



**CS-504 Software Engineering-1
Update MCQS For Quiz-4 File
Solve By Vu Topper RM**



80 To 100% Marks



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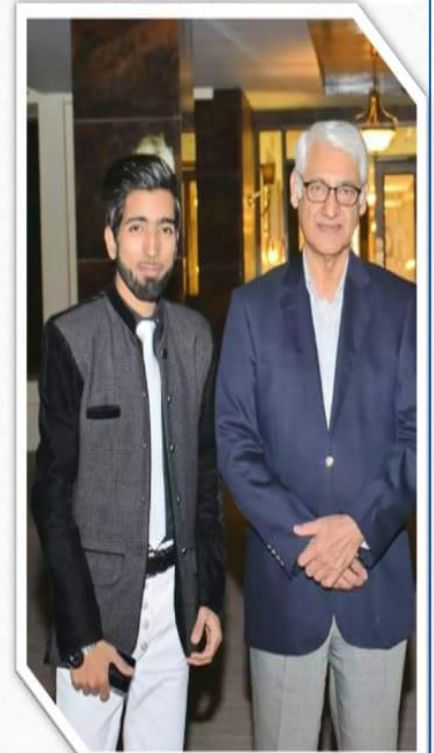
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To determine the architectural style or combination of styles that best fits the proposed system, requirements engineering is used to uncover

A. Algorithmic complexity

B. Characteristics and constraints Page 126

C. Control and data

D. Design patterns

The three basic principles that guide maintainability are: (a)clarity (b)enhancement (c)flexibility (d)simplicity

A. Abc

B. Acd

C. Cba

D. abd

A necessary supplement to transform or transaction mapping needed to create a complete architectural design is

A. The data dictionary

B. Test cases for each module

C. Entity relationship diagrams

D. Processing narratives for each module Page 422

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

A. $x^*=a$

B. $x=*a$

C. $x*a=$

D. $=a*x$

In the switch statement, cases should always end with a -----statment.

Switch

A. Go

B. Stop

C. Loop

D. Break Page 167

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In Client server model, the application is modeled as a set ofthat are provided by servers.

A. Requests

B. Protocols

C. Services

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D. Requirements

using proper paranthesis normally makes the code

A. Easy to read

B. Less ambiguous

C. Easy to understand

D. All of the given options

Charles Simonyi first discussed Hungarian Notation. He was of ——.

A. IBM

B. Dell

C. Cisco

D. Microsoft

Page 152

STL Stnads for -----

A. Standard Type Link

B. Standard Type Link

C. Standard Tempo Line

D. Standard Template Library

Page 138

Performance, Security and maintainability are the types of _____ requirements.

A. Domain

B. Business

C. Functional

D. Non-Functional

Page 120

Complex expressions:

A. Make the code easy to modify

B. Make the code easy to understand

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C. Does not affect understandability

D. Make the code difficult to modify

Page 164

Goto statements violate the idea of

A. Control structure

B. Structured code

Page 164

C. Repetition structure

D. Object-oriented code

Which of the following is used for multi level commenting?

A. // comment

B. (Comment)

C. /* Comment/*

D. /* Comment */

Names representing methods and functions should be----and written in mixed case starting with -----case.

A. Noun—lower

B. Noun —upper

C. Noun—upper

D. Verb and lower

Page 150

Vertical partitioning is also known as.....

A. Balancing

B. Mutating

C. Factoring

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D. Parallelizing

Client server model tries todata and processing.

A. Merge

B. Clone

C. Proceed

D. Distribute

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Switch statement is equal to _____ statement.

- A. If
- B. if-else
- C. nested if

D. if-else if **Page 167**

Vertical partitioning divides the architecture application from a making perspective.

- A. Move
- B. Design
- C. Conclusion

D. Decision **Page 135**

Logical 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. Static organization of the software in its development environment
- D. Mapping(s)of the software onto the hardware and reflects its distributed aspect.

Constant values used in the program are called_____.

- A. Real Numbers
- B. Magic numbers**
- C. Positive Numbers
- D. Constant Numbers

Class variables should never be declared public. Public variables violate which of the following:

- A. Encapsulation
- B. None of the given
- C. Information hiding

D. Information hiding and Encapsulation **Page 161**

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Thin Client Model is one of the configurations ofModel.

- A. Layered
- B. Reference
- C. Data-centered
- D. Client Server**

Page 130

Patterns are devices that allow programs to share knowledge about their -----.

- A. Code
- B. Design**
- C. Analysis
- D. Implementation

Page 137

Which of the following shows a commented statement in C++.

