TOGAF®8 Test Questions

Overview

- 1) Which of the following statements best describes TOGAF?
 - a) TOGAF is a tool for developing Technology Architectures only.
 - b) TOGAF is an architecture framework and method for architecture development.
 - c) TOGAF is a business model.
 - d) TOGAF is a specific architecture pattern
- 2) Why do you need a framework for enterprise architecture?
 - a) Architecture design is complex.
 - b) Using a framework can speed up the process.
 - c) Using a framework ensures more complete coverage.
 - d) A framework provides a set of tools and a common vocabulary
 - e) All of these
- 3) Which of the following is not considered one of the three main parts of TOGAF?
 - a) The Architecture Development Method
 - b) The Enterprise Continuum
 - c) The Technical Reference Model
 - d) The TOGAF Resource Base
- 4) Which of the types of IT architecture below is not commonly accepted as part of the enterprise architecture addressed by TOGAF?
 - a) Business Architecture
 - b) Data Architecture
 - c) Applications Architecture
 - d) Technology Architecture
 - e) Pattern Architecture
- 5) The Enterprise Continuum is:
 - a) An Architecture Framework
 - b) A database of open industry standards
 - c) A technical reference model
 - d) A virtual repository of architecture assets
 - e) A method for developing architectures.

Architecture Development Method (ADM)

- 6) TOGAF's ADM is specifically designed to best address:
 - a) Business Requirements
 - b) Technical Requirements
 - c) Social Requirements
 - d) Other Requirements
 - e) All of the these
- 7) Which of the following statements does not describe the phases of the ADM?
 - a) They are cyclical
 - b) They are iterative
 - c) Each phase refines the scope
 - d) Each phase is mandatory
 - e) They cycle through a range of architecture views
- 8) Which of the following is not a phase of the ADM?
 - a) Preliminary Phase: Framework and Principles
 - b) Phase C: Business Architecture
 - c) Phase F: Migration and Planning
 - d) Phase D: Technology Architecture
 - e) Phase G: Implementation Governance
- 9) Which of these is not a factor to consider when setting the scope of the architecture activity?
 - a) The scope or focus of the enterprise
 - b) The set of architecture domains to be considered
 - c) The level of detail
 - d) The time horizon
 - e) The Data Architecture
- 10) Which one of the statements below best completes the following statement? Phase E: Opportunities and Solutions:
 - a) Prepares the organization for a successful architecture project
 - b) Is used to develop the systems architecture
 - c) Identifies the major implementation projects
 - d) Produces an implementation roadmap
 - e) Ensures that the project conforms to the architecture

- 11)Which one of the following is an ongoing activity throughout the ADM cycle?
 - a) Preliminary Phase
 - b) Requirements Management
 - c) Business Architecture
 - d) Technology Architecture
 - e) Architecture Vision
- 12) Which of the following is not a resource recommended for Requirements Management?
 - a) Business Scenarios
 - b) Gap Analysis
 - c) Volere Requirements Specification template
 - d) Requirements tools
 - e) Volere "waiting room" template

Preliminary Phase: Framework and Principles

- 13) Which one of the following is completed during the Preliminary Phase of the TOGAF ADM?
 - a) Architecture Principles
 - b) Gap Analysis
 - c) Impact Analysis
 - d) Statement of Architecture Work
 - e) Requirements Gathering
- 14) Which one of the following is not an objective of the Preliminary Phase?
 - a) Ensuring that everyone who will be involved is committed to the project's success
 - b) Identifying the people responsible for performing the architecture work, where they are located, and their responsibilities
 - c) Defining the scope of the work and assumptions
 - d) Defining the framework and detailed methodologies
 - e) Developing the Target Business Architecture
- 15) Which of the following is a reason to adapt the ADM?
 - a) All of the answers below
 - b) The use of TOGAF is being integrated with another framework
 - c) The ADM is being used for a purpose other than enterprise architecture
 - d) The enterprise is a large federated organization
 - e) The IT governance model needs to be tailored.
- 16) Which of the following statements does not apply to principles?

- a) A principle is a general rule or guideline.
- b) A principle is transient and updated frequently.
- c) An IT principle provides guidance on use and deployment of IT resources.
- d) TOGAF defines a standard way of describing a principle.
- e) A principle statement should be succinct and unambiguous.
- 17) Which of the following statements is false? An Architecture Board:
 - a) Is established to oversee governance of the enterprise architecture
 - b) Is responsible for the production of usable governance material
 - c) Should meet regularly
 - d) Has a recommended size of 12 members
 - e) Should represent key stakeholders in the architecture
- 18) Which of the following statements about architecture principles is not true?
 - a) Principles are general rules and guidelines that inform and support the way in which an organization sets about fulfilling its mission
 - b) Principles may be established at any or all of three levels: Enterprise, Information Technology, and Architecture
 - c) A set of principles should be Understandable, Robust, Complete, Consistent and Stable.
 - d) The principle of Data Security implies that security needs must be identified and developed at the application level
 - e) The principle of Technology Independence implies the use of standards which support portability

Phase A: Architecture Vision

- 19)Complete the following sentence: Phase A: Architecture Vision of the TOGAF ADM is initiated upon receipt of a(n):
 - a) Approval from the Chief Information Officer
 - b) Requirements Analysis
 - c) Implementation Plan
 - d) Directive from the Chief Executive Officer
 - e) Request for Architecture Work from the sponsoring organization
- 20) Which of the following is not a direct input to Phase A: Architecture Vision?
 - a) Request for Architecture Work
 - b) Impact Analysis
 - c) Architecture Principles
 - d) Existing architecture documentation

- e) Existing Baseline Architecture descriptions
- 21)Complete the following sentence: Phase A: Architecture Vision is intended to do all of the following except:
 - a) Validate the business principles and goals of the organization
 - b) Ensure that the architecture principles are correct
 - c) Establish IT governance
 - d) Clarify and correct ambiguities in the architecture principles
 - e) Define the specific architecture domains to be addressed
- 22) What is an appropriate technique to document business requirements in Phase A: Architecture Vision?
 - a) Business Architecture Report
 - b) Gap Analysis
 - c) Business Principles
 - d) Business Scenarios
 - e) Impact Analysis
- 23) Which of the following best describes the output from Phase A: Architecture Vision?
 - a) Approved Statement of Architecture Work
 - b) Plan for the Architecture Work
 - c) Baseline Business Architecture, Version 0.1
 - d) Architecture Principles
 - e) All of these
- 24)The Architecture Vision is the architect's key opportunity to sell the benefits of the proposed developments to the decision-makers. Which of the following does TOGAF describe this as?
 - a) The baseline
 - b) The elevator pitch
 - c) The 10,000 foot view
 - d) The visionary view
 - e) All of these

- 25) Which of the following statements about the scope of the architecture effort is not true?
 - a) Scope includes the level of detail to be defined
 - b) Scope includes the specific architecture domains to be covered (Business, Data, Applications, Technology).
 - c) Scope does not include the extent of the time horizon
 - d) Scope includes assets created in previous iterations of the ADM cycle
 - e) Scope includes assets available elsewhere in the industry.

Phase B: Business Architecture

- 26)Business Architecture is the first architecture activity undertaken since:
 - a) It is often necessary to demonstrate the business value of the overall architecture activity.
 - b) It provides knowledge that is a prerequisite for undertaking architecture work in the other domains (Data, Applications, Technology).
 - c) It can be used to demonstrate the return on investment to key stakeholders.
 - d) It embodies the fundamental organization of a business and shows how an organization meets its business goals.
 - e) All of these.
- 27)TOGAF suggests, but does not require the use of <...> to analyze business requirements.
 - a) Gap analysis
 - b) Business Scenarios
 - c) SWOT Analysis
 - d) Fishbone Diagrams
 - e) Mind Maps

28) Architecture Views:

- a) Are representations of the overall architecture that are meaningful to one or more stakeholders
- b) Provide an assessment of the skills required to deliver successful enterprise architecture
- c) Are aimed at speeding the process of developing applications
- d) Are sets of owned responsibilities that ensure integrity of the organization's architecture
- e) Are detailed design requirements specific to a phase of the ADM
- 29) Which of the following is not an appropriate tool or technique for capture, modeling, and analysis in association with the viewpoints?

- a) Activity Models
- b) Class Models
- c) Use-case Models
- d) UML Business Class Models
- e) Resource-Event-Agent business models
- 30)Gap analysis is a key step in validating the architecture in Phase B: Business Architecture. Which of the following statements is true?
 - a) Gap analysis highlights services that are available.
 - b) Gap analysis highlights the impacts of change.
 - c) Gap analysis highlights services that are yet to be procured.
 - d) Gap analysis identifies areas where the Data Architecture needs to change.
 - e) Gap analysis can be used to resolve conflicts amongst different viewpoints.

