

CS504-Software Engeinring-1 Solved MCQS for QUIZ-2 Solved by JUNAID MALIK



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CS 504-Software Engineering-I

1. Thin Client Model is one of the configurations of _____ Model.
 - a. Data-centered
 - b. Client Server** AL-JUNAID TECH INSTITUTE
 - c. Layered
 - d. Reference
2. STL Stands for _____
 - a. Standard Template Library** AL-JUNAID TECH INSTITUTE
 - b. Standard Type Link
 - c. Standard Tempo Line
 - d. Standard Type Link
3. The three basic principles that guide maintainability are:
 - (a) Clarity
 - (b) Enhancement
 - (c) Flexibility
 - (d) Simplicity
 - a. (a),(b) and (c)
 - b. (a),(c) and (d)** AL-JUNAID TECH INSTITUTE
 - c. (b),(c) and (d)
 - d. All of above
4. Goto statements violate the idea of
 - a. object oriented code
 - b. structured code** AL-JUNAID TECH INSTITUTE
 - c. control structure
 - d. repetition structure
5. A function should not be larger in any case and should not exceed _____ in length
 - a. Half page
 - b. One page** AL-JUNAID TECH INSTITUTE
 - c. Two pages
 - d. Three Pages

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6. Data Centered Architectural Style is also called ____
- a. **Repository model** AL-JUNAID TECH INSTITUTE
 - b. Client Server model
 - c. Sub System model
 - d. Reference model
7. Global variables in C++ should always be referred to by using the
- a. **::operator** AL-JUNAID TECH INSTITUTE
 - b. **:operator**
 - c. Without an operator
 - d. None of the given
8. There are ____ layers in OSI reference model.
- a. 5
 - b. 6
 - c. **7** AL-JUNAID TECH INSTITUTE
 - d. 8
9. Fat Client Model is one of the configurations of ____ Model.
- a. Data-centered
 - b. Layered
 - c. Reference
 - d. **Client Server** AL-JUNAID TECH INSTITUTE
10. Dynamic process model shows the process ____ of the System.
- a. Components
 - b. Objects
 - c. **Structure** AL-JUNAID TECH INSTITUTE
 - d. **Linkage**
11. Which of the following shows a commented statement in C++
- a. # Ans = first + second
 - b. **// Ans = first + second** AL-JUNAID TECH INSTITUTE
 - c. \ \ Ans = first + second
 - d. /# Ans = first + second
12. ____ architectural model is widely used in Mainframe application.
- a. Client-Server Model
 - b. **Repository Model** AL-JUNAID TECH INSTITUTE
 - c. Filter Model
 - d. Layered Model

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13. Variables should be initialized where they are _____ and they should be declared in the _____ scope possible.
- a. defined and smallest
 - b. declared and medium
 - c. defined and medium
 - d. declared and smallest** AL-JUNAID TECH INSTITUTE
14. Identifier names also play a significant role in enhancing the _____ of a program,
- a. Writ ability
 - b. Readability** AL-JUNAID TECH INSTITUTE
 - c. Reliability
 - d. All of the given choices
15. MVC stands for _____
- a. Model View Controller** AL-JUNAID TECH INSTITUTE
 - b. Modern View Center
 - c. Model View Center
 - d. Modern View Controller
16. Which of the following is not a possible server in client server environment?
- a. Database Server
 - b. Transaction Server
 - c. File Server
 - d. Time Server** AL-JUNAID TECH INSTITUTE
17. In case of using unrelated operators in a single expression, _____ would be the best choice to prevent the logical errors.
- a. Comments
 - b. Indents
 - c. Parenthesis** AL-JUNAID TECH INSTITUTE
 - d. Short Cuts
18. In case of header files, construction is to avoid _____ errors, the construction should appear in the top of the file (before the file header).
- a. Compilation** AL-JUNAID TECH INSTITUTE
 - b. run time**
 - c. logical
 - d. All of the given

