



> [Courses](#) > [Campus based Instruction](#) > [Non-Specific Programs](#) > (hidden) > (hidden) > [S2-23\\_MERGEDSA](#) > [General](#)  
> [Quiz 2 \[5 Marks\]](#)



<b>Status</b>	Finished
<b>Started</b>	Wednesday, 20 March 2024, 7:16 AM
<b>Completed</b>	Wednesday, 20 March 2024, 7:45 AM
<b>Duration</b>	29 mins 47 secs
<b>Marks</b>	23.00/25.00
<b>Grade</b>	<b>4.60</b> out of 5.00 (92%)

**Question 1**

Correct

Mark 1.00 out of 1.00

SY206. Use of arbitrary topology makes modification of system more difficult because of which of the following?

- ☐ a. Interaction among components are not constrained
- ☐ b. None of the mentioned
- ☒ c. Interaction among components are constrained ✓
- ☐ d. Interaction among components may or may not be constrained

The correct answer is: Interaction among components are constrained

**Question 2**

Incorrect

Mark 0.00 out of 1.00

SY209. Amazon shopping cart is example of following Architecture Pattern

- ☐ a. Layered
- ☐ b. SOA
- ☒ c. MVC ✗
- ☐ d. Broker
- ☐ e. All of the mentioned options

The correct answer is: Broker

## Question 3

Correct

Mark 1.00 out of 1.00

H14 The Layered pattern pattern falls under the category

- ☐ a. Distributed
- ☐ b. Adaptable
- ☒ c. Mud-to-Structure ✓
- ☐ d. Interactive



The correct answer is: Mud-to-Structure

## Question 4

Correct

Mark 1.00 out of 1.00

KAS152 Architecture plays a major role in

- ☐ a. Gray box testing
- ☒ b. All of the given options ✓
- ☐ c. While box testing
- ☐ d. Black box testing

The correct answers are: Black box testing, All of the given options

## Question 5

Correct

Mark 1.00 out of 1.00

H07 Model-View-Controller pattern uses the change-propagation mechanism is described in the

- ☒ a. Publisher-Subscriber pattern ✓
- ☐ b. Blackboard pattern
- ☐ c. Broker Pattern
- ☐ d. Layer Pattern

The correct answer is: Publisher-Subscriber pattern

## Question 6

Correct

Mark 1.00 out of 1.00

H04 Marshalling

- ☐ a. services provide associations between names and objects.
- ☐ b. is a pattern description through which we distinguish between local and remote brokers
- ☒ c. is the semantic-invariant conversion of data into a machine independent format ✓
- ☐ d. is a name service that determines which server is associated with a given name

The correct answer is: is the semantic-invariant conversion of data into a machine independent format

## Question 7

Correct

Mark 1.00 out of 1.00

KSR201. Choose the most appropriate architectural pattern for the following propositions. Split a system into a number of computationally independent execution structures (groups of software and hardware) such as database, business logic, web interface and client, connected by some communication media. The structure is chosen to provide a specific server environment optimized for operational requirements and resource usage.

- ☐ a. Pipe-and-Filter.
- ☐ b. Peer-to-Peer.
- ☐ c. Map-Reduce.
- ☒ d. Multi-tier. ✓
- ☐ e. Broker.

The correct answer is: Multi-tier.

## Question 8

Correct

Mark 1.00 out of 1.00

H12 The Reflection pattern falls under the category

- ☐ a. Distributed
- ☐ b. Interactive
- ☐ c. Mud-to-Structure
- ☒ d. Adaptable ✓

The correct answer is: Adaptable

## Question 9

Correct

Mark 1.00 out of 1.00

H09 One of these is not an element of SOA

- ☐ a. Service providers
- ☐ b. Orchestration server
- ☐ c. Service consumer
- ☒ d. Browser ✓

The correct answer is: Browser

## Question 10

Correct

Mark 1.00 out of 1.00

KSR202. Choose the most appropriate architectural pattern for the following propositions. Set up a set of equal distributed computational entities that are connected via a common protocol to share their services and provide high availability and scalability.

- ☐ a. Multi-tier.
- ☐ b. Map-Reduce.
- ☐ c. Broker.
- ☒ d. Peer-to-Peer. ✓
- ☐ e. Pipe-and-Filter.

The correct answer is: Peer-to-Peer.

## Question 11

Correct

Mark 1.00 out of 1.00

SY210. How do you create agile architecture modeling processes to manage unpredictability? a. Requirements gathering must be conducted very carefully b. Risk analysis must be conducted before planning takes place c. Software increments must be delivered in short time periods d. Software processes must adapt to changes incrementally

- ☐ a. c
- ☐ b. Both b and c
- ☐ c. a
- ☐ d. b
- ☒ e. Both c and d ✓
- ☐ f. d

The correct answer is: Both c and d

## Question 12

Correct

Mark 1.00 out of 1.00

D201 In the architecture with layered pattern, where the system is arranged in multiple layers may suffer with the following disadvantage.