Phase C: Information Systems Architectures

- 31)Which of the following is the objective of Phase C: Information Systems Architectures?
 - a) Developing the Target Business Architecture
 - b) Developing the Target Data and Applications Architecture
 - c) Developing the Target Technology Architecture
 - d) Evaluating the Target Architectures
 - e) Developing an Applications and Data Migration Plan
- 32)TOGAF recommends which of the following steps be completed in Phase C?
 - a) Data Architecture first
 - b) Applications Architecture first
 - c) Either Data Architecture or Applications Architecture, as long as they are in sequence
 - d) Data Architecture and Applications Architecture must be carried out in parallel
 - e) Either Data Architecture or Applications Architecture first, or both in parallel, depending on the project scope and best fit with the Business Architecture

- 33) Which of the following statements about Phase C is true?
 - a) A common implementation approach is bottom-up design and top-down implementation
 - b) The Data Architecture is usually developed before the Applications Architecture
 - c) Gap analysis can be used to find omissions in data services and/or data elements
 - d) Entity-relationship diagrams should not be used in the Baseline Data Architecture description
 - e) Logical data models are rarely used in the Baseline Data Architecture description.

Data Architecture

- 34) Which of the following is not an objective of the Data Architecture part of Phase C?
 - a) To define the types of data needed
 - b) To define the sources of data needed
 - c) To design a database
 - d) To produce output that is complete
 - e) To produce output that is understandable by the stakeholders
- 35) Which of the following is not an input to the Data Architecture part of Phase C?
 - a) Existing data principles
 - b) Request for Architecture Change
 - c) Request for Architecture Work
 - d) Architecture Vision
 - e) Gap analysis results from Business Architecture.
- 36)Which of the following is not a logical data model that can be used for creating Data Architecture models for views?
 - a) C4ISR Architecture Framework Logical Data Model
 - b) ARTS
 - c) POSC
 - d) Zachman
 - e) All of these

- 37) Which of the following is the next step in the Data Architecture part of Phase C after the Data Architecture Building Blocks have been selected?
 - a) Complete the Data Architecture
 - b) Checkpoint/Impact Analysis
 - c) Gap analysis
 - d) Create Data Architecture Models
 - e) Conduct a checkpoint review
- 38) Which of the following statements is false? Gap analysis in the Data Architecture part of Phase C:
 - a) Identifies data that is not processed according to the performance metrics
 - b) Identifies new Architecture Building Blocks for procurement or building
 - c) Identifies accidental omissions in the new architecture
 - d) Identifies data that is not located where it is needed
 - e) Identifies data that is not consumed

Applications Architecture

- 39) How should the application systems best be described?
 - a) As computer systems
 - b) As logical groups of capabilities
 - c) As schemas
 - d) As data-flow diagrams
 - e) As UML diagrams
- 40)When resolving conflicts amongst views, which technique can be used?
 - a) Gap Analysis
 - b) Trade-off Analysis
 - c) Impact Analysis
 - d) PRINCE2
 - e) Resource-Event-Agent business models
- 41)Which of the following is not a suggested viewpoint for the Applications Architecture part of Phase C?
 - a) Software engineering
 - b) Functional users of applications
 - c) Enterprise management
 - d) Financial
 - e) Application-to-application communication

- 42) Which of the following is not suggested by TOGAF for inclusion in the Baseline Applications Architecture Description for each application?
 - a) Name of the application
 - b) Licensing status of the application
 - c) Platform dependencies
 - d) Name of the maintainer
 - e) Descriptions of the application in plain language
- 43) What is the next step in the Applications Architecture part of Phase C after reference models and viewpoints have been selected?
 - a) Develop an Applications Architecture Baseline Description
 - b) Identify candidate applications
 - c) Create architecture models for each viewpoint
 - d) Conduct a checkpoint review
 - e) Review non-functional criteria

Phase D: Technology Architecture

- 44)Which of the following statements best describes the objective of Phase D?
 - a) To develop a Business Architecture
 - b) To develop a Technology Architecture
 - c) To develop an Applications Architecture
 - d) To develop a Data Architecture
 - e) To evaluate the Technology Architecture
- 45) Which of the following is not an input from an earlier phase of the ADM into Phase D?
 - a) The Baseline Technology Architecture
 - b) The Baseline Business Architecture
 - c) Technical Requirements
 - d) The TOGAF TRM
 - e) Re-usable Building Blocks from the Enterprise Continuum
- 46) Which of the following is not a step in Phase D?
 - a) Select services
 - b) Create architecture model
 - c) Confirm business objectives
 - d) Consider views
 - e) Implementation Recommendations

- 47) Which of the following is not a part of the Baseline Technology Architecture Description?
 - a) A review of the Baseline Information Systems Architecture
 - b) A definition of each major hardware and software platform type
 - c) A draft report summarizing the Baseline Technology Architecture
 - d) A review of the draft Baseline Technology Architecture Report
 - e) A review of non-functional criteria
- 48)Which of the following views is not suggested by TOGAF when creating viewpoints for architecture models in Phase D: Technology Architecture?
 - a) Standards
 - b) Costs
 - c) Logical data model
 - d) Communications
 - e) Networking

Phase E: Opportunities and Solutions

- 49) Phase E is the first phase concerned with:
 - a) Defining the implementation
 - b) Defining the architecture framework and key architecture principles
 - c) Setting the scope, constraints, and expectations for the project
 - d) Validating the business context
 - e) Analyzing the cost, benefits and risk
- 50) What deliverable from Phase D: Technology Architecture is the most important in Phase E?
 - a) Updated Requirements
 - b) Technology Architecture Report
 - c) Impact Analysis
 - d) Gap Analysis
 - e) Updated Business Architecture

- 51) Which of the following is not an objective of Phase E?
 - a) Evaluate and select implementation options
 - b) Prioritize the implementation projects
 - c) Identify the top-level projects
 - d) Assess the costs and benefits of the projects
 - e) Generate an overall implementation and migration strategy and a detailed Implementation Plan
- 52) Which technique should be used to identify the parameters of change and the necessary projects in Phase E?
 - a) Impact Analysis
 - b) Migration Planning
 - c) Brainstorming Session
 - d) Gap Analysis
 - e) Business Scenarios
- 53) Which of the following is the most successful strategy for Phase E?
 - a) Focus on the application systems that are relevant to the enterprise
 - b) Focus on projects that will deliver short-term payoffs
 - c) Focus on top-down development
 - d) Reverse engineering
 - e) Trial and error
- 54) Which of the following statements about Phase E is true?
 - a) Coexistence of the old and new systems is straightforward.
 - b) Projects that deliver short-term payoffs should be given low priority
 - c) One of the inputs to this phase is the Architecture Vision
 - d) One of the inputs to this phase is the Request for Architecture Work
 - e) One of the outputs of this phase is the Business Architecture
- 55) Which of the following statements about Phase E is true?
 - a) A key step in Phase E is to update the Technology Architecture
 - b) A key step in Phase E is to brainstorm co-existence and interoperability requirements
 - c) A key step in Phase E is to perform a requirements analysis
 - d) One of the outputs from this phase is a trade-off analysis
 - e) One of the outputs from this phase is a list of re-usable Architecture Building Blocks

Phase F: Migration Planning

- 56)Which of the following questions does TOGAF recommend be asked when assessing priorities of projects?
 - a) What components need to be developed?
 - b) What are the costs of retraining users?
 - c) What are the benefits of the migration?
 - d) Does the organization have the resources to develop the components?
 - e) All of these.
- 57) Decisions made when assessing the priorities of projects should be incorporated into the:
 - a) Gap Analysis
 - b) Statement of Architecture Work
 - c) Baseline Technology Architecture
 - d) Implementation Plan
 - e) Target Technology Architecture
- 58)When implementing business functions in a data-driven chronological sequence, what categorization is made for current systems that are part of the future information system?
 - a) Replace systems
 - b) Mainstream systems
 - c) Mainframe systems
 - d) Contain systems
 - e) Legacy systems
- 59) Which artifact of the Data Architecture part of Phase C should be used for sequencing projects in a data-driven chronological sequence?
 - a) The CRUD matrix
 - b) Gap analysis
 - c) Impact Analysis
 - d) Statement of Architecture Work
 - e) Data principles
- 60)When preparing the detailed Migration Plan, which of the following should not be a consideration?
 - a) Risk assessment
 - b) Project priorities
 - c) Availability of resources
 - d) Cost/benefit assessment
 - e) Choice of target platform

Phase G: Implementation Governance

61) Which of the following is not an objective of Phase G?