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19. A self documenting code is a code that explains itself without the need of comments and extraneous documentation, like _____
- a. Flowcharts
 - b. UML diagrams
 - c. Process-flow state diagrams
 - d. All of the given choices** AL-JUNAID TECH INSTITUTE
20. Which one of these represents the Krutchen's 4+1 architectural view model
- a. Logical view, Process view. Physical view. Development view. Use case view** AL-JUNAID TECH INSTITUTE
 - b. Logical view. Dynamic view. Physical view. Development view. Use case view
 - c. Logical view. Process view, Physical view. Development view. Sequence view
 - d. Dynamic view, Process view. Physical view, Development view. Use case view
21. Client server is a _____ system model.
- a. Integrated
 - b. Distributed** AL-JUNAID TECH INSTITUTE
 - c. Heterogeneous
 - d. Homogeneous
22. Vertical partitioning is also known as _____
- a. Balancing
 - b. Mutating
 - c. Parallelizing
 - d. Factoring** AL-JUNAID TECH INSTITUTE
23. "is" prefix should be used for ___ variables and methods.
- a. General
 - b. Boolean** AL-JUNAID TECH INSTITUTE
 - c. Constant
 - d. None of the given
24. Thin client model places a heavy processing load on _____
- a. Only server
 - b. Only network
 - c. Both server and network** AL-JUNAID TECH INSTITUTE
 - d. Neither server not network

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25. C++ header files should have the extension _____. Source files can have the extension _____
- a. .c and .h
 - b. .cc and .h
 - c. .h and.cpp** AL-JUNAID TECH INSTITUTE
 - d. All of the given
26. Which of following is among ten things, which the basic template of GOF design pattern includes.
- a. IQ
 - b. Context** AL-JUNAID TECH INSTITUTE
 - c. Performance
 - d. Requirements
27. Vertical partitioning divides the architecture application from a _____ making perspective.
- a. Decision** AL-JUNAID TECH INSTITUTE
 - b. Design
 - c. Conclusion
 - d. Move
28. Issues like system performance, availability, scalability, and security are analyzed in _____
- a. Logical View
 - b. Physical View** AL-JUNAID TECH INSTITUTE
 - c. Code View
 - d. Concurrency View
29. Class variables should never be declared public. Public variables violate which of the following:
- a. Information hiding
 - b. Encapsulation
 - c. Information hiding and Encapsulation** AL-JUNAID TECH INSTITUTE
 - d. None of the give
30. Charles Simonyi first discussed Hungarian Notation, He was of _____
- a. Microsoft** AL-JUNAID TECH INSTITUTE
 - b. IBM
 - c. Dell
 - d. Cisco

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31. Patterns are devices that allow programs to share knowledge about their _____
- a. Code
 - b. Design** AL-JUNAID TECH INSTITUTE
 - c. Analysis
 - d. Implementation
32. Process view in Krutchen's 4+1 architectural view model captures _____
- a. Object model of the design
 - b. Concurrency and synchronization aspects of the design**
 - c. Mapping(s) of the software onto the hardware and reflects its distributed aspect
 - d. Static organization of the software in its development environment
33. In the N-Tire architecture, the idea is to enhance scalability and _____ by disturbing both the data and the application using multiple server machines
- a. Usability
 - b. Performance** AL-JUNAID TECH INSTITUTE
 - c. Interoperability
 - d. Integrity
34. Names representing methods and functions should be _____ and written in mixed case starting with _____ case
- a. Noun _____ lower
 - b. Verb _____ lower** AL-JUNAID TECH INSTITUTE
 - c. Noun _____ upper
 - d. Verb _____ upper
35. Floating point constant should always be written with decimal point and at least _____
- a. One decimal** AL-JUNAID TECH INSTITUTE
 - b. Two decimal
 - c. Three decimal
 - d. none of the given
36. Static structural model shows the major system _____
- a. Leaks
 - b. Components** AL-JUNAID TECH INSTITUTE
 - c. Activates
 - d. Objectives

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37. Distributing the responsibilities to different subsystems so that we get a software system which is easy to maintain, is called _____ the architecture

a. Subtracting

b. Partitioning AL-JUNAID TECH INSTITUTE

c. Cloning

d. Balancing

38. It ensures that a class only has one instance and provides a global point of access to it

a. Singleton pattern AL-JUNAID TECH INSTITUTE

b. Observer pattern

c. Real pattern

d. None of the given

39. N-tier architecture stems from the struggle to find a _____ between the fat-client architecture and the thin client architecture

a. Concurrency

b. Distribution point

c. Middle ground AL-JUNAID TECH INSTITUTE

d. Similarity

40. In client server model, the application is modeled as a set of _____ that are provided by servers.

a. Request

b. Protocols

c. Service AL-JUNAID TECH INSTITUTE

d. Requirements

41. Maintainability and portability issues are discussed in _____

a. Functional view

b. Physical view

c. Code view AL-JUNAID TECH INSTITUTE

d. Logical view

42. In case of a file server, client request selected records from a _____ and the server transmits recorded to client over the network

