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## TESTS & QUIZZES

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### Part 1 of 3 - PART 1 - MULTIPLE CHOICES

**Question 1 of 64**

0.06 Points

Components of a messaging system include:

- A. Channels, Messages, Pipes and Filters, Routing, Transformation, Routing, Endpoints
- B. Message Queue, Message Broker, Messaging Protocol
- C. Headers, Body, Data types, Data Representations
- D. All are correct

[Reset Selection](#)**Question 2 of 64**

0.06 Points

Which are common mistakes in data integration?

- A. Creating a big new database.
- B. Integrate data at all sites.
- C. Analyzing legacy database to finish developing a new database
- D. Testing without a sufficient set of real data.

[Reset Selection](#)**Question 3 of 64**

0.06 Points

Which statement accurately describes a characteristic of security services within a system?

- A. All users have unlimited access to resources.
- B. Activities are logged solely for performance monitoring.
- C. Entities are authenticated, and access control is not implemented.
- D. Resources are managed based on defined policies, and accountability is ensured through logging.

[Reset Selection](#)**Question 4 of 64**

0.06 Points

The simplest way to achieve load balancing is to:

- A. maintain a list of available servers and pass incoming requests to those servers
- B. distribute the load of data transfer to a single server with high capacity
- C. buy the latest load balancing software
- D. institute single tier architecture

[Reset Selection](#)**Question 5 of 64**

0.06 Points

What is a characteristic feature of Message-Oriented Middleware (MOM) that contributes to improved system scalability?

- A. Synchronous data transfer
- B. Tight coupling between applications
- C. Asynchronous data transfer
- D. Limited choice among topologies

[Reset Selection](#)**Question 6 of 64**

0.06 Points

In MegaMoney Bancorp Case Study: What are the two key services discussed in the passage that MegaMoney Bancorp aims to support?

- A. Opening new accounts and closing existing ones
- B. Address changes and fund transfers between accounts
- C. Credit card applications and loan approvals
- D. Account inquiries and balance transfers

[Reset Selection](#)

Question 7 of 64

0.06 Points

What object architectures are commonly used?

- A. Transaction processing.
- B. Message oriented middleware.
- C. CORBA, COM+, EJB.
- D. All are correct.

[Reset Selection](#)

Question 8 of 64

0.06 Points

After data sources updated, how long will the system be in the consistent state?

- A. Real time
- B. Near real time
- C. One day
- D. Based on user requirements.

[Reset Selection](#)

Question 9 of 64

0.06 Points

What is a common challenge associated with shared database?

- A. Complexity in managing security and access control restrictions
- B. Limited scalability for large datasets and high transaction volumes
- C. Difficulty in maintaining data integrity across different applications
- D. Potential performance bottlenecks due to high concurrent access

[Reset Selection](#)

Question 10 of 64

0.06 Points

Why is testing in system integration more complex than in system development?

- A. a. Because design tests that are within system integrator's control.
- B. b. Data adhere to specifications.
- C. c. Have to test all scenarios.
- D. d. All are correct.

[Reset Selection](#)

Question 11 of 64

0.06 Points

In MegaMoney Bancorp Case Study: What is a drawback of the messaging-based solution mentioned in the passage?

- A. Inability to guarantee reliable message delivery
- B. Complexity in managing multiple channels of communication
- C. Limited scalability during peak demand periods
- D. Difficulty in ensuring data integrity for transactional services

[Reset Selection](#)

Question 12 of 64

0.06 Points

How many types of integration model are there? And what are they?

- A. 4 - Waterfall, Rapid Application Development, Spiral, Agile (1).
- B. 3 - Waterfall, Spiral, Agile (2).
- C. 3 - Presentation, Functional and Data Integration (3).
- D. Both (1) and (3) are correct.

[Reset Selection](#)

Question 13 of 64

0.06 Points

Nowday, System intgration involve a complete system, that are:

- A. Business processes
- B. Organizational structural alignments
- C. Knowledge management
- D. All are correct

[Reset Selection](#)

Question 14 of 64

0.06 Points

When is the Data Integration Model appropriate?

- A. When data from multiple sources needs to be separated for analysis.
- B. When a single application requires exclusive access to data sources.
- C. When combining data from multiple sources for analysis and decision-making is needed.
- D. When data needs to be extracted from one source without any upda

[Reset Selection](#)

Question 15 of 64

0.06 Points

Which attributes does an integration model emphasize?

- A. Flexibility and scalability
- B. Complexity and specificity
- C. Breadth of approaches and expertise required
- D. Simplicity and reusability

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Question 16 of 64

0.06 Points

Which of the following is not considered an intangible benefit to enterprise integration

- A. Improved availability of information
- B. Increase in customer responsiveness
- C. Creation of standards for information resources
- D. Increased customer service

[Reset Selection](#)

Question 17 of 64

0.06 Points

Which statement accurately describes a challenge related to access control policies in an organization?

