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# CS504 Software Engineering Finalterm MCQ's (Solved), Spring 2014

**August 29, 2014**

# CS504 – Software Engineering - I

Recent Papers MCQ's Solved by **Abdul Fahd** MCS-3<sup>rd</sup> and **Saif** BSCS-4<sup>th</sup>

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

Code

Domain

System

**Scenario        scenario-building (correct)**

What types of errors are missed by black-box

testing and can be

uncovered by whitebox

testing?

Runtime errors

**Logic errors**

**(correct)**

Performance errors

Input errors

The cyclomatic complexity

metric provides the

designer with information

regarding the

number of _____.

Statements in the program

Cycles in the program

Errors in the program

**Independent logic paths**

**in the program**

**207**

**(correct)**

The best reason for using

Independent software test

teams is that

**Software developers do**

**not need to do any**

**testing          (correct)**

Strangers will test the

software mercilessly

Testers do not get involved

with the project until

testing begins

The conflicts of interest

between developers and

testers is reduced

_____ is intended to

define a many to many

relationship between

objects so that when

one object changes state all

its dependants are notified

and updated automatically.

**Observer Pattren**

**          (correct)**

Facade Pattren

Singleton Pattren

Joint Pattren

_____ ensures that a

class only has one instance

and provides a global point

of access to

it.

Behavioral Pattern

Joint Pattern

**Singleton Pattern**

**145**

**(correct)**

Observer Pattern


Inspections cannot check

_____

characteristics.

**Non-Functioanl**

**213**

**(correct)**

Business

User

Functional


Secondary private classes

can be declared as

_____ and reside in

the file of the class

they belong to.

Asynchronous Classes

**Inner classes**

**158**

**(correct)**

Outer classes

Synchronous classes

The construction should

appear at the _____

of the header file.

**Top**       **(correct)**

Bottom

Left

Right

In the switch statement,

cases should always end

with _____.

Return

Semi colon

**Break**

**170**    **(correct)**

Full stop

Modularity is a tool that

can help us in _____

the size of individual

functions.

Stabilizing

**Reducing**

**173      (correct)**

Increasing

Strengthening


Abstraction and

encapsulation are two

important tools that can

help in managing and

mastering the _____

of a program.

Usability

**Complexity**

**173      (correct)**

Understandability

Reliability


One of the guidelines to

avoid common mistakes is

to never use _____

except for

declaration.

**,           comma ,**

**      (correct)**

;

=

||

Which of the following

is/are NOT one of the

umbrella activities?

Requirement analysis

Architecture design

Test case development

**All of the given options**

**              (correct)**

In a …………., each

program module is

represented by a

rectangular box.

**Use case diagram**

**            33**

**(correct)**

Class diagram

Document flow diagram

Data flow diagram

……………… is a

diagramming technique

used to identify the types

of objects in the system

and the static relationships

that exist among them.

**Class Diagram**

**(correct)**

Document flow diagrams

Data flow diagrams

Flow charts


Which one is NOT a type

of messages which

Sequence Diagrams Depict

_____

Asynchronous

Synchronous

Create

**Update**

**108            (correct)**


Identifying Whole-Part

structures (Aggregations)

means, what are my -------

-------

**Components**

**95**

**(correct)**

Structures

Modules

Interaction Protocols

The design process for

identifying the sub-systems

making up a system and

the

framework for sub-system

control and communication

is:

**Architectural Design**

**115**

**(correct)**

Interface Design

Component Design

Data Design

A complex System evolves

from a

Smaller system

**Simpler system**

**69**

**(correct)**

Bigger system

Medium system

A context diagram _____

Describes the context

dependencies of a system

**Is a DFD which gives an**

**overview of the system**

**(correct)**

Is a detailed description of

a system

Is not used in drawing a

detailed DFD

When measure of

independence of a module

or component is low to the

other,

How would changes in one

component have effect on

other component?