a. Local memory

b. Network

c. Database

d. File AL-JUNAID TECH INSTITUTE

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43. Physical view in Krutchen's 4+1 architectural view model captures _____.
- Object model of the design
 - Concurrency and synchronization aspects of the design
 - Mapping(s) of the software onto the hardware and reflects its distributed aspect**
 - Static organization of the software in its development environment
44. Logical view in Krutchen's 4+1 architectural view model captures _____.
- Concurrency and synchronization aspects of the design
 - Mapping(s) of the software onto the hardware and reflects its distributed aspect
 - Object model of the design** AL-JUNAID TECH INSTITUTE
 - Static organization of the software in its development environment
45. When programmers use shortcuts and cryptic codes in their program, _____ becomes a major problem.
- Maintenance** AL-JUNAID TECH INSTITUTE
 - Reusability
 - Availability
 - Readability
46. Which one is correct?
- double total = 0.5;** AL-JUNAID TECH INSTITUTE
 - double total = .5;
 - double total = .50;
 - all of the given
47. "Description of communicating objects and classes that are customized to solve a general design problem in a particular context" is called _____.
- Design Pattern** AL-JUNAID TECH INSTITUTE
 - System Pattern
 - System Design
 - Design Method
48. Development view in Krutchen's 4+1 architectural view model captures
- Object model of the design
 - Concurrency and synchronization aspects of the design
 - Mapping(s) of the software onto the hardware and reflects its distributed aspect
 - Static organization of the software in its development environment**

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49. Client server model tries to _____ data and processing.

- a. **Distribute** AL-JUNAID TECH INSTITUTE
- b. Merge
- c. Clone
- d. Proceed

50. Which indent size eliminates the chance of code lines splitting?

- a. **2** AL-JUNAID TECH INSTITUTE
- b. 4
- c. 3
- d. 6

51. Which one of these is a correct short cut used by the programmer?

- a. **$x*=a$** AL-JUNAID TECH INSTITUTE
- b. $x=*a$
- c. $x*a=$
- d. $=a*x$

52. _____ was the first pure Object Oriented language in which observer pattern was used in implementing its Model View Controller pattern

- a. **Smalltalk** AL-JUNAID TECH INSTITUTE
- b. PASCAL
- c. JAVA
- d. C++

53. Identify the TRUE statement

- a. Portability effects Security
- b. **Size of data types vary from one machine to other**
- c. Size of control structures vary from one machine to other
- d. None of the given options

54.1) $x = (a + 2 > 3) ? a : a - 1;$

2) $\text{if}((a + 2) > 3)$

$x = a;$

else

$x = a - 1;$

- a. **Statement (1) is more complex than (2)** AL-JUNAID TECH INSTITUTE
- b. Statement (2) is more complex than (1)
- c. Both statements are very complex
- d. None of the given options

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55. which of the following statements are same in output

- 1) $a = a \gg 2$
- 2) $a = a/4$
- 3) $a = a * 2$
- a. (1) and (3) only
- b. (2) and (3) only
- c. (1) and (2) only** AL-JUNAID TECH INSTITUTE
- d. All produce the same result

56. Code should not be:

- a. Commented** AL-JUNAID TECH INSTITUTE
- b. Indented**
- c. crypts
- d. aligned

57. If $!(\text{block} < \text{activeBlock})$

is equivalent to:

- a. $\text{if}(\text{block} < \text{activeBlock})$
- b. $\text{if}((\text{block} == \text{activeBlock}))$
- c. $\text{if}((\text{block} \geq \text{activeBlock}))$** AL-JUNAID TECH INSTITUTE
- d. None of the given

58. The form for $(;)$ should be used for

- a. Nested loop
- b. Empty loop** AL-JUNAID TECH INSTITUTE
- c. More than 1000 iteration**
- d. Less than 1000 iterations

59. using proper parenthesis normally makes the code

- a. easy to read
- b. easy to understand** AL-JUNAID TECH INSTITUTE
- c. less ambiguous**
- d. All of the Given

60. The clients and servers, in a client server environment, are connected through

_____.

- a. Framework
- b. Interface
- c. Middleware** AL-JUNAID TECH INSTITUTE
- d. Groupware

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61. _____ provides a unified interface to a set of intelligence in a sub-system

- a. Observer pattern
- b. Singleton pattern
- c. Façade pattern**
- d. All of the above

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62. Complex expressions:

- a. Make the code easy to modify
- b. Make the code difficult to modify**
- c. Make the code easy to understand
- d. Does not effect understandability

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63. Which of the following is used for multi level commenting?

- a. // Comment
- b. /*Comment*/**
- c. (Comment)
- d. */Comment/*

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