- A. # Ans = first + second
- B. \\ Ans = first + second
- C. /# Ans = first + second
- D. // Ans = first + second**

Variables should be initialized where they are -----and they should be declared in the -----scope possible.

- A. Scope possible.
- B. Defined and smallest
- C. Declared and medium
- D. Declared and smallest**

Page 158

Static structural model shows the major system.....

- A. Leaks
- B. Activities
- C. Objectives
- D. Components**

Page 126

The method of dividing and assigning different portions of a large system to different groups for construction is called _____ .

- A. Work Basic Structure

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- B. Work Breakdown System
- C. Working Boundary Structure
- D. Work Breakdown Structure**

Page 119

Architectural design process involves performing a number of activities which includes system structuring, control modeling and _____ .

- A. Testing
- B. System Analysis
- C. Modular Decomposition**
- D. Graphical User Interface

Page 120

Software architecture must address _____ requirements of a software system.

- A. Functional
- B. Non-functional
- C. User Interface Requirements

D. Both functional and non-functional. **Page 120**

A useful technique for evaluating the overall complexity of a proposed architecture is to look at the component's

- A. Size and cost
- B. Function points
- C. Number and size of components

D. Flow dependencies and has ring dependencies

Data-Centered Architectural Style is also called

- A. Repository model
- B. Reference model
- C. Sub system model**
- D. Client Server model

"is" prefix should be used for----- variables and methods.

- A. General
- B. Boolean**
- C. Constant

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D. None of given

In the N-Tire Architecture, the idea is to enhance scalability and -----
----- by distributing both the data and the application using multiple
server machines.

A. Integrity

B. Usability

C. Performance

Page 131

D. Interoperability

Code should not be:

A. Cryptic

B. Aligned

C. Indented

D. Commented

Page 162

Issues like system performance, availability, scalability, and security
are analyzed in _____.

A. Code View

B. Logical View

C. Physical View

Page 127

D. Concurrency View

if (!(block < activeBlock))

is equivalent to:

A. if ((block < activeBlock))

B. if ((block == activeBlock))

C. if ((block >= activeBlock))

D. None of the given

The number _____ is the most abused symbol in programs
written in C or C++.

A. 0 **Page 169**

B. 1

C. 2

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D.3

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

A. Similarity

B. Concurrency

C. Middle ground **Page 131**

D. Distribution point

There arelayers in OSI reference model.

A. 5

B. 6

C. 8

D.7 **Google**

The criteria used to assess the quality of an architectural design should be based on system.

A. Functionality

B. Data and control

C. Implementation details

D. Accessibility and reliability **Page 404**

Identifier names also play a significant role in enhancing the ----- of a program.

A. Reliability

B. Writ ability

C. Readability **Page 148**

D. All of given

-----provides a unified interface to a set of interfaces in a sub-system.

A. Observer Pattern

B. Singleton Pattern

C. Façade Pattern **Page 143**

D. All of the above

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Fat Client Model is one of the configurations ofModel.

- A. Data
- B. Layered
- C. Centered
- D. Client Server**

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

- A. Interface
- B. Groupware
- C. Framework

D. Middleware **Page 129**

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

- A. Cloning
- B. Balancing
- C. Subtracting

D. Partitioning **Page 138**

which of the following statements are same in output:

- 1) $a = a \gg 2$
- 2) $a = a / 4$
- 3) $a = a * 2$.

- A. and (3) only
- B. (2) and (3) only

C. (1) and (2) only **Page 168**

D. All produce the same result

Which one of these represents the Krutchen's 4+1 architectural view model?

- A. Dynamic view, Process view, Physical view, Development view, Use case view
- B. Logical view, Process view, Physical view, Development view,

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Sequence view

C. Logical view, Process view, Physical view, Development view, Use case view

D. Logical view, Dynamic view, Physical view, Development view, Use case view

_____ is concerned with decomposing a system into interacting sub-systems.

A. Control Modeling

B. System Structuring

Page 121

C. Work breakdown structure

D. Work Breakdown Structure

A _____ is a system component that provides services to other components but would not normally be considered as a separate system.

A. Message

B. Method

C. Module

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D. Relationship

In the architecture trade-off analysis method the architectural style should be described using the

A. module view and process view

B. data Flow view and module view

C. data Flow view and process view

D. data Flow view , module view and process view **Page 403**

Thin Client Model places a heavy processing load on.....