No

Low

**High              (correct)**

Equal

What is meant by the term

'software crisis'?

Ability to deliver software

on time with good quality

A situation in which

experienced developers

leave the company

**Inability of new software**

**to inter-operate with**

**existing software**

**(correct)**

A situation in which

large scale software

projects took more

time and budget than

was planned

Which is not included in

test criteria applied in a

phase of testing?

Functional validity

Interface integrity

Correctness

**Programming Logic**

**(correct)**

For inspections, -------------

-- are prepared that contain

information regarding

defects.

Tables

**Checklists**

**210                           (correct)**

Lists

Frames

Static analyzers are

software tools for -----------

---- processing.

Analysis text

**Source text**

**211                           (correct)**

Design text

Maintainence Text

Holistic medicine,

concerns itself with the

state of the body as a

whole, not the -----------

that is currently attacking

it.

Target

Reason

**Disease　　224**

**　　(correct)**

Source



What factor has no

precipitation in more

sophisticated and complex

computer-based

systems?

**Vast use of personal**

**computers.**

**(correct)**

Vast increases in computer

memory and storage

capacity.

Greater variety of exotic

input/output options.

Profound changes in

computer architectures.



Software Bugs have

multiple names. Which one

of the below is not the

name of Software

Bugs?

Bugs

Defects

Errors

**Mistakes    213**

**        (correct)**

Unit testing is roughly

equivalent to _____

testing for hardware in

which each chip is

tested thoroughly after

manufacturing.

Circuit level

**Chip Level**

**207            (correct)**

Component level

System level

Equivalence _____

help you in designing test

cases to test the system

effectively and

efficiently.

Functions

**Classes**

**202              (correct)**

Objects

Interfaces

_____ are used to

describe flow of data or

control in an application.

Code structures

String matching.

Paths

**Flow graphs**

**                      203**

**          (correct)**

Writing test cases and

generating test data are

processes that demand

_____ building

capabilities.

Domain

System

**Scenario**

**                      198**

**202      (correct)**

Code

The raising of the

imaginary error flag is

simply called raising or

_____ an error.

**Throwing**

**187**

**(correct)**

Sending

Casting

Handling

_____ requirements

are often called product

features.

Functional

**Business**

**22                    (correct)**

User

Non-functional

Many compilers limit the

maximum number of bits

in the bit field to the size of

a(n)

_____.

**Integer**

**183          (correct)**

Float

Character

Double


In Java, ">>" is used for

_____ shift and ">>>"

for _____ shift.

**Arithmetic, Logical**

**181**

**(correct)**

Mathematical, Logical

Incremental, Arithmetic

Logical, Arithmetic


When large amount of data

is to be shared, repository

model is used. This model

has

been extensively used in

the _____ based

application.

**Mainframe**

**183          130**

**(correct)**

Super Computers

Personal Computers

Real time

There are four basic coding

structures: sequence, if

statement, case statement,

and

_____.

For loop

**While loop**

**203**

**(correct)**

Switch statement

Logical operations

_____ is only a

reference for defining

protocols and designing

and implementing

systems developed by

different parties.

OSI model

**Reference architecture**

**137**

**_____ (correct)**

Layered architecture

N-tier architecture

The pattern movement

became very quiet until

_____ when patterns

appeared again

at OOPSLA conference.

**1987**

**141      (correct)**

1988

1962

1995

STL Stands for

_____.

Standard Temporary Line

Standard Temporary

Library

**Standard Template**

**Library**

**141      (correct)**

Standard Type Link

MVC stands for

_____.

Modern View Center

**Model View Controller**

**143**

**(correct)**

Modern View Controller

Model View Center

_____ ensures that a

class only has one instance

and provides a global point

of access to

it.

**Singleton Pattern**

**145**

**(correct)**

Observer Pattern

Behavioral Pattern

Joint Pattern

Which design pattern

provides a unified interface

to a set of interfaces in a

sub-system?

