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Past Papers by Waqar Siddhu
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CS504 Software Engineering - I

BC110201120 (WAQAR SHAHID)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ bring-in the system's view and define, from the system's perspective, the software functionality the developers must build.

Answer (Please select your correct option)

 Functional Requirements Non-Functional Requirements User Requirements Business Requirements

Correct answer solved by Hadi

Email : usmanraj20@gmail.com

Cell no: 03228043306

Start Time: 11:18 AM

120:00

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Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an objective for building an analysis model?

Answer (Please select your correct option)

- Define set of software requirements
- Describe customer requirements
- Develop an abbreviated solution for the problem **Correct**
- Establish basis for software design

Correct answer solved by Hadi
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Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Control flow diagrams use _____

Answer (Please select your correct option)

- Dashed lines to show control flow
 - Solid bars as windows into the CSPEC
 - Single headed arrows for discrete data flow
 - Dashed lines to show control flow and solid bars as windows into the CSPEC
- i think

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Examination VU Examination System (... x)

Home RSS Print Page Safety Tools

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following scenario:

“Student logs the system and checks his/her lecture schedule”

Keeping in mind the use case diagram, and above scenario the one of the post conditions might be:

Answer (Please select your correct option)

- Student should have a login
- System should be available **Correct**
- Student should log-off after checking schedule
- Lecture schedule should be displayed date wise

Correct answer solved by Hadi
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100%

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

OOA is intended to define-----, their relationships, and their behavior.

Answer (Please select your correct option)

- Variables
- Classes **Correct**
- Objects
- Subjects

Correct answer solved by Hadi
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Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

One of the most powerful features of exception handling is that an error can be ----- over function boundaries.

Answer (Please select your correct option)

- Thrown **Correct**
- Called back
- Caught
- Sent

Correct answer solved by Hadi
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Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Inspections can check conformance with a specification but not conformance with the -----requirements.

Answer (Please select your correct option)

- Customer's real **Correct** Correct answer solved by Hadi
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- Developer
- Tester
- Manger

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Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

For inspections, ----- are prepared that contain information regarding defects.

Answer (Please select your correct option)

- Tables
- Checklists **Correct**
- Lists
- Frames

Correct answer solved by Hadi
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Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

The first "bug" was actually a moth, which flew through an open window and into one of the Mark ----- 's relays.

Answer (Please select your correct option)

- II **correct** Correct answer solved by Hadi
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- I
- III
- IV

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Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Holistic medicine, concerns itself with the state of the body as a whole, not the ----- that is currently attacking it.

Answer (Please select your correct option)

- Target
- Reason
- Disease **Correct**
- Source

Correct answer solved by Hadi
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Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

What factor has no precipitation in more sophisticated and complex computer-based systems?

Answer (Please select your correct option)

- Vast use of personel computers. **cORRECT**
- Vast increases in computer memory and storage capacity.
- Greater variety of exotic input/output options.
- Profound changes in computer architectures.

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Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

What types of errors are missed by black-box testing and can be uncovered by white-box testing?

Answer (Please select your correct option)

- Runtime errors
- Logic errors **Correct**
- Performance errors
- Input errors

Correct answer solved by Hadi
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Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

When large amount of data is to be shared, repository model is used. This model has been extensively used in the _____ based application.

Answer (Please select your correct option)

- Mainframe **Correct**
- Super Computers
- Personal Computers
- Real time

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Navigation icons: info, back, forward, next, print

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

A(n) _____ is a variance from a desired product attribute.

Answer (Please select your correct option)

- Error
- Exception
- Defect **Correct**
- Mistake

Correct answer solved by Hadi
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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Singleton Pattern **Correct**
- Observer Pattern
- Behavioral Pattern
- Joint Pattern

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Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

Performance & Usability are examples of _____ requirements.

Answer (Please select your correct option)

- Business
- Functional
- Non-Functional **Correct**
- User

Correct answer solved by Hadi
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Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

CamelCase is now the official convention for file names and identifiers in the _____ programming language.

Answer (Please select your correct option)

- C#
- C++
- Java **Correct**
- Visual Basic.Net

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Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

Comments should be indented relative to their position in the _____.

