of the top-level hierarchical structure of the ArchiMate Language:



Question:

If B is a Concept, what do C and D denote?

- A. Behavior element, structure element
- B. Concept, element
- C. Composite element, core element
- D. Element, relationship

Item 5

Consider the following symbol for an element shown using the standard notation:



Question:

What type of element does this denote?

- A. Active structure
- B. Behavior
- C. Composite
- D. Motivation

Item 6

Question:

Which of the following is a layer in the ArchiMate Full Framework that is not present in the ArchiMate Core Framework?

- A. Application
- B. Business
- C. Strategy
- D. Technology

Item 7

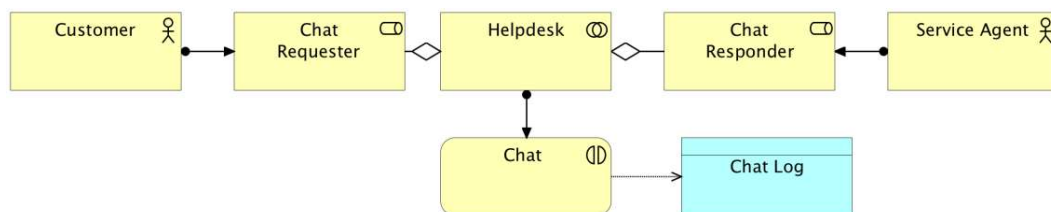
Question:

What type of elements are business actors and application components?

- A. Active structure
- B. Behavior
- C. Composite
- D. Passive structure

Item 8

Consider the following diagram representing a helpdesk with a chat facility that enables customers to contact a service agent.



Question:

Which of the following statements about the diagram is true?

- A. Customer and Service Agent are passive structure elements.
- B. Customer is an active structure element and Chat Requester is a passive structure element.
- C. Chat is a behavior element and Chat Responder is an active structure element.
- D. Chat Log is a passive structure element and Chat is an active structure element.

Item 9

Question:

What type of behavior element is one that denotes a state change?

- A. Activity
- B. Event
- C. Function
- D. Interaction

Item 10

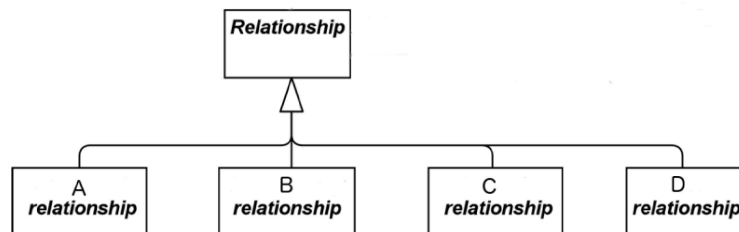
Question:

What element type includes grouping and location?

- A. Active structure
- B. Aggregate
- C. Composite
- D. Passive structure

Item 11

Consider the following diagram showing an extract of the ArchiMate metamodel for relationships:



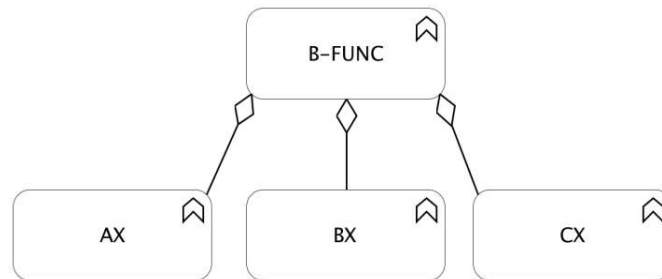
Question:

If B is dependency, what are A and C?

- A. Active, dynamic
- B. Influence, access
- C. Structural, dynamic
- D. Triggering, flow

Item 12

Consider the following diagram:



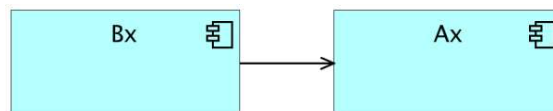
Question:

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

- A. The B-FUNC function aggregates the three functions AX, BX, and CX.
- B. The B-FUNC function is composed of the three functions AX, BX, and CX.
- C. The functions AX, BX, and CX are specializations of the function B-FUNC.
- D. The B-FUNC function is realized by the three functions AX, BX, and CX.