**Façade**

146            **(correct)**

Singleton

Observer

Joint

Testing activities require destructive instincts in _____ for the purpose of breaking system to discover loopholes into its functionality.

Bug Fixers

**Tester**

198            **(correct)**

Developer

Requirement Engineer

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

C#

C++

**Java**

**152          (correct)**

Visual Basic.Net

In presence of _____

bug in a program, the

results are the opposite of

what is

expected.

Memory Leak

Memory Over-runs

Syntax Error

**Logical Error**

**221          (correct)**

Split lines occur when a

statement exceed the

_____ column limit.

**80**

**158          (correct)**

90

95

85

Identifier names play a

significant role in

enhancing the

_____ of a

program.

Writability

**Readability**

           **151**

    **(correct)**

Reliability

Usability


"is" prefix should be used

for_____ variables

and methods.

Static

General

**Boolean**

           **155**

    **(correct)**

Constant


Comments should be

indented relative to their

position in the _____.

**Code**

**165          (correct)**

Design

Analysis

Requirements

Modularity is a tool that

can help us in _____

the size of individual

functions.

Stabilizing

**Reducing**

**173**

**(correct)**

Increasing

Strengthening

When planning for

performance, one should

always remember the

_____ rule.

**80/20**

**180          (correct)**

70/20

60/20

100/20

Which of the items listed below is NOT one of the software engineering layers?

Tools

Process

**Manufacturing** **(correct)**

Methods

Which of the following is a non-functional requirement of a website which sells songs?

A catalogue of the stock needs to be available for the users to choose from

Customer information should be retained to allow future transactions easier

Users should be able to choose from a set of different languages for the interface

**Time taken to download songs in the catalogue should not irritate users         (correct)**

The state transition diagram _____

Depicts relationships between data objects

Depicts functions that transform the data flow

**Indicates how data are transformed by the system**

**(correct)**

Indicates system reactions to external events

Control flow diagrams are:

Needed to model event driven systems

Required for all systems

**Used in place of data flow diagrams**

**(correct)**

Useful for modeling user

interfaces

Prototyping _____

Ensures getting the design

right the first time

Is the execution of the

standard systems

development cycle using

CASE tools.

**Is used to verify if a key**

**process is feasible**

**(correct)**

Involves an iterative

development process with

minimum end use

involvement.

Identifying Whole-Part

structures (Aggregations)

means, what are my --------

-----

Components

**Structures**

**98**         **(correct)**

Modules

Interaction Protocols

Software architecture is

"The _____ of the

components of a

program/system,

their interrelationships, and

principles and guidelines

governing their design and

evolution

over time".

Combination

Collection

**Structure**

**120           (correct)**

Unification

The object-behavior model

indicates how the system

_____

Functions in the operating

environment

**Objects collaborate with**

**one another**

**(correct)**

Responds to external

stimuli

Responds to internal

stimuli

Perry and Wolfe proposed

the following formula for

software architecture:

Software architecture =

{Forms, Rationale}

**Software architecture =**

**{Elements, Forms,**

**Rationale}**

**125          (correct)**

Software architecture =

{Parts, Rationale}

Software architecture =

{Parts, Elements}

Repository model also

provides the -----------------

----- view of the system.

**Global**

**130          (correct)**

Local

General

Private

In the case of zero-install,

the network environment is

used to _____ server side

processing by adding a

number of servers which

share processing load.

**Distribute**

**133            (correct)**

Centeralize

Shift

De-Synchronize

Requirement Statement

and Requirement

Specification are also

called

Requirement Definition

and _____

**Functional Specification**

**28**

**(correct)**

Mathematical specification

System Specification

Cost Specification

Which of the following is

not a fundamental

structured programming

construct?

**Recursion**

**(correct)**

Condition

Repetition

Sequence

For equivalence partitions,

we divide the problem in --

--------- obvious categories

of

equal strings

4

3

**2        202**

**(correct)**

5

Which is not included in

test criteria applied in a

phase of testing?