- a) Formulate recommendations for each implementation project
- b) Construct an Architecture Contract to govern the overall implementation and deployment process
- c) Perform appropriate governance functions while the system is being implemented and deployed
- d) Ensure that the architecture is able to respond to the needs of the business
- e) Ensure conformance with the defined architecture by implementation projects and other projects
- 62)TOGAF suggests, but does not require, the use of <...> to provide a foundation for governing the implementation of the recommended projects:
 - a) Impact Analysis
 - b) Principles
 - c) Strategic Plan
 - d) Architecture Contracts
 - e) Risk Assessment
- 63)TOGAF states that a parallel activity that takes place during Phase G is:
 - a) The actual implementation
 - b) Generation of a gap analysis report
 - c) Review of the Technical Architecture
 - d) Development of architectural principles
 - e) Development of an Architecture Vision statement

Phase H: Architecture Change Management

- 64)The primary goal of an architecture change management process is:
 - a) To ensure that business continues as usual
 - b) To determine whether a change warrants an update to the architecture
 - c) To determine whether a change requires a new cycle of the ADM
 - d) To manage change properly
 - e) To establish criteria for judging change requests

- 65) What is a dynamic architecture?
 - a) One that is implemented in Java
 - b) One that can e3volve in response to changes in technology and business
 - c) One that uses dynamic binding
 - d) One that has been documented using an ADL
 - e) One that uses object-oriented frameworks
- 66) Which of the following is not a technology-related driver for architecture change?
 - a) Standards initiatives
 - b) Technology withdrawal
 - c) New technology reports
 - d) Strategic change
 - e) Asset management
- 67) Which of the following is a key step in Phase H?
 - a) Monitoring of technology changes
 - b) Monitoring of business changes
 - c) Meetings of the Architecture Board
 - d) Assessment of changes
 - e) All of these
- 68)If a refreshment cycle is required by a change, what is the immediate impact?
 - a) A refresh of the Technology Architecture is required
 - b) A new Statement of Architecture Work is required
 - c) A new Request for Architecture Work is required
 - d) A refresh of the Migration Plan is required
 - e) All of these

ADM Information Sets

- 69) Which of the following is an advantage of using TOGAF over defining an architecture framework from scratch?
 - a) TOGAF contains a set of resources and methods for re-use
 - b) TOGAF contains a Foundation Architecture
 - c) TOGAF contains a breadth of tools
 - d) TOGAF has a method which can be followed
 - e) All of these

- 70)The Lead Architect in conjunction with <...> develops architecture principles:
 - a) The software development team
 - b) The sales team
 - c) The key business stakeholders
 - d) The finance team
 - e) The executive team
- 71) Which of the following best describes an understandable principle?
 - a) It is stable and enduring
 - b) It captures a fundamental truth
 - c) It is complete
 - d) It is clear and unambiguous
 - e) It is self-evident
- 72) Which of the following is not a business principle?
 - a) Primacy of Principles
 - b) Common Use Applications
 - c) Business Continuity
 - d) Compliance with the Law
 - e) Ease-of-use
- 73) Which of the following is not built into the COBIT framework?
 - a) Maturity Models
 - b) Asset Management Model
 - c) Critical Success Factors
 - d) Key Goal Indicators
 - e) Key Performance Indicators
- 74) Which of the following topics is not part of the suggested Request for Architecture Work document?
 - a) The sponsor organization name
 - b) The sponsor organization mission statement
 - c) A set of acceptance criteria
 - d) The time limits for the project
 - e) The description of resources available to the architecture project

- 75)The Statement of Architecture Work is a response to the Request for Architecture Work. Which of the following describe it?
 - a) It contains a detailed description of the business functions in the organization
 - b) It describes an overall plan to address the request for work including a schedule.
 - c) It is an output of Phase B: Business Architecture
 - d) It lists the actors and their roles in the architecture work
 - e) It includes a selection of the architecture model for the project.
- 76) Which technique is used in Phase A: Architecture Vision to identify the key stakeholders and their concerns?
 - a) Gap analysis
 - b) Requirements Impact Analysis
 - c) Business scenarios
 - d) All of these
 - e) Requirements change management
- 77)The Business Architecture generated in Phase B should describe all the following except:
 - a) A high-level description of the people and locations involved with key business functions
 - b) Impact Analysis report
 - c) Business Architecture Building Blocks
 - d) Candidate business Solution Building Blocks
 - e) Technical requirements for subsequent phases
- 78)When performing gap analysis during the Business Architecture phase, which of the following is not a valid response to the case of a Business Architecture Building Block from the Baseline Architecture found to be missing in the Target Architecture?
 - a) A review should occur
 - b) If the building block was correctly eliminated, it should be added to the Target Architecture in the next iteration
 - c) If the building block was correctly eliminated, it should be marked as such in an "Eliminated" cell.
 - d) If the building block was incorrectly eliminated, it should be reinstated to the architecture design in the next iteration
 - e) If the building block was incorrectly eliminated, it should be recorded as an accidental omission.
- 79)The Technology Architecture generated in Phase D should describe all the following except:
 - a) A skills matrix and set of job descriptions
 - b) Gap analysis report

- c) Requirements Traceability Analysis
- d) Technology Architecture Models
- e) Technical specification for each building block
- 80)Views and viewpoints are used by an architect to capture or model the design of a system architecture. Which of the following statements is true?
 - a) A view is the perspective of an individual stakeholder
 - b) Different stakeholders always share the same views
 - c) Some views do not have associated viewpoints
 - d) A viewpoint is the perspective of an individual stakeholder
 - e) Views and viewpoints are rarely used in TOGAF
- 81) Which of the following statements describe generic building blocks?
 - a) A building block is a package of functionality defined to meet the business needs
 - b) All of these
 - A building block has published interfaces to access the functionality
 - d) A building block may be assembled from other building blocks
 - e) A building block may have multiple implementations
- 82)Architecture Building Blocks are architecture documentation and models from the enterprise's:
 - a) Solutions Continuum
 - b) Architecture Vision
 - c) Architecture Continuum
 - d) Architecture Board
 - e) CIO
- 83) Which of the following best describes the characteristics of Solution Building Blocks?
 - a) They are defined in ADM Phase A and B.
 - b) They define what products and components will implement the functionality
 - c) They are technology-aware
 - d) They fulfill business requirements
 - e) They capture business and technical requirements

- 84)Which of the following are generated in the Impact Analysis in Phase E?
 - a) A project list
 - b) A time-oriented Migration Plan describing how existing systems will be migrated to the new architecture
 - c) A set of measures of effectiveness for the projects
 - d) A cost/benefit analysis for the proposed projects
 - e) A cost estimate for the migration projects
- 85)The typical contents of an Architecture Design and Development Contract include:
 - a) The scope of the architecture
 - b) All of these
 - c) Architecture development and management processes and roles
 - d) Time window(s)
 - e) Architecture delivery and business metrics
- 86) Which of the following statements is not true?
 - a) Product Information is an input to Phase E.
 - b) When considering products, a document should be produced containing their functional descriptions
 - c) When considering products, a document should be produced containing their architecture descriptions
 - d) TOGAF does not provide a set of guidelines for reviewing Requests for Architecture Change
 - e) The Business Users' Architecture Contract is used to manage changes to the enterprise architecture in Phase H.
- 87) Which of the following statements concerning New Technology Reports is true?
 - a) They are generated in Phase H.
 - b) They drive the Change Management process
 - They should document new developments in potentially relevant technology
 - d) There is no recommended format for them
 - e) All of these
- 88)Which of the following are included in the recommended contents of a Requirements Impact Statement?
 - a) Stakeholders' priorities of the requirements to date
 - b) Phases to be revisited
 - c) Results of phase investigations and revised priorities
 - d) Recommendations on management of requirements
 - e) All of these

The Technical Reference Model (TRM)

- 89) Which of the following is not a characteristic of the TOGAF Foundation Architecture?
 - a) It reflects general building blocks
 - b) It defines open standards for building blocks implementation
 - c) It provides open systems standards
 - d) It provides guidelines for testing collections of systems
 - e) It reflects general computing requirements
- 90) Which of the following best describes the purpose of the TRM?
 - a) To provide a framework for IT governance
 - b) To provide a visual model, terminology, and coherent description of components and structure of an information system
 - c) To provide a list of standards
 - d) To provide a method for architecture development
 - e) To provide a system engineering viewpoint on a possible solution
- 91)Which of the following statements about a Taxonomy of Platform Services is true?
 - a) It provides a description of a specific vertical industry information system.
 - b) It defines a number of service qualities
 - c) It provides a widely accepted, useful definition of an Application Platform entity.
 - d) It is used in structuring the III-RM
 - e) It provides a list of standards.
- 92) Which of the following is not a service category in the TRM?
 - a) Software Engineering Services
 - b) Security Services
 - c) Operating System Services
 - d) Object Services
 - e) User Interface Services
- 93) Which of the following is a service within the Location and Directory Service Category defined in the TRM?
 - a) Electronic mail services
 - b) Service location services
 - c) Run-time environment services
 - d) Non-repudiation services
 - e) Database services
- 94) Which of the following is not a quality defined in the Taxonomy of Service Qualities for Availability?

