



[Home](#) > [Courses](#) > [Campus based Instruction](#) > [Non-Specific Programs](#) > [\(hidden\)](#) > [\(hidden\)](#) > [S2-23_MERGEDSA](#) > [General](#)
> [Quiz 1 \[5 Marks\]](#)



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Marks 25.00/25.00

Grade 5.00 out of 5.00 (100%)

Question 1

KAS111 Software Architecture is

Correct

Mark 1.00 out of 1.00

- ☐ a. Diagram with boxes and lines
- ☐ b. Set of project documents
- ☒ c. Set of structures reasoning the system ✓
- ☐ d. Prototype or model of software system

The correct answer is: Set of structures reasoning the system

Question 2

H119 How does software architecture impact scalability?

Correct

Mark 1.00 out of 1.00

- ☐ a. It increases development cost.
- ☐ b. It has no effect on scalability.
- ☐ c. It magically makes the system scalable.
- ☒ d. It ensures the system remains viable over time. ✓

The correct answer is: It ensures the system remains viable over time.

Question 3

KAS115 Allocation structures show

Correct

Mark 1.00 out of 1.00

- ☐ a. How a system is to be structured as a set of code units
- ☒ b. How the system will relate to non-software structures ✓
- ☐ c. Communication among the modules
- ☐ d. Set of elements those have runtime behaviour

The correct answer is: How the system will relate to non-software structures

Question 4

Correct

Mark 1.00 out of 1.00

H111 What does software architecture define in a system?

- ☒ a. The fundamental organization of components. ✓
- ☐ b. The choice of programming languages.
- ☐ c. The specific coding standards to be followed.
- ☐ d. The color scheme of the user interface.



The correct answer is: The fundamental organization of components.

Question 5

Correct

Mark 1.00 out of 1.00

SB144. Which of the following is true?

- ☐ a. The input of architectural design process is SAD
- ☒ b. The input of architectural design process is SRS ✓
- ☐ c. The output of architectural design process is SRS
- ☐ d. None of the mentioned

The correct answer is: The input of architectural design process is SRS

Question 6

Correct

Mark 1.00 out of 1.00

RTN110) Which of these does not contribute to the availability attribute?

- ☐ a. Disable fault source
- ☐ b. Operate in degraded mode
- ☒ c. Able to transfer information between systems ✓
- ☐ d. Time to detect & repair

The correct answer is: Able to transfer information between systems

Question 7

Correct

Mark 1.00 out of 1.00

RTN108) The orgination has to provide an environment to

- ☐ a. Create new architects
- ☐ b. Support architects
- ☒ c. All of the given options ✓
- ☐ d. Evaluate succesful architects

The correct answer is: All of the given options

Question 8

Correct

Mark 1.00 out of 1.00

RR104. The Top Management of a Software Organization is proposing to revise its software application strategy and advises the Architect to emulate software architecture for establishing platform independent implementation. What type of structure do you propose for the design team?

- ☐ a. None of the given options
- ☒ b. Component and Connector Structure - Service ✓
- ☐ c. Module Structure - Layers
- ☐ d. Allocation Structure - Deployment

The correct answer is: Component and Connector Structure - Service

Question 9

Correct

Mark 1.00 out of 1.00

PVS101. Why is Software architecture so important?

- ☐ a. Transferable abstraction of a system
- ☐ b. Early Design decisions
- ☒ c. All of the mentioned ✓
- ☐ d. Communication among stakeholders

The correct answer is: All of the mentioned

Question 10

Correct

Mark 1.00 out of 1.00

HNA121 Rollback and state resynchronization are the strategies for achieving which of the following qualities?

- ☐ a. Performance
- ☐ b. Modifiability
- ☐ c. Usability
- ☒ d. Availability ✓

The correct answer is: Availability

Question 11

Correct

Mark 1.00 out of 1.00

H217 What are the three key categories of architectural structures mentioned?

- ☐ a. Web-based, Object-oriented, and Cloud-based
- ☒ b. Module, Component, and Allocation ✓
- ☐ c. Coffee, Tea, and Water
- ☐ d. Early, Middle, and Late design decisions

The correct answer is: Module, Component, and Allocation

Question 12

Correct

Mark 1.00 out of 1.00

H101 What role does software architecture play in the development of software systems?

- ☐ a. It determines the color scheme of the user interface.
- ☐ b. It focuses on individual component implementation.
- ☒ c. It defines the fundamental organization of a system. ✓
- ☐ d. It is irrelevant for system quality attributes.