Functional validity

Interface integrity

Correctness

**Programing Logic**

**(correct)**

Static analyzers are

software tools for -----------

---- processing.

Analysis text

**Source text**

**214            (correct)**

Design text

Maintainence Text

The first "bug" was

actually a moth, which

flew through an open

window and into one of

the Mark --------- 's relays.

**II                216**

**(correct)**

I

III

IV

Holistic medicine,

concerns itself with the

state of the body as a

whole, not the -----------

that is currently attacking

it.

Target

Reason

**Disease**

**(correct)**

Source

Bugs Fixing is done by

which of the teams in

Software Development

lifecycle?

**Development Team**

**(correct)**

Testing Team not sure

Analysis & Design Team

Process Team

Which of the following

testing involve purely

black box testing?

Unit testing, Beta testing

Acceptance testing,

Interface testing

**Beta testing, Acceptance**

**testing**

**(correct)**

Integration testing,

Interface testing

A memory leak bug is one

in which memory is

somehow allocated from

either the

operating system or an -----

----- "pool", but never

deallocated when the

memory is finished

being used.

External memory

Mixed memory

**Internal Memory**

**219**

**(correct)**

Mutually exculive memory

Equivalence _____

help you in designing test

cases to test the system

effectively and efficiently.

Functions

**Classes**

**202                     (correct)**

Objects

Interfaces

_____ are used to

describe flow of data or

control in an application.

Code structures

String matchings

Paths

**Flow graphs**

**203                     (correct)**

_____ requirements

are often called product

features.

Functional

**Business**

**(correct)**

User

Non-functional

In Java, ">>" is used for

_____ shift and ">>>"

for _____ shift.

**Arithmetic, Logical**

**        (correct)**

Mathematical, Logical

Incremental, Arithmetic

Logical, Arithmetic


When large amount of data

is to be shared, repository

model is used. This model

has

been extensively used in

the _____ based

application.

**Mainframe**

**130                (correct)**

Super Computers

Personal Computers

Real time


Idea of zero install

architecture is to develop a

system where no

installation on the _____

is needed.

**Client side**

**133** **(correct)**

Server Side

Client & Server Side

Network

_____ is only a

reference for defining

protocols and designing

and implementing

systems developed by

different parties.

OSI model

**Reference architecture**

**137**

**(correct)**

Layered architecture

N-tier architecture

Description of

communicating objects and

classes that are customized

to solve a general

design in a particular

context is called

_____.

**Design Pattren**

**140**

**(correct)**

System Pattren

System Design

Design System

Which of the following is the correct formula for calculating cyclomatic complexity of a program ?

V - N + 2

E - V + 2

**E - N + 2 208**

**(correct)**

E + N – 2

In unit testing, developers test _____ code units (modules, classes, etc.) during implementation.

Other's

**Their own**

**210                    (correct)**

Mixed code of people

Hidden

Performance & Usability

are examples of

_____ requirements.

Business

Functional

**Non-Functional**

**                    213**

**(correct)**

User

33.Which of the following

is the correct definition for

software testing ?

The process of

demonstrating that errors

are not present

The process of establishing

confidence that a program

does what it is supposed to

do

The process of executing a

program to show it is

working as per

specifications

**The process of executing**

**a program with the intent**

**of finding errors**

**(correct)**

The code is misbehaving in

a way that cannot be easily

explained.

The above statement is the

symptom of _____.

Runtime Error

**Logical Error**

**                221**

Memory Leak

Exception

Secondary private classes

can be declared as

_____ and reside in

the file of the class

they belong to.

Asynchronous Classes

**Inner classes**

**158**        **(correct)**

Outer classes

Synchronous classes

Split lines occur when a

statement exceed the

_____ column limit.

**80**         **158**

     **(correct)**

90

95

85

Identifier names play a

significant role in

enhancing the

_____ of a

program.