- a) Manageability: The ability to gather information about the state of something and to control it.
- b) Recoverability: The ability to restore a system after an interruption
- Serviceability: The ability to repair or upgrade a component in a running system
- d) Reliability: The resistance to failure
- e) Scalability: The ability of a component to grow or shrink its performance or capacity appropriately

Standards Information Base (SIB)

- 95)Which of the following is a standards organization whose standards are not currently listed in the SIB?
 - a) Institute of Electrical Engineers
 - b) The Open Group
 - c) International Standards Organization
 - d) Object Management Group
 - e) Internet Society
- 96) Which of the following is not a use of the SIB?
 - a) To identify and provide a taxonomy of platform services
 - b) To identify and provide a standards information for procurement
 - c) To guide procurers on applicable standards
 - d) To identify and provide a reference on standards information to populate architectures
 - e) To identify and provide IT standards information
- 97) Which of the following is not a service category in the SIB?
 - a) Software Engineering Services
 - b) Security Services
 - c) Operating System Services
 - d) Object Services
 - e) Network Services
- 98)To search for available products for an Open Group certification program, which is the most applicable search field to narrow down the search?
 - a) Reference
 - b) Title
 - c) Service category
 - d) Type
 - e) Open Group Product Standard
- 99)Which of the following status values indicates that a standard is a current formal standard of the Open Group?

- a) Other
- b) Pending
- c) Preliminary
- d) Obsolete
- e) Adopted

100)In which phase of the ADM is the SIB used as an input?

- a) Phase A
- b) Phase B
- c) Phase C
- d) Phase D
- e) Phase E

Introduction to the Enterprise Continuum

- 101)Which of the following statements does not apply to the Enterprise Continuum?
 - a) It is a virtual repository of all known architecture assets and artifacts in the IT industry
 - b) It is a virtual repository of all architecture assets and artifacts which the enterprise is considering in its own architecture project
 - c) It provides a taxonomy for classifying architecture assets
 - d) It is an important aid to communication for architects on both the buy and supply-side
 - e) It is an aid to organization of re-usable and solution assets
- 102) Which of the following in the Enterprise Continuum is an example of "assets within the enterprise"?
 - a) Deliverables from previous architecture work
 - b) Industry reference models and patterns
 - c) The TOGAF TRM
 - d) The Zachman Framework
 - e) The ARTS data model
- 103) Which of the following in the Enterprise is not an example of "assets within the IT industry at large"?
 - a) The TOGAF TRM
 - b) The Zachman Framework
 - c) IT-specific models, such as web services
 - d) The ARTS data model
 - e) Deliverables from previous architecture work
- 104)Which of the following answers complete the next phrase? The criteria for including source materials in an organization specific Enterprise Continuum...
 - a) Is decided in Phase A of the ADM

- b) Is part of the IT governance process
- c) Is decided by the choices made in the Foundation Architecture
- d) Is decided by the stakeholders
- e) Is decided by the CEO
- 105) Which of the following complete the sentence? The Enterprise Continuum aids communication...
 - a) Within enterprises
 - b) Between enterprises
 - c) With vendor organizations
 - d) By providing a consistent language to communicate the differences between architectures
 - e) All of these

The Architecture Continuum

- 106)Which of the following responses does not complete the next sentence? The continuum of architectures within the Architecture Continuum are:
 - a) Part of the virtual repository of architecture assets
 - b) A set of architectures known as Architecture Building Blocks (ABBs)
 - c) Part of the set of architecture assets within the Enterprise Continuum
 - d) A set of models used to construct enterprise-specific architectures
 - e) A set of Solution Building Blocks
- 107)The following different types of architectures are usually shown when illustrating the Architecture Continuum, except:
 - a) Organization Architectures
 - b) Gothic Architectures
 - c) Foundation Architectures
 - d) Industry Architectures
 - e) Common Systems Architectures

- 108) Which of the following responses does not complete the next sentence? When moving around the Architecture Continuum:
 - a) The architect looks towards the left of the continuum for reusable architecture elements
 - b) As you move right there is a progression from Horizontal (ITfocused) to Vertical (Business-focused)
 - c) Enterprise-specific needs and requirements are addressed in more detail as you move to the right
 - d) As you move right there is a progression from a generalization to specialization
 - e) When elements are not found, the requirements must be passed to the right for incorporation
- 109) Which of the following statements are true? The TOGAF Integrated Information Infrastructure Reference Model (III-RM):
 - a) Is an example of a Common Systems Architecture
 - b) Is an example of an Industry Architecture
 - c) Is an example of an Enterprise Architecture
 - d) Is part of the TOGAF Foundation Architecture
 - e) Is required for use in the ADM
- 110)Complete the following sentence: It is recommended that you have your own Foundation Architecture:
 - a) That governs the way your IT systems must behave in your industry
 - b) That governs all of your IT systems
 - c) That governs all of the IT systems within a specific department
 - d) That governs major shared infrastructure systems
 - e) All of these

The Solutions Continuum

- 111)Which of the following responses does not complete the next sentence? The Solutions Continuum is:
 - a) A set of reference building blocks
 - b) A set of reference building blocks known as Architecture Building Blocks (ABBs)
 - c) Part of the set of architecture assets within the Enterprise Continuum
 - d) A representation of the architectures at the corresponding level in the Architecture Continuum
 - e) A set of Solution Building Blocks
- 112)The following reference building blocks are usually shown when illustrating the Solutions Continuum, except:

- a) Systems libraries
- b) Organization solutions
- c) Products and services
- d) Systems Solutions
- e) Industry Solutions

113) Which of the following statements is not true?

- a) Products are separately procurable hardware, software, or service entities
- b) A "systems solution" is an implementation of a Common Systems Architecture comprising a set of products and services
- c) An "industry solution" is an implementation of an Industry Architecture
- d) An example of an industry solution is a physical database schema
- e) An example of a systems solution is an industry-specific point-ofservice device

114) Which of the following statements is not true?

- a) Products are the fundamental providers of capabilities
- b) Systems solutions represent collections of common requirements and capabilities
- c) Industry solutions are industry-specific, aggregate procurements
- d) Enterprise solutions contain the smallest amount of unique content
- e) An "enterprise solution" is an implementation of the enterprise architecture that provides the required business functions

- 115) Which of the following statements is not true?
 - a) The Enterprise Continuum should be interpreted as representing strictly chained relationships
 - b) A populated Solutions Continuum can be regarded as a solutions inventory or re-use library
 - c) Computer systems vendors are the primary provider of systems solutions
 - d) An industry solution may include specific products, services, and systems solutions that are appropriate to that industry
 - e) The primary purpose of connecting the Architecture Continuum to the Solutions Continuum is to build enterprise solutions on industry solutions, systems solutions, and products and services.

Positioning TOGAF

- 116)TOGAF is one of a number of architectures and architecture frameworks in use today, many of which have a good deal in common with TOGAF. The following describe the positioning of TOGAF, except:
 - a) TOGAF can be tailored to meet specific needs
 - b) The TOGAF ADM is a generic method
 - TOGAF is designed for use by enterprises in specific geographies and industries
 - d) TOGAF can be used in conjunction with deliverables from another framework
 - e) TOGAF can be used in conjunction with the Zachman Framework
- 117) Which of the following statements is not TRUE?
 - a) The Zachman Framework is a widely used approach for developing and/or documenting an enterprise-wide Information Systems Architecture.
 - b) The Zachman Framework is based on practices in traditional architecture and engineering
 - c) There is a close correlation between the Zachman Framework and the TOGAF ADM.
 - d) The horizontal axis of the Zachman Framework provides a source of potential viewpoints for the architect to consider
 - e) The Zachman Framework says nothing about the process for developing viewpoints.

118) Which of the following statements is not TRUE?

- a) C4ISR stands for Command, Control, Computers, Communications, Intelligence, Surveillance, and Reconnaissance.
- b) The CORBA architecture is an object-oriented Applications Architecture based on the concept of an Object Request Broker (ORB).
- c) Enterprise Architecture Planning (EAP) is a set of methods for planning the development of Information, Applications, and Technology Architectures and for aligning the three types of architecture with respect to each other.
- d) The purpose of the Federal Enterprise Architecture: Practical Guide is to provide guidance to US federal agencies in initiating, developing, using and maintaining their enterprise architectures.
- e) The TOGAF Architecture Development Method (ADM) was originally based on parts of SPIRIT.

119) Which of the following statements is not TRUE?

- a) EAP has a taxonomy of viewpoints and views
- b) The FEAF contains guidance analogous to the TOGAF Foundation Architecture and architectural viewpoints and views.
- c) TOGAF coverage is a superset of that provided by RM-ODP
- d) SPIRIT defines a practical, tested selection of specifications, most of which are referenced within the TOGAF (SIB)
- e) The Zachman framework does not provide a method such as TOGAF's ADM, or a TRM or SIB.

120) Which of the following statements is not TRUE?