- ☐ a. Maintainability
- ☐ b. Evolvability
- ☒ c. Less efficiency ✓
- ☐ d. Understability

The correct answer is: Less efficiency

## Question 13

Correct

Mark 1.00 out of 1.00

SD108 Decisions about which fundamental architecture patterns are used is decided in which section of Documenting Information Beyond Views

- ☐ a. Directory
- ☐ b. How a View Is Documented.
- ☐ c. Mapping Between Views.
- ☒ d. Rationale ✓

The correct answer is: Rationale

## Question 14

Correct

Mark 1.00 out of 1.00

SY204. Which of the following can be considered regarding client and server?

- ☒ a. Client and server is an architectural style ✓
- ☐ b. Client and server may be considered as an architectural style
- ☐ c. Client and server is not an architectural style
- ☐ d. None of the mentioned

The correct answer is: Client and server is an architectural style

## Question 15

Correct

Mark 1.00 out of 1.00

H13 The Blackboard pattern pattern falls under the category

- ☒ a. Mud-to-Structure ✓
- ☐ b. Adaptable
- ☐ c. Distributed
- ☐ d. Interactive

The correct answer is: Mud-to-Structure

## Question 16

Correct

Mark 1.00 out of 1.00

SD107 Context diagram in documenting the view has a purpose

- ☐ a. None of the above
- ☒ b. Both of the above ✓
- ☐ c. to shows how t he system or portion of the system depicted in this view relates to its environment.
- ☐ d. to depict the scope of a view

The correct answer is: Both of the above

## Question 17

Correct

Mark 1.00 out of 1.00

KSR203. Choose the most appropriate architectural pattern for the following propositions. A system that can be divided into reusable, loosely coupled components that can be flexibly combined and arranged to transform between various data formats.

- ☐ a. Map-Reduce.
- ☐ b. Broker.
- ☐ c. Peer-to-Peer.
- ☒ d. Pipe-and-Filter. ✓
- ☐ e. Multi-tier.

The correct answer is: Pipe-and-Filter.

## Question 18

Incorrect

Mark 0.00 out of 1.00

SY207. Advantage of defining cloud architecture is

- ☐ a. Understanding lowest components of cloud architecture is easy
- ☒ b. It is used to elastically scale up or down the resources according to the job that is being performed. ✗
- ☐ c. Starting at the highest level of system abstraction and recursively filling in understanding of the sub parts
- ☐ d. All of the mentioned options.

The correct answer is: All of the mentioned options.

## Question 19

Correct

Mark 1.00 out of 1.00

KAS153 Challenges involved in Architecture reconstruction are

- ☐ a. Steep learning curve of tools and technology
- ☐ b. Availability of tools and workbench
- ☒ c. Both A and B ✓
- ☐ d. Interpretive, interactive and iterative process

The correct answers are: Availability of tools and workbench, Steep learning curve of tools and technology, Interpretive, interactive and iterative process, Both A and B

## Question 20

Correct

Mark 1.00 out of 1.00

JJR106. Layered architecture style is best suited to develop the software applications which require

- ☐ a. the performance quality as a dominant factor
- ☐ b. information separating as a dominant factor
- ☒ c. the components to be easily replaceable ✓
- ☐ d. the high security of its data contents

The correct answer is: the components to be easily replaceable

## Question 21

Correct

Mark 1.00 out of 1.00

SD106 purpose of Quality Attribute Workshop (QAW) is to

- ☐ a. Decide design decisions
- ☐ b. Collect all the requirement
- ☒ c. Prioritize quality attribute ✓
- ☐ d. Decide quality attributes tactics

The correct answer is: Prioritize quality attribute

## Question 22

Correct

Mark 1.00 out of 1.00

KAS155 The Architecture Tradeoff Analysis Method (ATAM) requires huge participation and cooperation from?

- ☐ a. The evaluation team external to the project
- ☐ b. Project decision makers
- ☐ c. Architecture Stakeholders
- ☒ d. All of the given options ✓

The correct answer is: All of the given options

## Question 23

Correct

Mark 1.00 out of 1.00

JJR109. This pattern specializes the generic deployment (software-to-hardware allocation) structure.

- ☒ a. Multi Tier Pattern ✓
- ☐ b. Broker Pattern
- ☐ c. Peer to Peer
- ☐ d. Layered Pattern

The correct answer is: Multi Tier Pattern

## Question 24

Correct

Mark 1.00 out of 1.00

H03 Which of these is not true about broker pattern.

- ☐ a. A broker's tasks include locating the appropriate server, forwarding the request to the server and transmitting results and exceptions back to the client.
- ☐ b. Clients access the functionality of servers by sending requests via the broker.
- ☒ c. Clients register themselves with Servers and Server selects a suitable broker to communicate with the client. It then informs the client about the allocated broker. ✓
- ☐ d. Servers register themselves with the broker, and make their services available to clients through method interfaces.

The correct answer is: Clients register themselves with Servers and Server selects a suitable broker to communicate with the client. It then informs the client about the allocated broker.

## Question 25

Correct

Mark 1.00 out of 1.00

JJR108. A Common module type pattern which uses relationship among software elements as strictly unidirectional is

- ☐ a. Service Oriented Architecture
- ☐ b. Client Server Pattern
- ☐ c. MVC Pattern
- ☒ d. Layered Pattern ✓

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