Writability

**Readability**

**151**        **(correct)**

Reliability

Usability

Names representing

methods and functions

should be _____ and

written in mixed case

starting with _____

case.

Noun, Lower

Noun, Upper

Verb, Upper

**Verb, Lower**

**(correct)**


"is" prefix should be used

for_____ variables

and methods.

Static

General

**Boolean**

**155**         **(correct)**

Constant


If you are initializing a

variable at the time of

declaration, do not declare

another

_____in the same

statement.

**Variable**

**179                    (correct)**

Object

Class

Module

A change becomes ---------

---- because of close

presence of data and

fucntions

**Localized**

**(correct)**

Private

Global

Accessible

Which of the following is

NOT an objective for

building an analysis

model?

**Develop an abbreviated**

**solution for the problem**

**          (correct)**

Establish basis for software

design

Define set of software

requirements

Describe customer

requirements

Data flow diagrams are

used to handle processes

involved in _____

Business Process

Transformation

**Flow of data**

**53**          **(correct)**

Flow of information

Cost estimation

The first most important

study in developing any

system is to indentify

**Purpose of the**

**system**

**(correct)**

Implementation of the

system

Design of the system

Architecture of the system

not sure _

Software Architecture is all

about _____

Requirements gathering

**Design**

**(correct)**

Coding

Testing

Dynamic components of an

OOA model are

_____

Not reusable

**Sensitive to timing and**

**event processing**

**(correct)**

Stable throughout the

operational life of an

application

Structural in nature

UML (unified modeling

language) analysis

modeling focuses on the

_____ .

**Behavioral model and**

**environment model.**

**(correct)**

Behavioral model and

implementation model.

User model and

environmental model

User model and structural

model

Perry and Wolfe proposed

the following formula for

software architecture:

Software architecture =

{Forms, Rationale}

**Software architecture =**

**{Elements, Forms,**

**Rationale}**

**(correct)**

Software architecture =

{Parts, Rationale}

Software architecture =

{Parts, Elements}

Repository model also

provides the ----------------

----- view of the system

**Global**

**130**              **(correct)**

Local

General

Private


Which of the below is

NOT a part of

Architectural styles?

Data Center architecture

Client Server Architecture

**Hirerical Architercture**

          **129**

**(correct)**

Layered Architecture


Consider the following

scenario:

"Student logins 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:

Student should have a

login

System should be available

**Student should log-off**

**after checking**

**schedule**

**(correct)**

Lecture schedule should be

displayed date wise

When measure of

independence of a module

or component is low to the

other,

How would changes in one

component have effect on

other component?

No

Low

**High                     (correct)**

Equal

One of the most powerful features of exception handling is that an error can be ----------

over function boundaries.

**Thrown**

**187              (correct)**

Called back

Caught

Sent

What is the normal order of activities in which software testing is organized?

**Unit, integration, system, validation**

**(correct)**

System, integration, unit, validation

Unit, integration, validation, system

Integration, unit, system, validation

Two tests are considered to

be equivalent if it is

believed that: if one

discovers a defect,

the other probably will too,

and if one does not

discover a defect, -----------

----------------------.

The other probably may

The other probably can

**The other probably won't**

**either                202**

**        (correct)**

The other probably will

For equivalence partitions,

we divide the problem in --

--------- obvious categories

of

equal strings

4

3

**2                (correct)**

5

In -------------- testing we test the structure of the program.

**White Box**

**201**        **(correct)**

Black Box

System

Regression

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

Analysis text

**Source text**

**214**        **(correct)**

Design text

Maintainence Text

Unit testing is roughly equivalent to _____ testing for hardware in which each chip is tested thoroughly after manufacturing.

Circuit level

**Chip Level**

**210**         **(correct)**

Component level

System level

20.A SRS is said to be

_____ if and only if,

every requirement stated

therein has only one

interpretation.