- a) The use of the term "view" in the C4ISR Architecture Framework is different from the use of the term in TOGAF
- b) CORBA focuses exclusively on issues affecting distributed objectoriented systems.
- c) The EAP methodology is analogous to the TOGAF ADM
- d) TAFIM and TOGAF have very little in common
- e) The viewpoints in TOGAF do not cover all of the Zachman Framework

- 121) The US DoD C4ISR Architecture Framework provides three views.
 - Which of the following sets of views is provided?
 - a) Logical, Physical, system
 - b) Technical, physical, logical
 - c) Operational, system, technical
 - d) Logical, operational, system
 - e) Technical, physical, operational

Architecture Governance

- 122) Which of the following statements about architecture governance is not true?
 - a) It is the practice and orientation by which enterprise architectures and other architectures are managed and controlled
 - b) The CEO manages the architecture governance activity
 - c) A governance board manages the architecture governance activity
 - d) An Architecture Governance Framework supports it.
 - e) It is a set of owned responsibilities that ensure the integrity and effectiveness of the organization's architecture
- 123) The following are included in Architecture Governance, except:
 - a) Implementing a system of controls over expenditure within the enterprise
 - b) Implementing a system of controls over the creation and monitoring of all architecture components and activities
 - c) Implementing a system to ensure compliance with internal and external standards and regulatory obligations
 - d) Establishing processes that support effective management of the architecture governance process
 - e) Developing practices that ensure accountability to stakeholders

- 124) Which of the following maps to the characteristic "transparency"?
 - a) All decisions taken, processes used, and their implementation will not be allowed to create unfair advantage to any one particular party
 - b) Each contractual party is required to act responsibly to the organization and its shareholders
 - All actions implemented and their decision support will be available for inspection by authorized organization and provider parties
 - d) All involved parties will have a commitment to adhere to procedures, processes, and authority structures established by the organization
 - e) All processes, decision-making, and mechanisms used will be established so as to minimize or avoid potential conflicts of interest.
- 125) Which of the following lists the governance structures into a hierarchy with the broadest applicability given last?
 - a) Corporate governance, IT governance, technology governance, architecture governance
 - b) IT governance, technology governance, architecture governance, IT governance
 - c) Technology governance, architecture governance, IT governance, corporate governance
 - d) Architecture governance, IT governance, technology governance, corporate governance
 - e) IT governance, corporate governance, architecture governance, technology governance
- 126)Conceptually, the structure of an Architecture Governance Framework consists of Process, Content and Context (stored in the repository). The following are included in Content, except:
 - a) Compliance
 - b) SLAs and OLAs
 - c) Organizational Standards
 - d) Regulatory Requirements
 - e) Architectures

- 127) The following are key architecture governance processes, except:
 - a) Compliance
 - b) Dispensation
 - c) Monitoring and Reporting
 - d) Budgetary Control
 - e) Business Control
- 128) Establishing an Architecture Board prevents one-off solutions and unconstrained developments that lead to:
 - a) High costs of development
 - b) High costs of support
 - c) Lower quality
 - d) Numerous run-time environments
 - e) All of these
- 129) Why is architecture governance beneficial?
 - a) It links IT processes, resources, and information to organizational strategies and objectives.
 - b) It integrates and institutionalizes IT best practices
 - c) It enables the organization to take full advantage of its information, infrastructure, and hardware and software assets
 - d) It protects the underlying digital assets of the organization
 - e) All of these
- 130) Which of the following is an example of an IT governance framework?
 - a) ITIL
 - b) PRINCE 2
 - c) COBIT
 - d) TOGAF
 - e) ATAM
- 131)Which of the following is not a key architecture governance process?
 - a) Undertaking compliance assessments against SLAs
 - b) Architecture implementation
 - c) Granting dispensations
 - d) Business control to ensure compliance with business policies
 - e) Managing architecture amendments, contracts, etc.

132) The following management guidelines are built into COBIT, except:

- a) Maturity modelsb) Critical success factorsc) Key goal indicators

- d) Service level agreements
 e) Key performance indicators

Answers

1) B 2) E 3) C 4) E 5) D 6) A 7) D 8) B 9) E 10)C 11)B 12)B 13)A 14)E 15)A 16)B	45)D 46)E 47)E 48)C 49)A 50)D 51)B 52)D 53)B 54)D 55)B 56)E 57)D 58)B 59)A 60)E	89)D 90)B 91)C 92)D 93)B 94)E 95)A 96)A 97)D 98)E 99)E 100)D 101)A 102)A 103)E 104)B
17)D 18)D 19)E 20)B 21)C 22)D 23)E 24)B 25)C 26)E 27)B 28)A 29)E 30)C 31)B 32)E	61)D 62)D 63)A 64)D 65)B 66)D 67)E 68)C 69)E 70)C 71)D 72)E 73)B 74)C 75)B 76)C	105)E 106)E 107)B 108)E 109)A 110)B 111)B 112)A 113)E 114)D 115)A 116)C 117)D 118)E 119)A 120)D
33)C 34)C 35)B 36)D 37)E 38)A 39)B 40)B 41)D 42)B 43)C 44)B	77)B 78)B 79)A 80)D 81)B 82)C 83)B 84)A 85)B 86)D 87)E 88)E	120)B 121)C 122)B 123)A 124)C 125)D 126)A 127)D 128)E 129)E 130)C 131)B 132)D

TOGAF®8 Test Examination Paper

True or False

Introduction to TOGAF

- 1) The ADM is a generic method for architecture development designed to deal with most system and organizational requirements.
 - a) The order of the phases in the ADM is independent of the maturity of the architecture discipline within the enterprise
 - b) It is impossible to integrate TOGAF with the Zachman Framework
 - The ADM can be used as a general program management method
 - d) A complete architecture should address four domains (Business, Data, Applications, Technology)
 - e) The order of the phases in the ADM may be defined by the business and architecture principles of an enterprise
- 2) Large scale architectures are often undertaken in the form of "federated architectures".
 - a) Complex architectures are hard to manage
 - b) One approach to federated architecture development is to divide the enterprise up "vertically" into "segments" each representing a business sector within the enterprise
 - c) The approach known as "super-domains" divides an enterprise architecture horizontally so that each architecture domain (Business, Data, Applications, and Technology) covers the full extent of the enterprise
 - d) "Super-domain" architecture projects are usually undertaken as integrated projects, with the same personnel
 - e) The US Federal CIO Council chose the "segment" approach in its Federal Enterprise Architecture Framework

Phase A: Architecture Vision

- 3) The architecture Vision is an opportunity to sell the benefits of the proposed development within an enterprise.
 - a) Clarifying and agreeing on the purpose of the architecture effort is one of the key parts of this activity.
 - b) Key elements of the Architecture Vision include the enterprise mission, vision, strategy, and business case
 - c) The Architecture Vision includes a high-level description of the baseline and target environments
 - d) Business scenarios are an appropriate technique to discover and document business requirements
 - e) Once an Architecture Vision is defined and documented it is not necessary to use it to build a consensus
- 4) It is important to define the scope of the architecture effort.
 - a) Scope includes the level of detail to be defined
 - b) Scope includes the specific architecture domains to be covered (Business, Data, Applications, Technology)
 - c) Scope does not include the extent of the time horizon
 - d) Scope includes assets created in previous iterations of the ADM cycle
 - e) Scope does not include assets available elsewhere in the industry

Stakeholders and Concerns, Business Requirements, and Architecture Vision

- 5) Key stakeholders must be identified.
 - a) Business scenarios are an appropriate technique to articulate an Architecture Vision
 - b) Human actors do not need to be identified
 - c) Objectives and measures of success should be identified
 - d) Computer actors do not need to be identified
 - e) Roles and responsibilities should be identified

Development of a Business Architecture

- 6) The Business Architecture is the first architecture activity that needs to be undertaken.
 - a) The Business Architecture is often necessary to show the business value of subsequent Technology Architecture work to key stakeholders
 - b) Key elements of the Business Architecture may be done in other activities
 - The business strategy typically defines what to achieve and how to get there
 - d) A key objective is to re-use existing material as much as possible
 - e) Phase B will rarely involve a lot of detailed work
- 7) An objective of Phase B is to describe the Baseline Business Architecture and a Target Business Architecture.
 - a) The normal approach to Target Architecture development is topdown
 - b) The analysis of the Baseline Architecture often has to be done top-down
 - Business process models describe the functions associated with the business, the internal data exchanges, and the external data exchanges
 - d) A use-case model describes business processes in terms of usecases and actors
 - e) A class model describes dynamic information and relationships between information

Business Modeling and Business Models

- 8) A variety of modeling tools and techniques can be used to model a business.
 - Activity models capture the activities performed in a business process together with the inputs, controls, outputs, and resources used.
 - b) Activity models and use-case models can be represented in Unified Modeling Language, but class models cannot.
 - c) Node connectivity within a Node Connectivity Diagram can be described at three levels: conceptual, logical, physical.
 - d) RosettaNet is a consortium that has developed a set of ebusiness processes for supply chain use.
 - e) Generic business models relevant to an organization's industry sector are termed "Common Systems Architectures" in the Enterprise Continuum.