A. Only Server

B. Only Network

C. Both Server and Network

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D. Neither server nor network

Physical view in Krutchen's 4+1 architectural view model captures

_____.

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- A. Object model of the design
- B. Concurrency and synchronization aspects of the design
- C. Static organization of the software in its development environment
- D. Mapping(s) of the software onto the hardware and reflects its distributed aspect.**

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)

B. Both statements are very complex

C. None of the given options

D. Statement (2) is more complex than (1)

Development 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. Static organization of the software in its development environment

D. Mapping(s) of the software onto the hardware and reflects its distributed aspect

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

A. Nested loop

B. Empty loop

C. More than 1000 iterations

D. less than 1000 iterations

Which of following is among ten things, which the basic template of GOF design pattern includes.

A. IQ

B. Context

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- C. Performance
- D. Requirements

_____ and _____ are two important tools that helps in managing the program complexity.

- A. Modularity, Composition
- B. Aggregation, Inheritance
- C. Composition, Inheritance
- D. Abstraction, Encapsulation**

Page 170

Software _____ is the process of examining the software product against its requirements.

- A. Fixing
- B. Testing**
- C. Debugging
- D. Exception handling

Page 192

Alpha testing is:

- A. Validation against user expectations
- B. Testing a collection of dependent components
- C. Testing individual components independent of other components
- D. Acceptance testing for customized projects, in-house testing for products**

Page 198

A function should not be larger in any case and should not exceed _____ in length .

- A. Half page
- B. One page**
- C. Two pages
- D. Three Pages

Page 150

Bit fields are a convenient way to express many difficult operations. However, bit fields suffer from one problem

- A. Lack of security
- B. Lack of usability

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C. Lack of portability

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D. Lack of performance

When a small set of functions (which use each other) is so overwhelmingly the bottleneck, there are two alternatives:

A. Debug the code OR place assertions in code

B. Remove the functions OR add more functions

C. Use a better algorithm OR re-write the code **Page 177**

D. Changed programming language OR compiler at least

_____ identifies which statements in a method or class have been executed.

A. Class Coverage

B. Branch Coverage

C. Method Coverage

D. Statement Coverage **Google**

if a major rework is required to translate a program written for one environment to another, it means code is not or less _____

A. Secure

B. Bug Free

C. Portable **Page 179**

D. Platform dependent

which one is correct?

A. Double total=.5;

B. Double total=.50;

C. Double total=0.5;

D. All of the given

Which indent size eliminates the chance of code lines splitting?

A. 2

B. 4

C. 3

D. 6

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White box testing is performed to test the _____ of the program.

- A. Logic
- B. Flow
- C. Syntax

D. Structure Page 198

Testing of collection of modules to discover interfacing problems among interacting modules is called

- A. Unit testing
- B. Module testing
- C. System testing

D. Subsystem testing Page 198

Unit Testing will be done by

- A. Testers
- B. End Users
- C. Customer

D. Developers Page 207

Which of the following is not a possible server in client server environment?

- A. File Server
- B. Time Server
- C. Database Server
- D. Transaction Server

Page 132

Global variables in C++ should always be referred to by using the:

- A. Operator
- B. :: operator
- C. Without an operator
- D. None of the given

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In order to make a code more portable, Instead of using vendor specific language extensions, use _____ as much as possible

A. ISO

B. STL **Page 179**

C. ANSI

D. CMMI

There are _____ basic coding structures.

A. One

B. Two

C. Five

D. Four **Page 200**

If a function changes the value of some other accessible data object along with returning its value after execution, is called _____.

A. Modularity

B. Abstraction

C. Side Effects **Page 174**

D. Short Circuiting

The order in which bytes of one word are stored is _____ dependent

A. Syntax

B. Software

C. Language

D. Hardware **Page 181**

In _____ control can take either of several branches.

A. If

B. While

C. Sequence

D. Case statement **Page 201**

Cyclomatic complexity measures the logical complexity

_____.

A. Worthily

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- B. Creditably
- C. Qualitatively
- D. Quantitatively**

Page 205

If an application fulfills its specifications but deviates from users expectations or their desired behavior. This means, software is verified but not -----

- A. Traced
- B. Checked
- C. Corrected

D. Validated

Page 192

_____ is the starting point, base document for both testing and the development

- A. Software code
- B. Test case document
- C. Software architecture document

D. Functional specification document

Google

Client server is a _____ system model.

- A. Integrated
- B. Distributed**
- C. Homogeneous
- D. Heterogeneous

Page 130

Exception handling provides:

- A. Portability mechanism
- B. Code Usability mechanism

C. Error Handling mechanism

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D. Both Portability & Code Usability mechanism

When programmers use shortcuts and cryptic codes in their program, _____ becomes a major problem.

