

## Software Architectures (Merged - SEZG651/SSZG653)(S2-21)

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### Question 1

Answer saved

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One of the statements given below is true with respect to stakeholders' priorities. Which one?

Select one:

- ☐ a. Infrastructure Manager: How fast can I diagnosis of faults and failures and how quickly I can recover?
- ☐ b. Database Designer: Build strategy
- ☒ c. Chief Technologist: Does it adhere to organization standards ?
- ☐ d. System Maintainer: Performance and scalability

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### Question 2

Answer saved

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 [Flag question](#)

Ability to "continuously provide" correct service without failure means

Select one:

- ☐ a. Availability
- ☒ b. Reliability
- ☐ c. Performance
- ☐ d. Usability

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### Question 3

Answer saved

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 [Flag question](#)

115 Designing the architecture is a matter of:

Select one:

- ☐ a. Iterating until requirements are satisfied
- ☐ b. Decompose an element to satisfy the ASRs
- ☒ c. All of the given choices.
- ☐ d. Determining the ASRs

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### Question 4

Answer saved

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107 Ability to "continuously provide" correct service without failure means

Select one:

- ☒ a. Reliability
- ☐ b. Performance
- ☐ c. Availability
- ☐ d. Usability

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### Question 5

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119 Checksum and Hash Values are used to

Select one:

- ☒ a. Verify message Integrity
- ☐ b. Ensure Availability
- ☐ c. Establish Confidentiality
- ☐ d. Resist attacks

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### Question 6

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 Flag question

The main characteristics of "Security" is not

Select one:

- ☒ a. Genuinty
- ☐ b. Integrity
- ☐ c. Confidentiality
- ☐ d. Availability

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### Question 7

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 Flag question

If a system keeps on crashing frequently. Which quality attribute it is not able to meet?

Select one:

- ☐ a. Security
- ☐ b. Usability
- ☒ c. Availability
- ☐ d. Performance

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### Question 8

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 Flag question

Which of the following is not related to Resource Mgmt of Performance

Select one:

- ☒ a. prioritization of resources
- ☐ b. maintaining multiple copies of key data would benefit performance
- ☐ c. system elements that need to be aware of, and manage, time and other performance-critical resources
- ☐ d. process/thread models

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### Question 9

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The full form of POFOD is

Select one:

- ☐ a. Performance of Fault of Detection
- ☐ b. Performance of Features of Design Decisions
- ☐ c. Portability of Factory on Demand
- ☒ d. Probability Of Failure On Demand

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### Question 10

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A running process resets the timer periodically and it starts counting again. If the timer is not reset it reaches a high enough count to trigger an alarm. A message is passed to an appropriate location for corrective action. This is a tactics for:

Select one:

- ☐ a. Fault Prevention
- ☐ b. Error masking
- ☒ c. Fault Detection
- ☐ d. Redundancy

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### Question 11

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Why does a system delay to respond?

Select one:

- ☐ a. Due to Deadlock
- ☐ b. High resource consumption
- ☐ c. All of the above
- ☒ d. Delay in reply from I/O Device

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### Question 12

Answer saved

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What are the characteristics does a good SA consists of?

Select one:

- ☐ a. Reliability, Usability
- ☐ b. Completeness, Well formedness
- ☐ c. Consistency, Feasibility, Adequacy
- ☒ d. a, b

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### Question 13

Answer saved

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 Flag question

22 One of the statements given below is true with respect to stakeholders' priorities. Which one?

Select one:

- ☐ a. Infrastructure Manager: How fast can I diagnosis of faults and failures and how quickly I can recover?
- ☐ b. Database Designer: Build strategy
- ☐ c. System Maintainer: Performance and scalability
- ☒ d. Chief Technologist: Does it adhere to organization standards ?

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### Question 14

Answer saved

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 Flag question

Record and Playback is a

Select one:

- ☒ a. Strategy for one of the testability tactics
- ☐ b. Methodology to ensure the security feature of the system
- ☐ c. New feature in modern music web apps
- ☐ d. Performance enhancing tactics

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### Question 15

Answer saved

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 Flag question

124 Which of the following does not appear on a diagram describing the Windows Architecture?

Select one:

- ☐ a. . Kernel Mode
- ☒ b. SQLite
- ☐ c. DLLs
- ☐ d. User Mode

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### Question 16

Answer saved

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 Flag question

121 Which of these statements is not true about software architecture:

Select one:

- ☐ a. Software Architecture is a description at a higher level of abstraction than objects and lines of codes
- ☐ b. Software Architecture is a blueprint of a software system that helps stakeholders to understand how the system would be once it is implemented
- ☐ c. Software Architecture helps Stakeholders understand and reason about without getting lost into a sea of details
- ☒ d. Software Architecture is a detailed description of the Software System in terms of its building block

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### Question 17

Answer saved

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 Flag question

108 Why does a system delay to respond?

Select one:

- ☐ a. All of the above
- ☐ b. High resource consumption
- ☐ c. Due to Deadlock
- ☒ d. Delay in reply from I/O Device

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### Question 18

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 Flag question

114 What approach must be followed to test a hypothesis?

Select one:

- ☐ a. By adjusting the design
- ☐ b. By remembering ASRs
- ☐ c. By declaring the additional requirements as non-satisfiable
- ☒ d. By using the analysis techniques already covered

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### Question 19

Answer saved

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Flag question

Which of these statements is not true about software architecture:

Select one:

- ☐ a. Software Architecture is a description at a higher level of abstraction than objects and lines of codes
- ☐ b. Software Architecture is a blueprint of a software system that helps stakeholders to understand how the system would be once it is implemented
- ☒ c. Software Architecture is a detailed description of the Software System in terms of its building block
- ☐ d. Software Architecture helps Stakeholders understand and reason about without getting lost into a sea of details

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### Question 20

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Flag question

113 One of the Society Business goals is:

Select one:

- ☐ a. Maximum Profit in short time
- ☒ b. Operate effectively within legal environment
- ☐ c. Expand market share
- ☐ d. Run a stable organization

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### Question 21

Answer saved

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Flag question

One of the Society Business goals is:

Select one:

- ☐ a. Maximum Profit in short time
- ☐ b. Run a stable organization
- ☐ c. Expand market share
- ☒ d. Operate effectively within legal environment

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### Question 22

Answer saved

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Flag question

116 Which of the following is not related to Resource Mgmt of Performance

Select one:

- ☐ a. process/thread models
- ☐ b. maintaining multiple copies of key data would benefit performance
- ☒ c. prioritization of resources
- ☐ d. system elements that need to be aware of, and manage, time and other performance-critical resources

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### Question 23

Answer saved

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Flag question

One of the statements given below is not true with respect to stakeholders' priorities. Which one?

Select one:

- ☒ a. Release & Configuration Manager: How do I replace of a subsystem with minimal impact ?
- ☐ b. Application Development team: How do I plan for division of work?
- ☐ c. Users/Customers: How easy it is to use?
- ☐ d. Database Designer: Information security issues?

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SHAKTHIVEL D .

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### Question 24

Answer saved

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Flag question

125 Which of these is not structure describing an Architecture

Select one:

- ☐ a. Component-and-connector structures
- ☐ b. Allocation structures
- ☐ c. Module Structure
- ☒ d. Activity Structure

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### Question 25

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102 Which of the following is incorrect?

Select one:

- ☐ a. All of the mentioned
- ☐ b. A reference model divides the functionality
- ☐ c. A reference architecture is the mapping of that functionality onto system decomposition
- ☒ d. None of the mentioned

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