- A. Users are always assigned to a single group.
- B. Access to data is always granted along with access to the application.
- C. Conflicting roles of users may lead to unauthorized access to sensitive data.
- D. Access to applications is solely determined by individual user permissions.

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Question 18 of 64

0.06 Points

Among the two objects, Stub and Skeleton, which one performs the parameter decoding?

- A. Skeleton
- B. Stub

[Reset Selection](#)

Question 19 of 64

0.06 Points

What is a common approach to managing access control in organizations?

- A. Assigning users to multiple groups simultaneously
- B. Granting access to data without considering application access
- C. Resolving conflicts between user roles to prevent unauthorized data access
- D. Providing unrestricted access to all users regardless of their roles

[Reset Selection](#)

Question 20 of 64

0.06 Points

What aspects are covered by security services within a system?

- A. Authentication, resource management, and logging
- B. Encryption, decryption, and hashing
- C. Compression, decompression, and indexing
- D. Data retrieval, storage, and transmission

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Question 21 of 64

0.06 Points

In MegaMoney Bancorp Case Study: What is the main purpose of establishing queues for the Web server application in the context of messaging technology?

- A. To prioritize message delivery to back-end systems
- B. To ensure data consistency across multiple channels
- C. To enable communication between the Web server and customer applications
- D. To facilitate the flow of information back to the originator of the transaction

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Question 22 of 64

0.06 Points

Is process the most important choice system integration projects? Why?

- A. Yes. Easy to control and monitor the result of project.
- B. No. The engineers who give the solutions for the problems are the most important.
- C. Yes. Following the process will get the right solutions.
- D. No. Both the engineers, who give the solutions for the problems, and process, are needed.

[Reset Selection](#)

Question 23 of 64

0.06 Points

What is a potential disadvantage of Message-Oriented Middleware (MOM) in distributed systems?

- A. Simplified testing and debugging processes
- B. Limited flexibility in application evolution
- C. Synchronous data transfer
- D. Inability to accommodate diverse conceptual models

[Reset Selection](#)

Question 24 of 64

0.06 Points

In which scenarios is the Data Integration Model suitable?

- A. When data from multiple sources needs to be segregated for analysis.
- B. When a single application requires exclusive access to data sources.
- C. When combining data from multiple sources for analysis and decision-making is necessary.
- D. When data extraction from one source without updates is the primary requirement.

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Question 25 of 64

0.06 Points

What is MegaMoney Bancorp's goal for EAI (Enterprise Application Integration)?

- A. To maintain the complexity of its IT architecture
- B. To offer integrated information and transactional services on its website
- C. To minimize the number of legacy systems
- D. To minimize the number of legacy systems

[Reset Selection](#)

Question 26 of 64

0.06 Points

What integration styles does file data sharing belong to?

- A. File Transfer

- B. Shared Database
- C. Remote Procedure Invocation
- D. Messaging

[Reset Selection](#)

Question 27 of 64

0.06 Points

Which factor contributes to the complexity of access control management in organizations?

- A. Users being assigned to a single group
- B. Access to applications being independent of data access
- C. Conflicts between user roles leading to unauthorized data access
- D. Users having limited access to only one application

[Reset Selection](#)

Question 28 of 64

0.06 Points

What is the problem when integrated system has naming services?

- A. Entities don't have name.
- B. Entities can't be found
- C. Resolving duplicate names.
- D. User doesn't know how to find other system entities.

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Question 29 of 64

0.06 Points

A project team member who has a strong understanding of the data in an information system that is being replaced by a new enterprise system is a:

- A. Business process expert.
- B. technical expert.
- C. Geographic business process expert.
- D. Change management expert.

[Reset Selection](#)

Question 30 of 64

0.06 Points

Which integration model focuses on accessing and managing data created by software for the purpose of reuse or synchronization across applications?

- A. Presentation integration
- B. Data integration
- C. Functional integration
- D. Interface integration

[Reset Selection](#)

Question 31 of 64

0.06 Points

Mega Money Bank's customer want to transfer fund from checking account to saving account through website. What's your best choices for the middleware that effectively?

- A. Message oriented middleware
- B. Object architecture.
- C. Transaction processing
- D. All are correct.

[Reset Selection](#)

Question 32 of 64

0.06 Points

Mega Money Bank's customer want to change their address through website. What's your solution for the middleware that effective and easiest to implement?

- A. Message oriented Middleware.
- B. Object architectures.
- C. Transaction processing
- D. Object-Transaction Monitor.