Answer (Please select your correct option)

- Code **Correct** Correct answer solved by Hadi
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- Design
- Analysis
- Reuirements

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Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

One of the guidelines to avoid common mistakes is to never use _____ except for declaration.

Answer (Please select your correct option)

- ' Correct
- ;
- =
- ||

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Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

When planning for performance, one should always remember the _____ rule.

Answer (Please select your correct option)

- 80/20 **Correct** Correct answer solved by Hadi
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- 70/20
- 60/20
- 100/20

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Behavioral class pattern uses _____ relationship to distribute behavior between classes.

Answer (Please select your correct option)

- Composition
- Aggregation
- Association
- Inheritance **Correct**

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Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

Software crisis appeared in _____.

Answer (Please select your correct option)

- Early 50s
- Early 60s **Correct**
- Early 70s
- Early 80s

Correct answer solved by Hadi
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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

In C++ or Java, named constants are written in all uppercase letters with _____ to separate words.

Answer (Please select your correct option)

- Semicolon ;
- Underscore _ **Correct**
- Colon :
- Dot .

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Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

Indentation larger than _____ makes deeply nested code difficult to read and increases the chance that the lines must be split.

Answer (Please select your correct option)

- 2
- 4 **Correct** Correct answer solved by Hadi
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- 3
- 1

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Which phase of software development lifecycle is considered most expensive?

Answer (Please select your correct option)

Requirement Gathering

System Design

Maintenance **Correct**

Development

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Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

A software requirement document describes all the _____ provided by the system along with the constraints under which it must operate.

Answer (Please select your correct option)

- Conditions
- Services **correct**
- Tasks
- Actions

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Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ and functional specification documents are produced in requirement analysis phase.

Answer (Please select your correct option)

- Feasibility report
- Requirement definition **Correct**
- Requirement specification
- Design definition

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Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

During the program execution most of the time is spent on _____.

Answer (Please select your correct option)

- Conditional Structure
- Loops **Correct**
- Arrays
- Functions

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Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

Many applications need to be ported on to many different _____.

Answer (Please select your correct option)

- Platforms **Correct**
- Language
- Compilers
- Software

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Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

There are _____ steps involved in identification of structure while deriving object model.

Answer (Please select your correct option)

- Two **correct**
- Three
- Four
- Five

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Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

The technique which is used to separate error-handling code from normal code is called _____.

Answer (Please select your correct option)

- Exceptional Handling **Correct**
- Function Handling
- Code Handling
- Variable Handling

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Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

In order to show the presence of a defect, a _____ breaks the system.

Answer (Please select your correct option)

- Tester **correct** Correct answer solved by Hadi
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- Developer
- Requirement Engineer
- Designer

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Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ design decisions should be ones that are changeable in software development cycle.

Answer (Please select your correct option)

- Early
- Late
- Heterogeneous
- Both a and b

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

Architectural model proposed by Clements et. al. contains _____ views.

Answer (Please select your correct option)

- 3
- 4 **Correct**
- 5
- 6

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Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ server provides set of applications that enable communication among clients using text, images, bulletin boards, video, etc.

Answer (Please select your correct option)

- File
- Database
- Transaction
- Groupware **Correct**

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is result of efforts to find a middle ground between the fat client architecture and the thin-client architecture.

Answer (Please select your correct option)

Pipe and filter architecture

N-tier architecture **Correct**

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Three tier architecture

Zero install

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Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

The process view captures the concurrency and _____ aspects of the design.

Answer (Please select your correct option)

- Synchronization **Correct**
- Asynchronization
- Mapping
- Data

Correct answer solved by Hadi
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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ involve purely black box testing.

Answer (Please select your correct option)

- Unit testing, Beta testing
- Acceptance testing, Interface testing
- Beta testing, Acceptance testing
- Integration testing, Interface testing

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Examination VU Examination System (... x)

Home RSS Print Page Safety Tools

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is the correct formula for calculating cyclomatic complexity of a program.

Answer (Please select your correct option)

 V - N + 2 E - V + 2 E - N + 2 **Correct** E + N - 2

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Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is not included in test criteria applied in a phase of testing.