Gap Analysis

- 9) A key step in validating an architecture is to consider what may have been forgotten.
 - a) Gaps are not usually found by considering stakeholder concerns
 - b) Gaps are not usually found by considering buildings and office space
 - c) Duplicate or missing tool functionality should be considered
 - d) Cross-training requirements should be considered
 - e) Process inefficiencies should not be considered

Views

- 10)A view is a representation of a whole system from the perspective of a related set of concerns.
 - a) A possible Business Architecture view is the usability view
 - b) A logical data view can be part of a Data Architecture view.
 - c) A software engineering view is usually part of a Technology Architecture view
 - d) A hardware view is not usually part of a Technology Architecture view
 - e) A data flow view is usually part of a Data Architecture view

Viewpoints

- 11)A viewpoint defines the perspective from which a view is taken.
 - a) Viewpoints are generic and can be stored in libraries for re-use
 - b) Every view has an associated viewpoint that describes it, at least implicitly
 - c) A viewpoint is not normally developed or visualized using a tool
 - d) Relevant Business Architecture viewpoints include operational, managerial, and financial
 - e) A viewpoint does not define how to construct or use a view

Business Architecture Model

- 12)An objective of Phase B is to develop a Target Business Architecture.
 - a) It is important to create a model of the organization structure.
 - b) It is important to model the business goals and objectives.
 - c) It is not necessary to include measures and deliverables when modeling the business processes
 - d) It is necessary to relate business functions to organizational units in the form of a matrix report.
 - e) Gap analysis should be used to resolve conflicts

Information Systems Architecture

- 13) The objective of Phase C is to develop Target Architectures covering the Data and/or Applications Architecture domains.
 - a) A common implementation approach is bottom-up design and top-down implementation
 - b) The Data Architecture is usually developed before the Applications Architecture
 - Gap analysis can be used to find omissions in data services and/or data elements
 - d) Entity-relationship diagrams can be used in the Baseline Data Architecture description
 - e) Logical data models are rarely used in the Baseline Data Architecture description

Data Architecture

- 14)The objective of the Data Architecture is to define the major types and sources of data necessary to support the business.
 - a) Data entities in the Data Architecture should be mapped to business functions in the Business Architecture
 - b) It is important to indicate which of the CRUD operations are performed by which functions
 - c) Impact Analysis is used to resolve conflicts among the different views.
 - d) Non-functional requirements are not usually reviewed during Data Architecture development
 - e) A formal checkpoint review of the architecture model and building blocks is unnecessary

Applications Architecture

- 15)The objective of the Applications Architecture is to define the major kinds of applications systems necessary to process the data and support the business.
 - a) It is important to model at least the Common Applications Services view and the Applications Interoperability view.
 - b) Potential application systems can be found by brainstorming
 - c) The Applications Architecture document does not need to be reviewed by stakeholders
 - d) A gap analysis should be performed to identify any areas where the Business Architecture may need to change
 - e) Qualitative criteria should be reviewed.

Technology Architecture

- 16)The objective of Phase D is to develop a Technology Architecture for implementation.
 - a) It is not necessary to develop a Baseline Description of the existing Technology Architecture.
 - b) The Business Architecture is used to select the most relevant viewpoints for the project
 - c) Views to consider include Hardware, Communications, Processing, Cost, and Standards
 - d) Impact Analysis should be used to resolve conflicts among the different viewpoints.
 - e) The Technology Architecture model usually starts as a TOGAF TRM-based model
- 17)Outputs from previous phases are used in Phase D.
 - a) Technology principles are used as inputs to Phase D if they exist
 - b) The Statement of Architecture Work is used as an input to Phase D.
 - c) The Architecture Vision is not used as an input to Phase D
 - d) Relevant technical requirements from previous phases are used as inputs to Phase D.
 - e) The gap analysis from the Data Architecture is used as an input to Phase D.

- 18)Phase D includes the development of the Baseline Technology Architecture description.
 - a) The scope and level of detail for the Baseline Description of the existing Technology Architecture depends on the extent to which existing technology components will be re-used.
 - b) The Baseline Description should include a plain language description of what each hardware platform is and what it is used for.
 - c) The networks accessed are not included in the Baseline Description.
 - d) Graphics and schematics should be used to illustrate baseline configuration(s).
 - e) The Baseline Technology Architecture Report is not usually sent for review by relevant stakeholders
- 19) During Phase D the Target Technology Architecture is developed.
 - a) The objective of this step is to convert the description of the existing system into services terminology using the organization's Foundation Architecture
 - b) The TOGAF Foundation Architecture's TRM can be used
 - c) The conceptualization of Architecture Building Blocks should have been done in a previous phase
 - d) Architecture Building Blocks are intended to be solutions
 - e) An architecture description language can be used to document the Architecture Building Blocks
- 20) The first step of the Target Technology Architecture development is to create a Baseline Description in the TOGAF format.
 - a) The objective of this step is to convert the description of the existing system into object-oriented terminology
 - b) This step captures candidates for re-usable building blocks from the existing architecture
 - c) An important task is to set down a list of key questions that can be used later to measure the effectiveness of the new architecture
 - d) It is not necessary to review and validate the set of Technology Architecture principles during this step
 - e) It is not necessary to verify the Technology Architecture model during this step
- 21) The second step of the Target Technology Architecture development is to consider different architecture reference models, viewpoints, and tools.

- a) The objectives of this step are to perform an analysis of the Technology Architecture from a number of different viewpoints and to document each relevant viewpoint.
- b) The Data Architecture is used to select the most relevant viewpoints for the project
- c) A comprehensive set of stakeholder viewpoints must be created for the target system
- d) Views to consider include Hardware, Communications, Processing, Cost, and Database
- e) Sophisticated modeling tools and techniques must be used when modeling and analyzing the Target Technology Architecture in association with the selected viewpoints
- 22) The third step of the Target Technology Architecture development is to create an architecture model of building blocks.
 - a) An architecture based exactly on the TOGAF TRM may not be able to accommodate the stakeholder needs of all organizations
 - b) It is not possible to make decisions about how the various elements of system functionality should be implemented in this step
 - c) This step defines the future model of Architecture Building Blocks
 - d) The model is not usually tested for coverage and completeness of the required technical functions
 - e) An input to this step is the Architecture Vision
- 23)The fourth step of the Target Technology Architecture development is to select the services portfolio required for each building block.
 - a) Some of the services in the service description portfolio may be conflicting
 - b) One of the inputs to Step 4 is the Technical Reference Model (TRM)
 - c) One of he inputs to Step 4 is the Standards Information Base (SIB)
 - d) One of the inputs to Step 4 is the Data Architecture
 - e) A key activity in Step 4 is producing a list of services arranged alphabetically
- 24) The fifth step of the Target Technology Architecture development is to confirm that the business goals and objectives are met.
 - a) One of the inputs to this step is the Business Architecture
 - b) One of the inputs to this step is the Applications Architecture
 - c) A key activity in this step is to perform an Impact Analysis using the specifications and portfolios of specifications
 - d) One of the key activities in this step is a formal checkpoint review of the architecture model and building blocks

- e) One of the key activities in this step is validating that business goals are met
- 25)The sixth step of the Target Technology Architecture development is to develop a set of criteria for choosing specification and portfolios of specifications.
 - a) Large organizations often consider the most important criteria to be a high level of consensus
 - b) A key activity in this step is to brainstorm criteria for choosing specifications and portfolios of specifications
 - c) A key activity in this step is to perform an Impact Analysis using the specifications and portfolios of specifications
 - d) One of the inputs to this step is the Architecture Vision
 - e) One of the outputs of this step is the Application Architecture.
- 26)The seventh step of the Target Technology Architecture development is to complete the architecture definition.
 - a) The objective of this step is to fully specify the Applications Architecture
 - b) The selection of building blocks and interfaces only has a small impact on how the original requirements are met
 - c) The specification of building blocks as a portfolio of services is an evolutionary process
 - d) The earliest building block definitions start as relatively abstract
 - e) One of the inputs to this step is the Data Architecture

- 27) There are a number of key activities in Step 7 of the Target Technology Architecture development.
 - a) A key activity in this step is to select standards for each of the Architecture Building Blocks
 - b) A key activity in this step is to document the final mapping of the architecture within the Architecture Continuum
 - A key activity in this step is to document the rationale for building block decisions
 - d) A key activity in this step is to present the current state of the architecture to sponsors in order to negotiate a continuation.
 - e) A key activity in this step is to ensure that the Business Architecture remains unchanged.

Phase E: Opportunities and Solutions

- 28)Phase E is concerned with opportunities and solutions for implementation.
 - a) One of the objectives of Phase E is to evaluate and select suitable Architecture Building Blocks
 - One of the objectives of Phase E is to assess the dependencies, costs, and benefits of the various projects
 - c) It is never necessary to iterate between Phase E and previous phases.
 - d) Phase E is the first phase which is directly concerned with implementation
 - e) Trade-off analysis is an effective approach for this phase

29) Phase E continued.

- a) Coexistence of the old and new systems is straightforward
- b) Projects that deliver short-term pay-offs should be given low priority
- c) One of the inputs to this phase is the Architecture Vision
- d) One of the inputs to this phase is the Request for Architecture Work
- e) One of the inputs to this phase is the Business Architecture

30)Phase E continued.