- A. Reusability
- B. Readability

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- C. Availability
- D. Maintenance**

MVC stands for -----

- A. Model View Center
- B. Modern View Center
- C. Model View Controller** Google
- D. Modern View Controller

_____ is not a white box testing technique.

- A. Path Coverage
- B. Branch Coverage
- C. Statement Coverage
- D. State Transition Coverage** Page 202

When an error is thrown the overall system (on the lookout for this error flag) responds by _____ the error.

- A. Ignoring
- B. Casting
- C. Catching** Page 184
- D. All of the given options

The complexity of a program may _____ if there are exceptional paths in it

- A. Decrease
- B. Increase** Page 185
- C. Remain same
- D. All of given options

for (i =0, col = 0; i < 27; i++, j++)

In the above line of the code, 27 is representing_____.

- A. Real Numbers
- B. Magic Numbers** Page 167
- C. Positive Numbers
- D. Constant Numbers

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Floating point constants should always be written with decimal point and at least

- A. one decimal** **Page 161**
- B. two decimal
- C. three decimal
- D. none of the given

Which one is used to describe flow of data or control in an application

- A. Code
- B. Flow Chart** **Page 200**
- C. Class diagram
- D. Use case diagram

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. Run time
- B. Logical
- C. Compilation** **Page 160**
- D. All of the given

Dynamic process model shows the processof the system.

- A. Objects
- B. Linkage
- C. Structure** **Page 129**
- D. Components

A path through a program which is never traversed for any input data is called _____.

- A. Feasible path
- B. Dependent path
- C. Infeasible path** **Page 206**
- D. Independent path

C++ header files should have the extension---- Source files can have the extension ----

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A. .c and .h

B. .cc and .h

C. .h and .cpp

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D. All of the given

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

A. Real Pattern

B. Observer Pattern

C. Singleton Pattern

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D. None of the given

In case of using unrelated operators in a single expression, _____ would be the best choice to prevent the logical errors.

A. Indents

B. Short Cuts

C. Comments

D. Parenthesis

Page 166

_____ and _____ are important short circuiting logical operators.

a. AND b. OR c. NOTd. NOR

A. a&b

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B. b&c

C. c&d

D. a&c

Question No:1

(Marks:1)

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The greatest advantage of exception handling is its ability to handle:

A. Syntax errors

B. Memory errors

C. Asynchronous errors

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D. Control Structure errors

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Question No:2

(Marks:1)

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Whole part structure is also called _____

- A. Generalization
- B. Aggregation**
- C. Association
- D. Specialization

Question No:3

(Marks:1)

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How can we implement generalization in Object Oriented programming languages?

- A. Abstraction
- B. Inheritance**
- C. Encapsulation
- D. Polymorphism

Question No:4

(Marks:1)

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Question No:5

(Marks:1)

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Question No:6

(Marks:1)

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Question No:7

(Marks:1)

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Question No:8

(Marks:1)

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Specialization means:

- A. Calling the same method with the object of child object
- B. Hiding the data
- C. Creating new subclasses for an existing class**
- D. None of the given options

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Question No:9

(Marks:1)

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A _____ relationship indicates that one entity is composed of one or more parts which are themselves instances of that or another entity.

- A. Whole -part** **Google**
- B. Inheritance
- C. Generalization
- D. Specialization

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Question No:10

(Marks:1)

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Question No:11

(Marks:1)

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Question No:12

(Marks:1)

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Question No:13

(Marks:1)

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In sequence diagram, the objects are organized in a _____ line and the events in a _____ time line.

A. Horizontal, vertical Google

B. Horizontal, straight

C. Vertical, straight

D. Vertical, horizontal

Question No:14

(Marks:1)

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_____ is a tool that can help us in reducing the size of individual functions.

A. Abstraction

B. Inheritance

C. Modularity

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D. Association

Question No:15

(Marks:1)

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Question No:16

(Marks:1)

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In Object Oriented Design, combining the services offered by an object with the attributes they work on, results in:

Lower coupling and strong cohesion

Lower cohesion and strong coupling

Increased likelihood of reuse

Decrease the modularity of the system

A. A only

B. B and c only

C. A and c only

D. B and c only

Question No:17

(Marks:1)

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Question No:18

(Marks:1)

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Question No:19

(Marks:1)

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As per Peter Coad's methodology, which of the following may not be a perfect candidate for being an object?