Answer (Please select your correct option)

- Functional validity
 - Interface integrity
 - Correctness
 - Programing Logic
- Correct**

Correct answer solved by Hadi
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Question No : 1 of 52 **Marks: 1 (Budgeted Time 1 Min)**

The nature of software applications can be characterized by their information _____

Answer (Please select your correct option)

- Complexity
- Content
- Determinacy
- Content and determinacy

Correct answer solved by Hadi
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Question No : 2 of 52 **Marks: 1 (Budgeted Time 1 Min)**

The best way to conduct a requirements validation review is to _____

Answer (Please select your correct option)

- Examine the system model for errors
- Have the customer look over the requirements **Correct**
- Send them to the design team and see if they have any concerns
- Use a checklist of questions to examine each requirement

Correct answer solved by Hadi
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Question No : 3 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Flow Charts represents _____

Answer (Please select your correct option)

- Sequence Activity **Correct**
- Random activity
- Parallel activity
- Shuffle activity

Correct answer solved by Hadi
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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A process which does not take input is called _____

Answer (Please select your correct option)

Miracle process

Core porcess

Secondary process

Zombie process

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4



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Question No : 5 of 52 **Marks: 1 (Budgeted Time 1 Min)**

State Transition Diagram is helpful in determining _____

Answer (Please select your correct option)

- Business Understanding
- Process Flow
- Data store
- Control Flow

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Navigation icons: info, back, forward, search, etc.

Question No : 6 of 52 **Marks: 1 (Budgeted Time 1 Min)**

In a, each program module is represented by a rectangular box.

Answer (Please select your correct option)

- Use case diagram
- Document flow diagram
- Class diagram
- Data flow diagram

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Question No : 7 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Identify the correct description.

Answer (Please select your correct option)

- The collection of use cases for a system constitutes all the defined ways the system may be used. i think
- UML stands for Unified Markup Language
- State transition diagrams are drawn for objects with no significant dynamic behavior.
- Object Model depicts the dynamic behavior of system

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Question No : 8 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Which of the following is not a fundamental structured programming construct?

Answer (Please select your correct option)

- Recursion
- Condition
- Repetition
- Sequence

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Navigation icons: info, back, forward, search, etc.

Question No : 9 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Which writing style is best regarding identifier role in enhancing the readability of a program?

Answer (Please select your correct option)

- If (Flag == 0) **Correct** Correct answer solved by Hadi
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- If (Flag == START_NUMBER)
- If (Z == START_NUMBER)
- If (Z==0)

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Question No : 10 of 52 **Marks: 1 (Budgeted Time 1 Min)**

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

Answer (Please select your correct option)

- Normal **Correct**
- Abnormal
- Simple
- Complex

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Navigation icons: info, back, forward, search, etc.

Question No : 11 of 52 **Marks: 1 (Budgeted Time 1 Min)**

One of the most powerful features of exception handling is that an error can be ----- over function boundaries.

Answer (Please select your correct option)

- Thrown **Correct**
- Called back
- Caught
- Sent

Correct answer solved by Hadi
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Question No : 12 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Inspections can check conformance with a specification but not conformance with the -----requirements.

Answer (Please select your correct option)

- Customer's real **Correct**
- Developer
- Tester
- Manger

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Question No : 13 of 52 **Marks: 1 (Budgeted Time 1 Min)**

For inspections, ----- are prepared that contain information regarding defects.

Answer (Please select your correct option)

- Tables
- Checklists **Correct**
- Lists
- Frames

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Navigation icons: info, back, forward, search, print

Question No : 14 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Static analyzers are software tools for ----- processing.

Answer (Please select your correct option)

- Analysis text
- Source text **Correct**
- Design text
- Maintenance Text

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Question No : 15 of 52 **Marks: 1 (Budgeted Time 1 Min)**

What factor has no precipitation in more sophisticated and complex computer-based systems?

Answer (Please select your correct option)

- Vast use of personel computers. **Correct**
- Vast increases in computer memory and storage capacity.
- Greater variety of exotic input/output options.
- Profound changes in computer architectures.