[Reset Selection](#)

- Which statement accurately describes a characteristic of data integration?
- A. Data is accessed indirectly from all data sources.
- B. Middleware technology is not used for facilitating data services.
- C. Business intelligence applications are rarely employed in data retrieval and presentation.
- D. Information can only be updated in one data source.

[Reset Selection](#)

- The integration styles are
- A. File Transfer; Shared Database; Presentation Integration
- B. Remote Procedure Invocation; Messaging; Functional Integration
- C. Presentation Integration; Functional Integration
- D. File Transfer; Shared Database; Remote Procedure Invocation; Messaging;

[Reset Selection](#)

- Which situations call for the implementation of the Data Integration Model?
- A. When data from various sources needs to be isolated for analysis purposes.
- B. When only one application necessitates access to data sources.
- C. When there is a need to combine data from multiple sources for analysis and decision-making.
- D. When data extraction from one source is required without any updates to other sources.

[Reset Selection](#)

- The CIO tells you she is looking for a middleware suite. Which type of middleware would you recommend?
- A. Data integration
- B. Enterprise application integration
- C. Message-oriented middleware
- D. Transaction processor

[Reset Selection](#)

- What is a characteristic advantage of using a Shared Database in comparison to file integration?
- A. Improved data consistency across applications
- B. Reduced dependency on database technology
- C. Enhanced scalability for large datasets
- D. Simplified data retrieval and querying

[Reset Selection](#)

- Which of the following is a generic solution to the challenge of performance?
- A. scalable solutions
- B. reliable solutions
- C. transparent solutions
- D. server solutions

[Reset Selection](#)

- An application A exports a file, and application B uses this file to import data. What integration style does this technique belong to?
- A. Shared Database
- B. File Transfer
- C. Remote Procedure Invocation
- D. Messaging

[Reset Selection](#)

Question 40 of 64

0.06 Points

What is a key advantage of Message-Oriented Middleware (MOM) in distributed systems?

- A. Synchronous data transfer
- B. Tight coupling between applications
- C. Choice among topologies
- D. Inflexible application conceptual models

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Question 41 of 64

0.06 Points

What are the key considerations emphasized by an integration model?

- A. Complexity and specificity
- B. Flexibility and scalability
- C. Simplicity and reusability
- D. Breadth of approaches and expertise required

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Question 42 of 64

0.06 Points

What can we do to have a security service?

- A. Load balancing and data redundancy.
- B. Authenticated, access control and logging activities.
- C. None is correct.
- D. Both a and b are correct.

[Reset Selection](#)

Question 43 of 64

0.06 Points

In RPC, where is the Stub typically located, and where is the Skeleton located?

- A. The stub is located on the client , and the skeleton is located on the Server.
- B. The stub is located on the server, and the skeleton is located on the Client.
- C. The stub & Skeleton are located on the Server.
- D. The stub & Skeleton are located on the Client.

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Question 44 of 64

0.06 Points

Why do the legacy systems need to remain in place until new systems are completely integrated?

- A. To minimize changing.
- B. To reduce cost.
- C. For system integrated be tested in planned.
- D. To operating easier.

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Question 45 of 64

0.06 Points

Which of the following is not an area of tangible benefit in regard to integration of systems

- A. Reduction of IT costs
- B. Reduction of cycle times
- C. Reduction of inventory costs
- D. Reduction of shipping costs

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Question 46 of 64

0.06 Points

What integration model involves invoking existing functionality from other applications through interfaces?

- A. Presentation integration
- B. Data integration
- C. Functional integration
- D. Interface integration

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Question 47 of 64

0.06 Points

- What are some kind of access control?
- A. Mandatory access control, Discretionary access control, role-based access control.
  - B. Mandatory access control, Role-based access control.
  - C. Multilevel access control.
  - D. None is correct.

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Question 48 of 64

0.06 Points

- Before start thinking about integration, we must to:
- A. Research legacy system and make vision document
  - B. Make sure that the purpose is clear and feasible
  - C. Meeting customer
  - D. Make requirement specification document

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Question 49 of 64

0.06 Points

- In MegaMoney Bancorp Case Study: In the context of the transfer of funds between accounts, why is it crucial to ensure that both accounts are properly updated?
- A. To prevent unauthorized access to customer information
  - B. To maintain data consistency and balance in the bank's books
  - C. To reduce the workload on the back-end systems
  - D. To optimize the efficiency of the messaging system

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Question 50 of 64

0.06 Points

- What are characteristics of data integration?
- A. Indirect data access from all sources
  - B. Use of existing application interfaces
  - C. Middleware technology not utilized
  - D. Direct data access from all sources

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