- a) A key step in Phase E is to brainstorm technical requirements from a functional perspective
- b) A key step in Phase E is to brainstorm co-existence and interoperability requirements
- c) A key step in Phase E is to perform a requirements analysis
- d) One of the outputs from this phase is a trade-off analysis
- e) One of the outputs from this phase is a list of re-usable Architecture Building Blocks

Phase F: Migration Planning

31) Phase F is concerned with migration planning.

- a) The objective of Phase F is to sort the various implementation projects into alphabetical order
- b) An important consideration is the cost of retraining the users
- c) An important consideration is the likely cultural impact on the user community.
- d) Migration rare requires consideration of technical issues
- e) The most successful basic strategy is to focus on the most complex projects first

32) Phase F continued.

- a) Distributed systems can be treated in the same way as nondistributed systems
- b) A common approach is to implement business functions in a data-driven chronological sequence
- c) One of the inputs to Phase F is the Data Architecture
- d) One of the inputs to Phase F is the Business Architecture
- e) One of the inputs to Phase F is an Impact Analysis project list

33)Phase F continued.

- a) A key step in Phase F is to list the projects in alphabetical order
- b) A key step in Phase F is to estimate resource requirements and availability
- c) A key step in Phase F is to perform risk assessment
- d) A key step in Phase F is a cost/benefit assessment of the migration projects
- e) The output of Phase F is a gap analysis

Phase G: Implementation Governance

34)Phase G is concerned with Implementation Governance.

- a) One of the objectives of Phase G is to formulate recommendations for each implementation project.
- b) One of the objectives of Phase G is to perform appropriate governance functions while the system is being implemented
- c) The actual development happens when Phase G has finished
- d) One of the inputs to Phase G is the Data Architecture
- e) One of the inputs to Phase G is the set of Architecture Building Blocks

35) Phase G continued.

- a) A key step in Phase G is documenting the scope of the individual projects
- b) A key step in Phase G is obtaining signatures from all developing organizations
- c) A key step in Phase G is a gap analysis
- d) One of the outputs from Phase G is an Architecture Contract
- e) One of the outputs from Phase G is a gap analysis

Phase H: Architecture Change Management

- 36)Phase H is concerned with establishing procedures for managing change.
 - a) Phase H will typically provide for the continual monitoring of new developments in technology
 - b) A goal of this phase is to ensure that the enterprise architecture is not permitted to change
 - A goal of this phase is to ensure that the enterprise architecture development cycle does not restart
 - d) The governance body must establish criteria to judge whether a change request warrants merely an architecture update or a new cycle of the ADM
 - e) Guidelines for establishing criteria are straightforward to prescribe

37) Phase H continued.

- a) Technology-related drivers for architecture change include new technology reports
- b) Technology-related drivers for architecture change include asset management cost reductions
- PRINCE 2 is a project management method that can be used in this phase
- d) The three categories of architecture change are Simplification, Incremental, and Prototyping
- e) If a change impacts two stakeholders then it is likely to be a candidate

38) Phase H continued.

- a) Ten systems reduced or changed to one system would be classed as an incremental change
- b) One of the inputs to Phase H is the set of Architecture Building Blocks
- c) One of the inputs to Phase H is the set of standards initiatives
- d) A key step in Phase H is the meeting of the Architecture Board (or other governing council).
- e) One of the outputs from Phase H is a list of prioritized projects

ADM Architecture Requirements Management

39)Architecture requirements must be managed throughout the ADM.

- a) TOGAF does not mandate or recommend a specific process or tool for requirements management
- b) The Volere Requirements Specification Template may be of use
- c) The inputs to the Requirements Management process are the requirements-related outputs from each ADM phase
- d) The output of the Requirements Management process itself is the System Requirements Specification
- e) Determining stakeholder satisfaction with the decisions is optional.

ADM Input and Output Descriptions

- 40)The Architecture Development Method requires and provides a number of inputs and outputs.
 - a) One of the inputs to the Request for Architecture Work is the organization's mission statement
 - b) One of the inputs to the Request for Architecture Work is the set of strategic plans for the business.
 - c) One of the inputs to the Request for Architecture Work is the list of new developments in potentially relevant technologies.
 - d) Budget information is not needed as an input to the Request for Architecture Work.
 - e) Organizational constraints are not needed as an input to the Request for Architecture Work

Major Output Descriptions

- 41)The Architecture Development Method inputs and outputs continued.
 - a) One of the outputs of the Statement of Architecture Work is the Architecture Vision
 - b) One of the outputs of the Statement of Architecture Work is a set of signature approvals
 - One of the outputs of the Business Architecture is the problem description
 - d) One of the outputs of the Business Architecture is the set of actors together with their roles and responsibilities
 - e) One of the outputs of the Business Architecture is the set of relevant business process descriptions.
- 42)The Architecture Development Method inputs and outputs continued.
 - a) One of the outputs of the Technology Architecture is a set of Architecture Building Block models of views.
 - b) One of the outputs of the Technology Architecture is a set of assumptions
 - c) One of the outputs of the Technology Architecture is a description of the scope of the architecture
 - d) One of the outputs of the Technology Architecture is a set of conformance requirements
 - e) One of the outputs of the Technology Architecture is a set of architecture delivery and business metrics.

The Enterprise Continuum

- 43) The Enterprise Continuum.
 - a) The Enterprise Continuum is a virtual repository of all the architecture assets.
 - b) The TRM is an example of an asset in the IT industry
 - c) The Enterprise Continuum consists of two part: the Architecture Continuum and the Business Continuum
 - d) The Integrated Information Infrastructure Reference Model is designed to help the realization of architectures that enable and support the Boundaryless Information Flow vision.
 - e) The Architecture Continuum represents a structuring of re-usable architecture assets

The Architecture Continuum

44)The Architecture Continuum

- a) The Architecture Continuum ranges from Foundation Architectures, through Common Systems Architectures and industry-specific architectures, to an enterprise's own individual architectures
- b) An example of a Foundation Architecture is a Security Architecture
- c) And example of a Common Systems Architecture is a Management Architecture
- d) The Technical Reference Model (TRM) and Standards Information Base (SIB) form a Foundation Architecture for the Open Group
- e) An example of a Common Systems Architecture is a Network Architecture

45) The Architecture Continuum continued.

- a) A typical example of an industry-specific component is the POSC data model
- b) Industry Architectures usually reflect requirements and standards specific to a vertical industry
- Industry Architectures usually provide guidelines for testing collections of systems
- d) Enterprise architectures are not relevant to the IT customer community
- e) The enterprise architecture guides the final customization of the solution

46)The Architecture Continuum continued.

- a) A populated Solutions Continuum can be regarded as a solutions inventory or re-use library
- b) The solution types within the Solutions Continuum are products and services, systems solutions, industry solutions, and enterprise solutions
- c) Products are the fundamental providers of capabilities
- d) An example of an industry solution is a security system product
- e) Computer systems vendors are the primary provider of systems solutions

47) The Architecture Continuum continued.

- a) An industry solution is an implementation of an Industry Architecture which provides re-usable packages of common components and services specific to an industry
- b) An example of an industry solution is a physical database schema
- An industry solution may include not only an implementation of the Industry Architecture but also other solution elements, such as specific products
- d) An enterprise solution is an implementation of the enterprise architecture that provides the required business functions
- e) The Enterprise Continuum should be interpreted as representing strictly chained relationships.

Foundation Architecture: Technical Reference Model

48) The Foundation Architecture.

- a) The Technical Reference Model (TRM) provides a model and taxonomy of generic platform services
- b) The Standards Information Base (SIB) provides a database of standards that can be used to define services and other components
- The TRM is universally applicable and can be used to build any system architecture
- d) The list of standards and specifications in the SIB concentrates on technology-specific standards.
- e) Any TRM has two main components: a taxonomy, which defines terminology, and an associated TRM graphic

49) The Foundation Architecture continued.

- a) It is easy when developing an architecture framework to choose a TRM that works for everyone
- b) The TOGAF TRM was originally derived from the Technical Architecture Framework for Information Management (TAFIM) TRM.
- c) The TOGAF TRM aims to emphasize interoperability as well as portability
- d) The objective of the TRM is to enable structured definition of the standardized Application Platform and its associated interfaces
- e) Other architecture models are not recommended for use with TOGAF

50) The Foundation Architecture continued.

- a) The TRM has three parts (Application Software, Application Platform, and Communications Infrastructure) connected by two interfaces (Application Platform Interface and Communications Infrastructure Interface)
- b) The high-level TRM seeks to maximize Portability and Interoperability
- c) The high-level model seeks to reflect the increasingly important role of the Internet as the basis for inter- and intra-enterprise interoperability
- d) The horizontal dimension of the high-level model represents diversity.
- e) The shape of the model is intended to emphasize the importance of maximum diversity at the interface between the Application Platform and the Communications Infrastructure.

51)The TRM in Detail.

- a) All IT architectures derived from TOGAF should be very similar.
- b) The detailed TRM recognizes two categories of Application Software: Business and Infrastructure
- c) An example of a business application is a set of patient record management services used in the Medical industry.
- d) An example of a business application is a set of electronic mail client services
- e) An example of an infrastructure application is a set of calendar and scheduling services

52) The TRM in Detail Continued.