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Question No : 16 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Testing is an intellectually demanding activity and has a lifecycle ----- to software development.

Answer (Please select your correct option)

- Equal
- Parallel **Correct**
- Sequential
- In contrast

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Question No : 17 of 52 **Marks: 1 (Budgeted Time 1 Min)**

_____ are used to describe flow of data or control in an application.

Answer (Please select your correct option)

- Code structures
 - String matchings
 - Paths
 - Flow graphs
- Correct**

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Question No : 18 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Writing test cases and generating test data are processes that demand _____ building capabilities.

Answer (Please select your correct option)

- Code
- Domain
- System
- Scenario **Correct**

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Idea of zero install architecture is to develop a system where no installation on the _____ is needed.

Answer (Please select your correct option)

Client side
Correct

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Server Side

Client & Server Side

Network

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Question No : 20 of 52 **Marks: 1 (Budgeted Time 1 Min)**

There are four basic coding structures: sequence, if statement, case statement, and _____.

Answer (Please select your correct option)

- For loop
- While loop **Correct**
- Switch statement
- Logical operations

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Question No : 21 of 52 **Marks: 1 (Budgeted Time 1 Min)**

The pattern movement became very quiet until _____ when patterns appeared again at OOPSLA conference.

Answer (Please select your correct option)

- 1987 **Correct** Correct answer solved by Hadi
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- 1988
- 1962
- 1995

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Question No : 22 of 52 **Marks: 1 (Budgeted Time 1 Min)**

In _____ coverage scheme, all possible paths of a program from input instruction to the output instruction are tested.

Answer (Please select your correct option)

- Branch coverage
- Statement Coverage
- Path Coverage **Correct**
- System Coverage

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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Inspections cannot check _____ characteristics.

Answer (Please select your correct option)

- Non-Functiona**l** **Correct**
- Business
- User
- Functional

Correct answer solved by Hadi
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Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

Split lines occur when a statement exceed the _____ column limit.

Answer (Please select your correct option)

- 80 **Correct**
- 90
- 95
- 85

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Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

Comments should be indented relative to their position in the _____.

Answer (Please select your correct option)

- Code **Correct**
- Design
- Analysis
- Reuirements

Correct answer solved by Hadi
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Question No : 26 of 52 **Marks: 1 (Budgeted Time 1 Min)**

STL is a library of reusable components provided by _____ compilers.

Answer (Please select your correct option)

- Java
- Cobol
- SmallTalk
- C++ **Correct**

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Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

In _____, the responsibility of instantiation of an object is given to some other object.

Answer (Please select your correct option)

- Behavioral
- Structural
- Creational **Correct**
- Observer

Correct answer solved by Hadi
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Question No : 28 of 52 **Marks: 1 (Budgeted Time 1 Min)**

_____ pattern is an example of creational pattern.

Answer (Please select your correct option)

- Facade
- Singleton
- Observer
- Prototyping

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Question No : 29 of 52 **Marks: 1 (Budgeted Time 1 Min)**

_____ pattern hides the implementation of the subsystem from clients, making the subsystem easier to use.

Answer (Please select your correct option)

- Observer
- Facade
- Creational
- Singleton

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Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

Indentation larger than _____ makes deeply nested code difficult to read and increases the chance that the lines must be split.

Answer (Please select your correct option)

- 2
- 4 **Correct**
- 3
- 1

Correct answer solved by Hadi
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Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ language allows short circuiting.

Answer (Please select your correct option)

- Pascal
- C
- C++ **Correct**
- ADA

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Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ language explicitly specifies which statement should be short circuiting.

Answer (Please select your correct option)

- Pascal
- C
- C++ **Correct**
- ADA

Correct answer solved by Hadi
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Time Left



Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

Which phase of software development lifecycle is considered most expensive?

Answer (Please select your correct option)

- Requirement Gathering
- System Design
- Maintenance **Correct**
- Development

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

Dynamic memory allocation is done from internal memory storage called _____.