- A. Zone
- B. Garage
- C. Recipient

D. Password Page 93

Question No:20 (Marks:1) **Vu-Topper RM**

In "Point of Sale system", the term "Payment" represents

- A. Actor
- B. Container
- C. Participant

D. Transaction Page 99

Question No:21 (Marks:1) **Vu-Topper RM**

The _____ provides the software engineer with a view of the system as a whole.

- A. Process Model
- B. Business model
- C. Requirements Model

D. Architectural Model

Question No:22 (Marks:1) **Vu-Topper RM**

Question No:23 (Marks:1) **Vu-Topper RM**

Different messages in sequence diagrams includes:

- A. Simple
- B. Notify
- C. Asynchronous

D. Both Simple and Asynchronous Page 108

Question No:24 (Marks:1) **Vu-Topper RM**

Question No:25 (Marks:1) **Vu-Topper RM**

Selecting Objects (in a domain) include:

- A. Only Actors
- B. Only Participants

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C. Only Actors and Places

D. Actors. Participants and Places

Question No:26	(Marks:1)	Vu-Topper RM
Question No:27	(Marks:1)	Vu-Topper RM
Question No:28	(Marks:1)	Vu-Topper RM

In order to write a portable code which of the following guideline will not be helpful:

- A. Size of data types
- B. Stick to the standards
- C. Program in the mainstream

D. Using vendor specific language extensions

Question No:29	(Marks:1)	Vu-Topper RM
Question No:30	(Marks:1)	Vu-Topper RM

Verification and validation are the processes in which we check a product against its _____ and the _____ of the users who will be using it

- A. statements, arguments
- B. statements, expectations
- C. specifications , arguments

D. specifications, expectations

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Question No:31	(Marks:1)	Vu-Topper RM
Question No:32	(Marks:1)	Vu-Topper RM

A self documenting code is a code that explains itself without the need of comments and extraneous documentation, like _____

- A. All**
- B. Flowcharts
- C. Process-flow
- D. UML diagrams

Question No:33	(Marks:1)	Vu-Topper RM
Question No:34	(Marks:1)	Vu-Topper RM

Consider the following piece of code:

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```
public class Square extends Shape {  
// some code  
}
```

The above code is an example of

- A. Part-Whole relationship
- B. Generalization/ Specialization**
- C. Data Sharing
- D. Data encapsulation

Question No:35 (Marks:1) **Vu-Topper RM**
Question No:36 (Marks:1) **Vu-Topper RM**
Question No:37 (Marks:1) **Vu-Topper RM**

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

- A. C++
- B. JAVA
- C. PASCAL
- D. Smalltalk**

Question No:38 (Marks:1) **Vu-Topper RM**

The size of -----plays a significant role in making the program easy or difficult to understand.

- A. Object
- B. Data type
- C. Function** **Page 170**
- D. None of the above

Question No:39 (Marks:1) **Vu-Topper RM**

Question No:40 (Marks:1) **Vu-Topper RM**

Question No:41 (Marks:1) **Vu-Topper RM**

The expressions with logical operators can be evaluated only from-----

- A. Right to left
- B. Left to right**
- C. Top to bottom
- D. Bottom to top

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Question No:42	(Marks:1)	Vu-Topper RM
Question No:43	(Marks:1)	Vu-Topper RM
Question No:44	(Marks:1)	Vu-Topper RM
Question No:45	(Marks:1)	Vu-Topper RM
Question No:46	(Marks:1)	Vu-Topper RM
Question No:47	(Marks:1)	Vu-Topper RM
Question No:48	(Marks:1)	Vu-Topper RM
Question No:49	(Marks:1)	Vu-Topper RM

One of the main reasons to make functions is _____

A. Reliability

B. Efficiency

C. Reusability

D. Maintainability

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Question No:50	(Marks:1)	Vu-Topper RM
Question No:51	(Marks:1)	Vu-Topper RM
Question No:52	(Marks:1)	Vu-Topper RM
Question No:53	(Marks:1)	Vu-Topper RM

Comma is very dangerous because

A. Side effects

B. All of the above

C. It creates linkage problem

D. Compiler does not recognize it

Question No:54	(Marks:1)	Vu-Topper RM
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A self-documenting code is that explains itself without need of comments & extraneous documentation, like

A. All

B. Flow charts

C. UML diagram

D. PFS diagram

Question No:55	(Marks:1)	Vu-Topper RM
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— & ——— r important short circuiting logical operators

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- A. OR
- B. AND
- C. Both**
- D. None

Question No:56	(Marks:1)	Vu-Topper RM
Question No:57	(Marks:1)	Vu-Topper RM
Question No:58	(Marks:1)	Vu-Topper RM
Question No:59	(Marks:1)	Vu-Topper RM

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 above**

Question No:60	(Marks:1)	Vu-Topper RM
Question No:61	(Marks:1)	Vu-Topper RM
Question No:62	(Marks:1)	Vu-Topper RM

Using proper parenthesis normally makes the code

- A. Easy to read
- B. Less ambiguous
- C. Easy to understand**
- D. All of the given options

Question No:63	(Marks:1)	Vu-Topper RM
Question No:64	(Marks:1)	Vu-Topper RM
Question No:65	(Marks:1)	Vu-Topper RM

Some bit field members are stored: I) left to right II) right to left III) in circular array

- A. Only (I) is true
- B. Only (II) is true
- C. Both (I) and (II) are true**
- D. All of the options (I, II and III) are true

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Question No:66

(Marks:1)

Vu-Topper RM

Question No:67

(Marks:1)

Vu-Topper RM

The process that involves verification of product with respect to its written requirements is called _____ .

A. Testing

Page 192

B. Debugging

C. Maintenance

D. Development

Question No:68

(Marks:1)

Vu-Topper RM

Question No:69

(Marks:1)

Vu-Topper RM

Question No:70

(Marks:1)

Vu-Topper RM

Question No:71

(Marks:1)

Vu-Topper RM

Question No:72

(Marks:1)

Vu-Topper RM

The C/C++ language has not specified whether _____ is arithmetic or logical.

A. II

B. &&

C. Right shift >>

D. Right shift

Question No:73

(Marks:1)

Vu-Topper RM

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. To write portable code, use vendor specific language extensions as much as possible

Question No:74

(Marks:1)

Vu-Topper RM

In the classical thin-client architecture, the entire processing is carried-out by -----

A. Single server

B. Multiple servers

C. Multiple servers

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D. None of the given

Question No:75

(Marks:1)

Vu-Topper RM

The C/C++ language does not define the alignment of items within

- A. Unions
- B. Classes
- C. Structures

D. All of the given options

Question No:76

(Marks:1)

Vu-Topper RM

Question No:77

(Marks:1)

Vu-Topper RM

Question No:78

(Marks:1)

Vu-Topper RM

Question No:79

(Marks:1)

Vu-Topper RM

Question No:80

(Marks:1)

Vu-Topper RM

Question No:81

(Marks:1)

Vu-Topper RM

Process view in Kuchen'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

Question No:82

(Marks:1)

Vu-Topper RM