Compact

**Unambiguous**

         **(correct)**

Consistant

Detailed

In Java, ">>" is used for

_____ shift and ">>>"

for _____ shift

**Arithmetic, Logical**

         **(correct)**

Mathematical, Logical

Incremental, Arithmetic

Logical, Arithmetic

A(n) _____ is a

variance from a desired

product attribute

Error

Exception

**Defect**

**195       (correct)**

Mistake

st cases should be

generated for unit testing

and system testing during

_____.

**Testing and maintenance**

**respectively**

**(correct)**

Requirement analysis

Design and requirement

analysis respectively

Coding and design

respectively

a of zero install

architecture is to develop a

system where no

installation on the _____ is

needed.

**Client side**

**133**       **(correct)**

Server Side

Client & Server Side

Network

_____ is NOT a layer

of operating system.

Core layer

Application layer

**Presentation layer**

      **136**

**(correct)**

UI layer

26.patterns are devices that

allow programs to share

knowledge about their

_____.

**Design**

**140**       **(correct)**

Code

Analysis

Testing

Which design pattern

provides a unified interface

to a set of interfaces in a

sub-system?

**Façade**

**146**          **(correct)**

Singleton

Observer

Joint

In unit testing, developers

test _____ code

units (modules, classes,

etc.) during

implementation.

Other's

**Their own**

**210**          **(correct)**

Mixed code of people

Hidden

Inspections cannot check

_____

characteristics.

**Non-Functioanl.**

         **213**

**(correct)**

Business

User

Functional

Performance & Usability

are examples of

_____ requirements.

Business

Functional

**Non-Functional**

**213**

**(correct)**

User

Inspections may be applied

to any representation of the

system which may include

all

except _____.

Requirements

Design

Testing

**Analysis**

**213          (correct)**

Debuggers can be used to

display values of

_____ .

local variables only

global variables only

static variables only

**both local and global**

**variables**

**229                      (correct)**

The code is misbehaving in

a way that cannot be easily

explained.

The above statement is the

symptom of _____.

Runtime Error

**Logical Error**

**221**

**(correct)**

Memory Leak

Exception

Ideally speaking, a

function should not be

larger than _____lines

of code and in any

case should not exceed one

page in length.

**20                    150**

**            (correct)**

15

30

25

CamelCase is now the

official convention for file

names and identifiers in the

_____

programming language.

C#

C++

**Java                152**

**            (correct)**

Visual Basic.Net

Split lines occur when a

statement exceed the

_____ column limit.

**80                (correct)**

90

95

85

37.The construction should

appear at the _____

of the header file

**Top                    160**

**           (correct)**

Bottom

Left

Right

Identifier names play a

significant role in

enhancing the

_____ of a

program.

Writability

**Readability**

**(correct)**

Usability

Maintainability

One of the guidelines to

avoid common mistakes is

to never use _____

except for declar

**,                    (correct)**

;

=

||

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

**80/20**        **(correct)**

70/20

60/20

100/20

Following are some statements associated with data flow diagrams. Identify the correct statement from among them.

DFDs are used to model complex interfaces.

DFDs are used to represent only functional processing, data stores and data movements between functions.

**DFDs depict only processes which can be decomposed.**
**(correct)**

DFDs do not show external data sources and external data sinks.

A project is considered successful if:

**The system was delivered in time and within budget.**
**(correct)**

The system meets at least some of the customer's requirements.

The system development process has a maximum impact on the ongoing business process.

Minimum time was spent for requirement gathering and designing.

A process which does not

take input is called _____

**Miracle process**

**_____ (correct)**

Core process

Secondary process

Zombie process


Data Flow Diagrams

_____

Replace the job of systems

analysts

Do not allow every

function to work at the

same time.

Can be automatically

generated by computer

aided software engineering

tools

**Describes how data flows**

**from one logical**

**processing unit to**

**another (correct)**


In a …………., each

program module is

represented by a

rectangular box.