Item 13

Consider the following diagram:



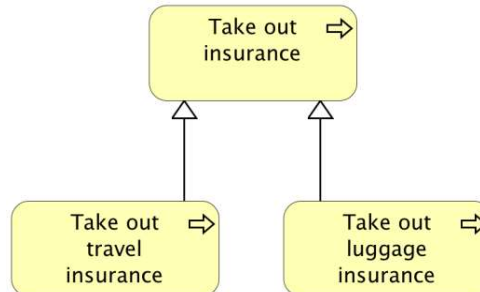
Question:

What is the correct description of this diagram?

- A. The Bx application component realizes the Ax application component.
- B. Information flows from the Bx application component to the Ax application component.
- C. The Bx application component triggers the Ax application component.
- D. The Ax application component is served by the Bx application component.

Item 14

Consider the following diagram:



Question:

Which of the following relationships is being shown in the diagram?

- A. Aggregation
- B. Composition
- C. Realization
- D. Specialization

Item 15

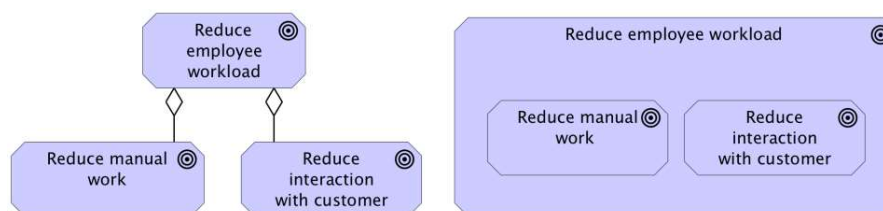
Question:

Complete the sentence: In the motivation elements metamodel, stakeholder is a specialization of a(n)

- A. active structure element
- B. behavior element
- C. business role element
- D. passive structure element

Item 16

Consider the following diagrams:



Consider the following statements about the diagrams:

1. The diagram on the left shows a requirement to reduce workload driven by two drivers.

2. The diagram on the right is equivalent to that on the left.
3. The diagram on the left shows a disaggregation of a goal into two sub-goals.
4. The diagram on the right shows an aggregation of two goals to achieve the goal “Reduce employee workload”.

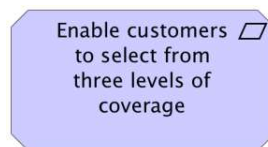
Question:

Which of the following is most correct?

- A. Statements 1 and 3 are true.
- B. Statements 2 and 4 are true.
- C. Statements 2 and 3 are true.
- D. Statements 2, 3, and 4 are true.

Item 17

Consider the following symbol that represents information about a transformation project:



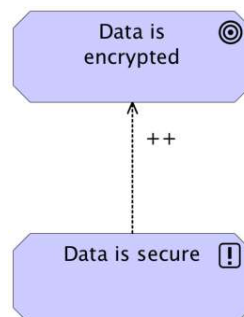
Question:

What does this symbol represent?

- A. Constraint
- B. Goal
- C. Principle
- D. Requirement

Item 18

Consider the following diagram:



Question:

Which of the following best interprets the diagram?

- A. The goal Data is encrypted realizes the requirement that Data is secure.
- B. The principle Data is secure has a positive influence on the goal Data is encrypted.
- C. Data is secure is a concern that has a positive influence on the goal Data is encrypted.
- D. Data is secure is a constraint that has a positive influence on the goal Data is encrypted.

Item 19

Question:

Which of the elements in the strategy layer is a structure element?

- A. Capability
- B. Course of action
- C. Outcome
- D. Resource

Item 20

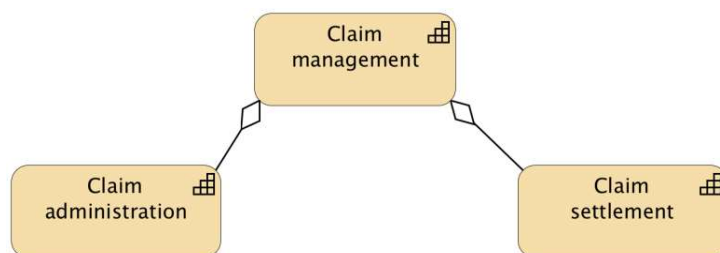
Question:

What can be categorized as either a strategy or tactic?

- A. A capability
- B. A constraint
- C. A course of action
- D. An outcome

Item 21

Consider the following diagram:



Question:

Which of the following correctly interprets this diagram?