The key objective(s) of OOD process should achieve the following:

A. The class as far as possible should be Independent , but could be dependent on only a few classes.

B. Interaction between two classes should be explicit.

C. Class hierarchy should be built on specialization of higher class.

D. All of the given options

Question No:83

(Marks:1)

Vu-Topper RM

Maintainability and Portability issues are discussed in _____.

A. Code View Page 126

B. Logical View

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- C. Physical View
- D. Functional View

Question No:84

(Marks:1)

Vu-Topper RM

Str = 0;// str is string Which rewritten from of above line of code is more in line with the self-documentation philosophy than the code above.

- A. Str = '\0;**
- B. Str = 0.0;
- C. Str = false;
- D. Str = NULL;

Question No:85

(Marks:1)

Vu-Topper RM

Struct packed_struct {unsigned int f1:1;} pack; Here in “packed_struct”:

- A. Value of f1 =1
- B. Size of f1 = 1 bit
- C. Value of f1 should not exceeded 1**
- D. None of given options

Question No:86

(Marks:1)

Vu-Topper RM

Question No:87

(Marks:1)

Vu-Topper RM

If(!(block < activeBlock)) is equivalent to:

- A. If ((block < activeBlock))
- B. If ((block == activeBlock))
- C. If ((block >= activeBlock))
- D. None of the given**

Question No:88

(Marks:1)

Vu-Topper RM

Bit fields allow the packing of data in a structure. using Bit fields we can:

- A. Avoid syntax errors
- B. Read 9-bit integers** **Page182**
- C. Avoid memory leakages
- D. Avoid memory overflow

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Question No:89

(Marks:1)

Vu-Topper RM

Question No:90

(Marks:1)

Vu-Topper RM

In order to write a portable code which of the following guideline will be helpful:

- A. Size of data types
- B. Stick to the standards
- C. Program in the mainstream
- D. All of give options**

Question No:91

(Marks:1)

Vu-Topper RM

`x = 0; // x is floating pt.`

Which rewritten form of above line of code is more in line with the self-documentation philosophy than the code above.

- A. `x = '\0'`
- B. `x = 0.0;`**
- C. `x = false`
- D. `x = NULL`

Page 169

Question No:92

(Marks:1)

Vu-Topper RM

The use of comments should be minimized by making the code self-documenting by appropriate name choices and an explicit logical structure.

True

False

Question No:93

(Marks:1)

Vu-Topper RM

`x = (a + 2 > 3)? a : a-1 ; 2) if((a + 2)> 3) x = a; else x = a - 1;`

- A. Both statements are very complex
- B. Statement (2) is more complex than (1)
- C. Statement (2) is more complex than (1)**
- D. None of the given options

Question No:94

(Marks:1)

Vu-Topper RM

80/20 rule states that:

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- A. you spend 20 percent of your time in 80 percent of the code
B. **you spend 80 percent of your time in 20 percent of the code**
Page 177
C. We should try to optimized 80 percent or at least 20 percent of the code
D. None of the given options

Question No:95 (Marks:1) **Vu-Topper RM**

Be very careful when you use functions with side effects – functions that change the values of the _____

- A. Objects
B. Classes
C. Structures
D. **Variables**

Question No:96 (Marks:1) **Vu-Topper RM**

Comma (,) is very dangerous because

- A. Compiler does not recognize this symbol
B. It creates linkage problem
C. It causes side effects
D. **All of the given options**

Question No:97 (Marks:1) **Vu-Topper RM**

_____ cause major portability issues

- A. Loops
B. Bugs in code
C. **Sizes of data types** Page 179
D. Conditional Structures

Question No:98 (Marks:1) **Vu-Topper RM**

A test case involves:

- A. Input/output specification plus a statement of the function under test
B. Steps to perform the function
C. Expected results that the software application produces

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D. All of the given options

Question No:99

(Marks:1)

Vu-Topper RM

Question No:100

(Marks:1)

Vu-Topper RM

The raising of the imaginary error flag is simply called raising or _____ an error

A. Catching

B. Casting

C. Throwing Page 184

D. None of given options

Question No:101

(Marks:1)

Vu-Topper RM

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

A. File

B. Network

C. Database

D. Local memory

Question No:102

(Marks:1)

Vu-Topper RM

The idea behind exception handling is to raise some error flag every time _____

A. The code compiles

B. The code links

C. Memory is allocated

D. Something goes wrong

Question No:103

(Marks:1)

Vu-Topper RM

A _____ is a variance from a desired product attribute.

A. Error

B. Defect Page 192

C. Mistake

D. Exception

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Question No:104 (Marks:1)

Vu-Topper RM

Consider the following statement:

```
int a,b=10;
```

Which of the following is correct:

- A. Variable "a" is initialized to 10
- B. Variable "b" is initialized to 10**
- C. Both
- D. variables "a" and "b" are initialized to 10

Question No:105 (Marks:1)

Vu-Topper RM

Exception handling is a powerful technique that separates error-handling code from _____ code

- A. Faulty
- B. Buggy
- C. Normal**
- D. Complex

Question No:106 (Marks:1)

Vu-Topper RM

Question No:107 (Marks:1)

Vu-Topper RM

Question No:108 (Marks:1)

Vu-Topper RM

Comments are not syntax checked

TRUE

FALSE

Question No:109 (Marks:1)

Vu-Topper RM

Modularity is a tool that can help us in increasing the size of individual functions, making them less readable.

True

False

Question No:110 (Marks:1)

Vu-Topper RM

Question No:111 (Marks:1)

Vu-Topper RM

Anti- Patterns is another concept that corresponds to common in analysis and design.

- A. Mistake

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B. Issues

C. Problems

D. All of the given

Question No:112

(Marks:1)

Vu-Topper RM

Three tier architecture contains layers.

A. Presentation

B. Application

C. Database

D. All of the above

Question No:113

(Marks:1)

Vu-Topper RM

Question No:114

(Marks:1)

Vu-Topper RM

Description of communicating objects and classes that are customized to solved a general problem in a particular context is called.

A. System Patter

B. System Design

C. Design Pattern

D. None of the Given

Question No:115

(Marks:1)

Vu-Topper RM

In the N-tier Architecture, the idea is to enhance scalability and by distributing both data and the application using multiple server machines.

A. Usability

B. Performance

C. Interpretability

D. None of the given

Question No:116

(Marks:1)

Vu-Topper RM

Question No:117

(Marks:1)

Vu-Topper RM

STL Stands for _____

A. Standard Type Link

B. Standard Tempo Line

C. Standard Template Library

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D. None of the given

Question No:118	(Marks:1)	Vu-Topper RM
Question No:119	(Marks:1)	Vu-Topper RM
Question No:120	(Marks:1)	Vu-Topper RM
Question No:121	(Marks:1)	Vu-Topper RM
Question No:122	(Marks:1)	Vu-Topper RM

The nominal case should be put in the if-part and the exception in the else-part of an if statement.

TURE

FALSE

Question No:123 (Marks:1) Vu-Topper RM

The terms get/set must be used where an attribute is accessed.

Directly

Indirectly

Question No:124 (Marks:1) Vu-Topper RM

A self-documented program/code contains the following attribute(s):

A. Size of each function

B. Choice of variable

C. All of the given choices

Question No:125	(Marks:1)	Vu-Topper RM
Question No:126	(Marks:1)	Vu-Topper RM
Question No:127	(Marks:1)	Vu-Topper RM
Question No:128	(Marks:1)	Vu-Topper RM
Question No:129	(Marks:1)	Vu-Topper RM
Question No:130	(Marks:1)	Vu-Topper RM

Comments should NOT be indented relative to their position in the code.

TRUE

FALSE

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Question No:131

(Marks:1)

Vu-Topper RM

In Client Server model, there application is modeled as a set so — that are provided by server.

- A. Application
- B. Protocol
- C. Services**
- D. All of the above

Question No:132

(Marks:1)

Vu-Topper RM

Façade Pattern provides a unified interface to a set of interfaces in a sub-system.

True

False

Question No:133

(Marks:1)

Vu-Topper RM

Which of the is/are among ten things which the basis template of GOF design pattern includes.

- A. Problem
- B. Context**
- C. Forces
- D. All of the above

Question No:134

(Marks:1)

Vu-Topper RM

Question No:135

(Marks:1)

Vu-Topper RM

Zero install architecture does not need any installation on ___.

- A. Server side
- B. Client side**
- C. Client & Server Side (Not Sure)
- D. None of the above

Question No:136

(Marks:1)

Vu-Topper RM

Question No:137

(Marks:1)

Vu-Topper RM

A tricky sequence of fall through code using switch statement with no Break statements used, causes more trouble than being helpful.

True

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False

Question No:138

(Marks:1)

Vu-Topper RM

Which of the following is not part of software architecture?

- A. Database
- B. Data design
- C. Program structure

D. Algorithm details

Question No:139

(Marks:1)

Vu-Topper RM

Defining the services of an object means

- A. what it does?**
- B. what it knows?
- C. who knows it?
- D. whom it knows?

Question No:140

(Marks:1)

Vu-Topper RM

The focus of sequence diagrams is:

- A. On object constraints
- B. On the flow of Control
- C. On static model of system

D. On object(and classes) and message exchanged among them.

Question No:141

(Marks:1)

Vu-Topper RM

Question No:142

(Marks:1)

Vu-Topper RM

An architectural style encompasses which of the following elements?

- A. Constraints
- B. Set of components
- C. Semantic models

D. All of the given

Question No:143

(Marks:1)

Vu-Topper RM

In sequence diagram, the solid lines depict:

- A. Objects (or classes) 1
- B. Life-time of an object**

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- C. Messages being sent from one object to the other
D. None of the given option

Question No:144	(Marks:1)	Vu-Topper RM
Question No:145	(Marks:1)	Vu-Topper RM
Question No:146	(Marks:1)	Vu-Topper RM
Question No:147	(Marks:1)	Vu-Topper RM

Data Centered Architectural Style is also called ____

- A. Reference model
B. Sub System model
C. Repository model
D. Client Server model

Question No:148 (Marks:1) Vu-Topper RM
When an error is thrown the overall system (on the lookout for this error flag) responds by ____ the error
Catching

Question No:149 (Marks:1) Vu-Topper RM
The form for (;) should be used for
Empty loop

Question No:150 (Marks:1) Vu-Topper RM
if (!(block < active Block)) is equivalent to:
if ((block >= active Block))

Question No:151 (Marks:1) Vu-Topper RM
In order to write a p or table code which of the following guideline will not be helpful:
Using vendor specific language extensions

Question No:152 (Marks:1) Vu-Topper RM
Testing individual components independent of other components is called:
Unit testing

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