- a) The Application Platform in the TOGAF TRM is a single, generic, conceptual entity
- b) In the TOGAF TRM, the Application Platform contains all possible services
- c) Service bundles are represented in a Technology Architecture in the form of building blocks
- d) The IT architect must define the set of optimal Solution Building Blocks (SBBs)
- e) The set of services identified and defined for the Application Platform is likely to stay the same over time.

53) The TRM in Detail Continued.

- a) Services in the Application Platform may support each other
- b) A key goal of architecture development is for service modules to be replaceable
- Use of private interfaces among service modules facilitates substitution
- d) Private interfaces represent a risk that should be highlighted to facilitate future transition
- e) The TRM may be extended with new service categories as new technology appears.

54) The TRM in Detail Continued.

- a) The Communications Infrastructure provides the basic services to interconnect systems
- b) The Communications Infrastructure provides the basic mechanisms for opaque transfer of data
- c) The Communications Infrastructure is concerned with switches, service providers, and the physical transmission media
- d) The Internet is rarely used as the basis of a Communications Infrastructure for enterprise integration
- e) There is a steady increase in the range of applications linking to the network for distributed operation.

55)The TRM in Detail continued (the API)

- a) The interface between the Application Software and the underlying Application Platform is called the Application Platform Interface (API)
- b) For portability, the API definition must include the syntax and semantics of just the programmatic interface
- c) Portability depends on the symmetry of conformance of both applications and the platform to the architected API
- d) An application may use several API's
- e) An application may use different APIs for different implementations of the same service

56) The TRM in Detail continued (qualities)

- a) For management services to be effective manageability must be a pervasive quality of all platform services, applications, and Communications Infrastructure services.
- System-wide implementation of security requires not only a set of security services but also the support of software in other parts of the TRM
- c) Qualities are specified in detail during the development of a Target Architecture
- d) The four main service qualities presently identified in the TRM taxonomy are Availability, Assurance, Usability, and Adaptability
- e) The best way of making sure that qualities are not forgotten is to perform a gap analysis.

Foundation Architecture: Standards Information Base

- 57)The SIB is a database of facts and guidance about information systems standards.
 - a) The SIB has three main uses: Architecture Development, Acquisition/Procurement, and General Information
 - b) The SIB can be used to dynamically generate lists of the standards endorsed by The Open Group for use in open systems architectures.
 - The Open Group adds value to individual standards by integrating them into sets known as Product Standards
 - d) The Open Group Product Standards are supported by a unique brand called the Open Brand
 - e) Once a Program Group has recommended a standard, it is automatically included in the SIB.

Architecture Contracts

58) Architecture Contracts.

- a) Architecture Contracts are joint agreements between development partners and sponsors on deliverables, quality, and fitness-for-purpose of an architecture
- b) Successful implementation of Architecture Contracts is delivered through effective architecture governance.
- c) Architecture Contracts may occur at various stages of the Architecture Development Method.
- d) The ultimate goal is a static enterprise architecture.
- e) There are three main types of Architecture Contract.

Architecture Governance

59) The nature and levels of governance.

- a) Architecture governance is the practice and orientation by which enterprise architectures and other architectures are managed and controlled at an enterprise-wide level
- b) Corporate governance is a broad topic and is beyond the scope of TOGAF
- c) Governance is essentially about ensuring that business is conducted properly.
- d) The CORBA framework is an open standard for control over IT
- e) Phase G of the TOGAF ADM is dedicated to implementation governance

Architecture Principles

60) Architecture principles.

- a) Principles are general rules and guidelines that inform and support the way in which an organization sets about fulfilling its mission.
- b) Principles may be established at any or all of three levels: Enterprise, Information Technology, and Architecture
- c) A good set of principles should be Understandable, Robust, Complete, Consistent and Stable
- d) The principle of Data Security implies that security needs must be identified and developed at the application level
- e) The principle of Technology Independence implies the use of standards which support portability

Building Blocks

61)Building Blocks.

- a) A building block is a package of functionality defined to meet the business needs across an organization
- b) A building block may interoperate with other, inter-dependent building blocks
- c) Architecture Building Blocks define what functionality will be implemented
- d) SBBs fulfill business requirements
- e) Solution Building Blocks (SBBs) must be procured rather than developed.

Other Architectures and Frameworks

- 62)TOGAF is one of a number of architectures and architecture frameworks in use today. C4ISR is a framework developed by the US Department of Defense.
 - a) The acronym C4ISR stands for Command, Control, Computers, Communications (C4), Intelligence, Surveillance, and Reconnaissance (ISR)
 - b) There is a lot of guidance in the C4ISR Architecture Framework concerning the process of describing an architecture
 - c) C4ISR is used in order to ensure interoperable and cost-effective military systems
 - d) C4ISR was a successor to the Technical Architecture Framework for Information Management (TAFIM) and has been replaced by DODAF.
 - e) The sequence in which the products are built depends on the purpose of the architecture description

63)CORBA.

- a) CORBA is an object-oriented Applications Architecture centered on the concept of an Object Request Broker (ORB)
- b) The ORB acts as a switching center
- The OMA is an application-level architecture which focuses exclusively on issues affecting distributed object-oriented systems
- d) CORBA services are a high-level set of common object services
- e) CORBA is not consistent with TOGAF

64)Enterprise Architecture Planning (EAP).

- a) EAP is a set of methods for planning the development of Information, Applications, and Technology Architectures.
- b) The EAP methodology positions four types of architecture in the sequence: Business, Data, Applications, and Technology
- c) EAP has a Foundation Architecture
- d) EAP does not have a taxonomy of viewpoints and views
- e) EAP has a Standards Information Base

65) Federal Enterprise Architecture: Practical Guide

- a) The purpose of this guide is to provide guidance to US federal agencies
- b) This guide offers an end-to-end process to initiate, implement, and sustain an enterprise architecture program.
- This guide focuses on enterprise architecture processes, products, and roles and responsibilities
- d) The guide addresses how enterprise architecture processes fit within an overall enterprise lifecycle
- e) The Practical Guide's enterprise architecture processes do not align closely with the lifecycle phases of the TOGAF ADM.

66) RM-ODP.

- a) RM-ODP provides a framework to support the development of standards for distributed processing in heterogeneous environments
- b) RM-ODP uses an object modeling approach
- c) RM-ODP has five viewpoints
- d) TOGAF coverage is a subset of that provided by RM-ODP
- e) The solution-level building blocks of TOGAF map to the Technology and Engineering viewpoints of RM-ODP

67)TAFIM.

- a) The US Department of Defense Technical Architecture Framework for Information Management (TAFIM) was used as the basis of TOGAF Version 1.
- b) TAFIM was developed from the Guide to the POSIX Open System Environment
- c) TAFIM and TOGAF have very little in common
- d) The TOGAF Architecture Development Method (ADM) was originally based on parts of TAFIM
- e) TAFIM has been superseded by C4ISR Architecture Framework (1999), JTA (1997), and the DoD 1999 Technical Reference Model (TRM)

68) The Zachman Framework

- a) The Zachman Framework is a framework providing a view of the subjects and models needed to develop a complete enterprise architecture
- b) Zachman based his framework on practices in traditional architecture and engineering
- c) The viewpoints that TOGAF recommends are all included in the Zachman Framework
- d) The Zachman Framework provides a very comprehensive and well-established taxonomy of the various viewpoints, models and other artifacts
- e) The Zachman Framework says nothing about the processes for developing viewpoints or conformant views.

Answers

1) FFTTT
-
2) TTTFT
3) TFTTF
4) TTFTF
5) TFTFT
6) TTFTF
7) TFTTF
8) TFTTF
9) FFTTF
10)TTFFT
11)TTFTF
12)TTFTF
12)11717
13)FFTTF
14)TTFFF
15)TTFFT
1 <i>C</i> \FTTFT
16)FTTFT
17)TTFTT
18)TTFTF
19)TTFFT
20)FTTFF
21)TFTFF
22)TFTFF
23)FTTFF
24)TFFTT
25)TTFFF
26)FFTTF
27)TTTFF
20) [[]
28)FTFTF
29)FFFTT
30)TTFFF
31)FTTFF
32)FTTTT
33)FTTTF
34)TTFFF
35)TTFTF
35)TTFTF 36)TFFTF
27/11/11
37)TTTFF
38)FFTTF
39)TTTFF
40)TTFFF
11)TTFFT
41)TTFFT 42)TTFFF
42)111+1+
40\

43)TTFTT 44)TFTTT 45)TTTFT 46)TTTFT 47)TTTTF 48)TTTFT 49)FTTTF 50)TTTTF 51)FTTFT 52)TTTTF 53)TTFTT 54)TTTFT 55)TFTTT **56)TTTTF** 57)TTTTF 58)TTTFT 59)TTTFT 60)TTTFT **61)TTTTF** 62)TFTTT 63)TTTFF 64)TTFTF 65)TTTTF 66)TTTFT 67)TTFTT 68)TTFTT