The correct answer is: It defines the fundamental organization of a system.

Question 13

Correct

Mark 1.00 out of 1.00

RTN103) Good Allocation Structures include

- ☐ a. Implementation Structure
- ☒ b. All of the given options ✓
- ☐ c. Work Assignment Structure
- ☐ d. Deployment Structure

The correct answer is: All of the given options

Question 14

Correct

Mark 1.00 out of 1.00

SB133. Which of the following is not included in Architectural decisions?

- ☐ a. distribution of the system
- ☐ b. architectural styles
- ☒ c. testing the system ✓
- ☐ d. type of application

The correct answer is: testing the system

Question 15

Correct

Mark 1.00 out of 1.00

SB131. The UML was designed for purpose of:

- ☒ a. Both object-oriented systems and Architectural design ✓
- ☐ b. architectural design
- ☐ c. SRS
- ☐ d. object-oriented systems

The correct answer is: Both object-oriented systems and Architectural design

Question 16

Correct

Mark 1.00 out of 1.00

PVS110. Which structure's view shows the mapping of software onto hardware?

- ☐ a. Class Structure
- ☐ b. Process Structure
- ☐ c. Module Structure
- ☒ d. Physical Structure ✓

The correct answer is: Physical Structure

Question 17

Correct

Mark 1.00 out of 1.00

DVS108). Which one of the following statement is absolutely true?

- ☒ a. Component is a unit behavior and connector is an indicator that relates one component with another ✓
- ☐ b. Components and connectors are not part of software system
- ☐ c. Components and connectors are usually hardware and network
- ☐ d. Component is a static module and connector is a network interface

The correct answer is: Component is a unit behavior and connector is an indicator that relates one component with another

Question 18

Correct

Mark 1.00 out of 1.00

JJR107. Architectural patterns can be seen as packages of

- ☐ a. Structures
- ☐ b. Elements
- ☒ c. Tactics. ✓
- ☐ d. Modules

The correct answer is: Tactics.

Question 19

Correct

Mark 1.00 out of 1.00

H215 Which of the following is NOT a dominant software development process?

- ☐ a. Agile
- ☐ b. Iterative
- ☐ c. Waterfall
- ☒ d. Americal Standard ✓

The correct answer is: Americal Standard

Question 20

Correct

Mark 1.00 out of 1.00

PVS106. An architecture help in evolutionary prototyping in which of the following ways?

- ☐ a. The system is executable early in the product's life cycle
- ☐ b. Potential performance problem can be identified early in the product's life cycle
- ☐ c. None of the mentioned
- ☒ d. Both of the mentioned ✓

The correct answer is: Both of the mentioned

Question 21

Correct

Mark 1.00 out of 1.00

SD103 one should use API Ping or echo from JAVA programming for better Availability is

- ☒ a. Architectural decision ✓
- ☐ b. Non-Architectural decision
- ☐ c. None of the above
- ☐ d. design decision

The correct answer is: Architectural decision

Question 22

Correct

Mark 1.00 out of 1.00

H203 How does the presence of a software architecture affect an organization's business environment?

- ☐ a. It predicts future profits.
- ☒ b. It ensures optimal functionality. ✓
- ☐ c. It magically reduces costs.
- ☐ d. It increases coffee consumption.

The correct answer is: It ensures optimal functionality.

Question 23

Correct

Mark 1.00 out of 1.00

RR106. Which among the following is a non-architectural Decision?

- ☐ a. Interaction among components, data sharing issues
- ☐ b. Modifiability of the system with respect to recommending modular function
- ☐ c. User interface should allow Redo/ Undo at any level of depth
- ☒ d. Deciding Radio Button or Check Box for enabling the usability ✓

The correct answer is: Deciding Radio Button or Check Box for enabling the usability

Question 24

Correct

Mark 1.00 out of
1.00

KAS132 ASR is

- ☐ a. Agile Software Requirements
- ☐ b. Architecture Scoping Reviews
- ☐ c. None of the given options
- ☒ d. Architecturally Significant Requirements ✓

The correct answer is: Architecturally Significant Requirements

Question 25

Correct

Mark 1.00 out of
1.00

H210 What does software architecture define in a system?

- ☒ a. The fundamental organization of components. ✓
- ☐ b. The most popular programming language.
- ☐ c. The best coffee blend for developers.
- ☐ d. The office layout.

The correct answer is: The fundamental organization of components.

Contact for support
: support@wilp.bits-pilani.ac.in

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