**Use case diagram**

**(correct)**

Document flow diagram

Class diagram

Data flow diagram

Identify the correct

description.

The collection of use cases

for a system constitutes all

the defined ways the

system may be

used.

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**

**(correct)**

Dynamic components of an

OOA model are

_____

Not reusable

**Sensitive to timing and**

**event processing**

**(correct)**

Stable throughout the

operational life of an

application

Structural in nature

To determine the

architectural style or

combination of styles that

best fits the proposed

system, requirements

engineering is used to

uncover:

Algorithmic complexity

**Characteristics and**

**constraints**

**(correct)**

Control and data

Design patterns

Krutchen's 4+1

architectural view model

proposes the development

of _____ main views

5

**4          There are 4 main**

**views**

**(correct)**

3

2

Repository model also

provides the -----------------

----- view of the system.

**Global            (correct)**

Local

General

Private

Client server model tries to

_____ data and

processing.

**Distribute**

**130             (correct)**

Centralize

Process in parallel

Combine

We can divide the whole

Software Engineering

process in 4 distinct phases

namely

vision, definition,

development, and

maintenance.

Which of the following is

not among "Definition

related" activities of

software development?

Requirement verification

**Change Control**

**(correct)**

Requirement Engineering

Software Requirements

What is meant by the term

'software crisis'?

Ability to deliver software

on time with good quality

A situation in which

experienced developers

leave the company

**Inability of new software to inter-operate with existing software (correct)**

A situation in which large

scale software projects

took more time and budget

than

was planned

Which of the following are

external qualities of a

software product?

Maintainability, reusability,

portability, efficiency,

correctness

Correctness, reliability,

robustness, efficiency,

usability

**Portability, interoperability, maintainability, reusability**

**(correct)**

Robustness, efficiency,

reliability, maintainability,

reusability

Which writing style is best

regarding identifier role in

enhancing the readability

of a

program?

If (Flag = = 0)

If (Flag = =

START_NUMBER)

**If (Z = =**

**START_NUMBER)**

**(correct)**

If (Z= =0)

A useful technique for

evaluating the overall

complexity of a proposed

architecture is to

look at the component

Number and size of

components

**Flow dependencies and**

**sharing dependencies**

**(correct)**

Size and cost

Algorithms used

For equivalence partitions,

we divide the problem in --

--------- obvious categories

of

equal strings

4

3

**2**　　　　　　　**(correct)**

5

In -------------- testing we

test the structure of the

program.

**White Box**

**(correct)**

Black Box

System

Regression

Which is not included in

test criteria applied in a

phase of testing?

Functional validity

Interface integrity

Correctness

**Programming Logic**

**(correct)**

Inspections can check

conformance with a

specification but not

conformance with the ---

----------requirements.

**Customer's real**

**213**

**(correct)**

Developer

Tester

Manger

Static analyzers are

software tools for -----------

---- processing.

Analysis text

**Source text**

**(correct)**

Design text

Maintenance Text

Holistic medicine,

concerns itself with the

state of the body as a

whole, not the -----------

that is currently attacking

it.

Target

Reason

**Disease**

**(correct)**

Source

Software deteriorates

rather than wears out

because

Software suffers from

exposure to hostile

environments

**Defects are more likely to**

**arise after software has**

**been used often**

**(correct)**

Multiple change requests

introduce errors in

component interactions

Software spare parts

become harder to order

Testing is an intellectually

demanding activity and has

a lifecycle ---------- to

software

development.

Equal

**Parallel**

**198                (correct)**

Sequential

In contrast

A memory leak bug is one

in which memory is

somehow allocated from

either the

operating system or an -----

----- "pool", but never

deallocated when the

memory is finished

being used.

Mixed memory

External memory

**Internal Memory**

**219**

**(correct)**

Mutually exculive memory

_____ are used to

describe flow of data or

control in an application.

Code structures

String matchings

Paths

**Flow graphs**

**203**

**(correct)**

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2020 at 06:20**

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