- A. The Claim administration and Claim settlement resources realize the Claim management resource.
- B. The Claim management capability aggregates the Claim administration and Claim settlement capabilities.
- C. Information flows from Claim administration and Claim settlement to the Claim management entity.
- D. The Claim management entity is a specialization of the other two entries.

Item 22

Question:

Which Business layer element is defined as: “A collection of business behavior based on a chosen set of criteria (typically required business resources and/or competencies), closely aligned to an organization, but not necessarily governed by the organization”?

- A. Business activity
- B. Business function
- C. Business interaction
- D. Business process

Item 23

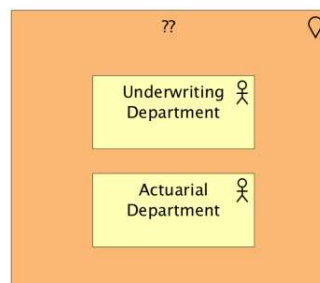
Question:

In the Business Layer, what are the three types of internal active structure elements?

- A. Business actor, business role, business collaboration
- B. Business service, business interface, business interaction
- C. Business process, business function, business event
- D. Business object, business activity, business rule

Item 24

Consider the following diagram that provides information on the organization of departments at ArchiSurance:



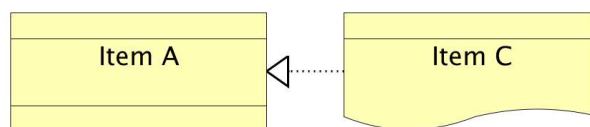
Question:

Which of the following correctly interprets the diagram?

- A. The departments share a set of principles.
- B. The departments are combined into a larger organization.
- C. The departments share the same location.
- D. The departments share information with each other.

Item 25

Consider the following diagram:



Question:

Which of the following correctly describes this diagram?

- A. The representation Item C realizes the contract Item A.
- B. Item A is a representation of Item C.
- C. A contract Item A is a specialization of the business object Item C.
- D. A product Item A composes the business object Item C.

Item 26

Consider the following diagram:



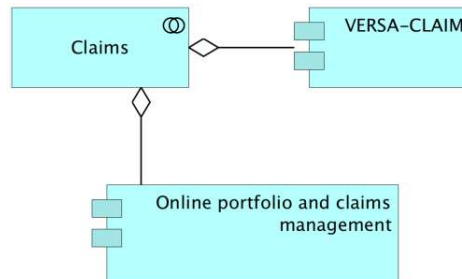
Question:

What Application Layer element, labeled “Transaction data exchange”, is shown in the diagram?

- A. Application collaboration
- B. Application interaction
- C. Application interface
- D. Application process

Item 27

Consider the following diagram:



Question:

Which of the following answers correctly describes this diagram?

- A. VERSA-CLAIM and “Online portfolio and claims management” are specializations of the Claims object.
- B. Claims is a collaboration of the VERSA-CLAIM and “Online portfolio and claims management” components.
- C. The Claims service is realized through the VERSA-CLAIM and “Online portfolio and claims management” components.
- D. A new application “Online portfolio and claims management” is being added to the Claims process which uses the VERSA-CLAIM component.

Item 28

Question:

Which of the following is an active structure element?

- A. Application collaboration
- B. Application event
- C. Application function
- D. Application process

Item 29

Question:

What Application Layer element is used to model the internal behavior of an application component?

- A. Application function
- B. Application collaboration
- C. Application event
- D. Application interface

Item 30

Consider the following diagram:



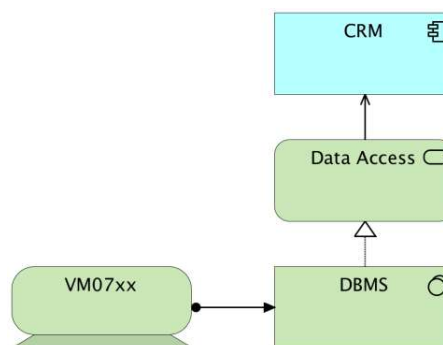
Question:

Which of the following best describes what this diagram represents?

- A. A network connecting two nodes
- B. A network connecting two devices
- C. A path connecting two nodes
- D. A path connecting two devices

Item 31

Consider the following diagram:



Question:

What ArchiMate element is shown in the diagram labeled “DBMS”??