Answer (Please select your correct option)

- Cache
- Pool **Correct**
- VRam
- Boot Memory

Correct answer solved by Hadi
Email : usmanraj20@gmail.com
Cell no: 03228043306

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Question No : 35 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Context level diagram is also known as _____.

Answer (Please select your correct option)

- 0-level DFD **Correct**
- 1-level DFD
- 2-level DFD
- 3-level DFD

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Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ server provides set of applications that enable communication among clients using text, images, bulletin boards, video, etc.

Answer (Please select your correct option)

- File
- Database
- Transaction
- Groupware **Correct**

Correct answer solved by Hadi
Email : usmanraj20@gmail.com
Cell no: 03228043306

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Question No : 37 of 52 **Marks: 1 (Budgeted Time 1 Min)**

Unit testing process is done by _____ stakeholder of the software.

Answer (Please select your correct option)

- Project Manager
- Customer
- Software Engineer
- Developer **Correct**

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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

The number of paths in a program that contains loops tends to _____.

Answer (Please select your correct option)

- Finite
- Infinity **Correct**
- Limited
- Countable

Correct answer solved by Hadi
Email : usmanraj20@gmail.com
Cell no: 03228043306

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

When measure of independence of a module or component is low to the other, changes in one component have effect on other component is _____.

Answer (Please select your correct option)

 No Low High Equal

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Question No : 40 of 52 **Marks: 1 (Budgeted Time 1 Min)**

UML(Unified Modeling Language) is among different which are used for documenting the object oriented design.

Answer (Please select your correct option)

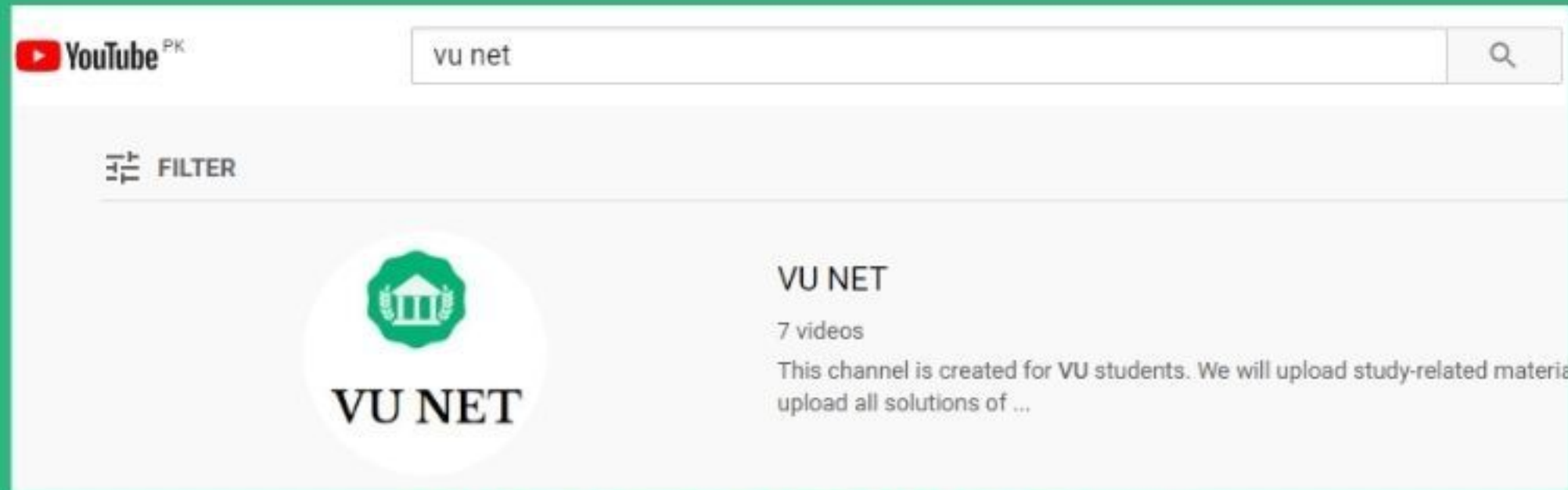
- Reports
- Documents
- Notations **Correct**
- SRS

Email : usmanraj20@gmail.com
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