- A. Application component
- B. Artifact
- C. System software
- D. Technology interface

Item 32

Question:

Which of the following Technology Layer elements is an active structure element?

- A. Technology collaboration
- B. Technology interaction
- C. Technology process
- D. Technology object

Item 33

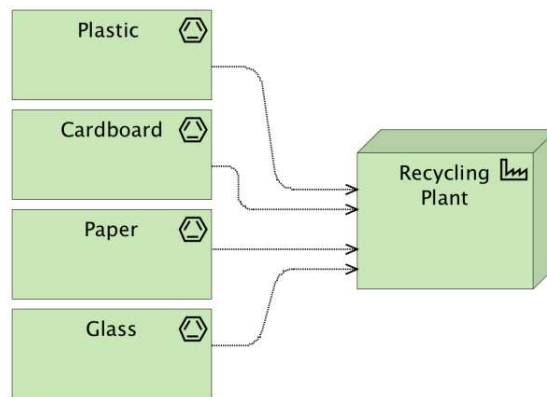
Question:

What physical element is a specialization of the node element from the Technology Layer?

- A. Distribution network
- B. Equipment
- C. Material
- D. Transportation infrastructure

Item 34

Consider the following diagram:



Question:

Which of the following describes this diagram?

- A. Equipment at the Recycling Plant is used to process Plastic, Cardboard, Paper, and Glass.
- B. There are four separate ways to transport Plastic, Cardboard, Paper, and Glass for recycling.
- C. The raw materials Plastic, Cardboard, Paper, and Glass are transported to the Recycling Plant.
- D. The Recycling Plant processes Plastic, Cardboard, Paper, and Glass.

Item 35

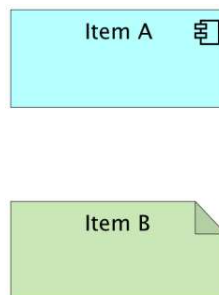
Question:

What physical element is an MRI scanner at a hospital an example of?

- A. Equipment
- B. Facility
- C. Material
- D. Node

Item 36

Consider the following diagram show two elements, Item A as an Application Layer element, and Item B as a Technology Layer element:



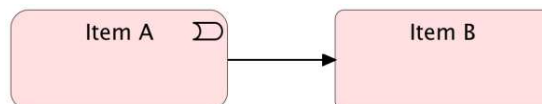
Question:

What direct relationship is permitted between the two elements?

- A. Access
- B. Aggregate
- C. Realization
- D. Serving

Item 37

Consider the following diagram showing two implementation and migration elements:



Question:

Which answer correctly describes this diagram?

- A. Information flows from Item A to work package Item B.
- B. The implementation event Item A triggers the work package Item B.

- C. The implementation event Item A provides a deliverable Item B.
- D. When the implementation event Item A occurs, it accesses deliverable Item B.

Item 38

Question:

Which implementation and migration element is defined as a “precisely defined outcome of a work package”?

- A. Deliverable
- B. Gap
- C. Plateau
- D. Project results

Item 39

Question:

Which of the following correctly identify the intended uses of a viewpoint?

- A. Viewpoints are designed for the purpose of communicating certain aspects of an architecture.
- B. Viewpoints are used to categorize architectural deliverables.
- C. Viewpoints are created to allow architects to showcase their work.
- D. Viewpoints are created to highlight individual metamodel elements.

Item 40

Question:

Which of the following governs an Architecture View?

- A. Architecture description
- B. Architecture model
- C. Architecture viewpoint
- D. Stakeholder

3. Answers

Item 1 B

Item 2 B

Item 3 C

Item 4 D

Item 5 B

Item 6 C

Item 7 A

Item 8 C

Item 9 B

Item 10 C

Item 11 C

Item 12 A

Item 13 D

Item 14 D

Item 15 A

Item 16 D

Item 17 D

Item 18 B

Item 19 D

Item 20 C

Item 21 B

Item 22 B

Item 23 A

Item 24 C

- Item 25 A
- Item 26 C
- Item 27 B
- Item 28 A
- Item 29 A
- Item 30 C
- Item 31 C
- Item 32 A
- Item 33 B
- Item 34 D
- Item 35 A
- Item 36 C
- Item 37 B
- Item 38 A
- Item 39 A
- Item 40 C