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VU Answer

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If a company is at CMM level 3 then it implicitly means that it is performing all the KPAs of



Answer (Please select your correct option)

Level 1



Level 2 and Level 3



Level 3 alone



Level 1 and level 3





_____ is a document driven model because a set of documents is produced at each level of the model.

Answer (Please select your correct option)

Waterfall model

Correct answer solve by hadi
More detail: usmanraj20@gmail.com

Rapid Prototyping Model

Incremental Model

None of the given

Made By: Waqar Siddhu



_____ is the first stage of waterfall lifecycle model

Answer (Please select your correct option)



Requirement definition

Correct answer solve by hadi
More detail: usmanraj20@gmail.com



Operation



Unit testing



Implementation

Made By: Waqar Siddhu



Which of the following questions is not addressed when the W5HH principle is applied ?

Answer (Please select your correct option)

What will be done by whom ?

Correct answer solve by hadi
More detail: usmanraj20@gmail.com
0322-8043306

Why is the system being developed ?

Where are they organizationally located ?

How much of each resource is required ?

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The extent to which a program satisfies its specification and fulfills the customer's mission objectives is said to be achieving the:

Answer (Please select your correct option)



Usability



Efficiency



Reliability



Correctness

Correct answer solve by hadi
More detail: usmanraj20@gmail.com

Made By: Waqar Siddhu



MTTC is the abbreviation of :

Answer (Please select your correct option)

Measured time to change

Mean time to collaborate

Mean time to change

Measure time to cope

Correct answer solve by hadi
More detail: usmanraj20@gmail.com

Made By: Waqar Siddhu

Although there are many different models developed by different researchers for estimation, all of them share which one of the following basic structure

Answer (Please select your correct option)

$E = 3.2 (KLOC)^{1.05}$

$E = A + B * (ev)C$

$E = [LOC \times B0.333/P] \times (1/t4)$

None of the given

Correct answer solve by hadi
More detail: usmanraj20@gmail.com



Risk Analysis and management involves addressing the following concerns **except**:

Answer (Please select your correct option)

What change might cause the risk to strike ?

Correct answer solve by hadi
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What thing may go wrong in future ?

What can happen if the web interface of the company's website will change ?

What is the nature of software domain ?

Which of the following is not one of the characteristics to describe a KPA?

Answer (Please select your correct option)

Resources

Correct answer solve by hadi
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Goals

Activities

Commitments

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Which one of the following is NOT an object oriented life cycle model?

Answer (Please select your correct option)

- Extreme Programming
- Fountain Model
- Rational Unified Process (RUP) model
- Rapid Application Development Model

Correct answer solve by hadi
More detail: usmanraj20@gmail.com

Made By: Waqar Siddhu



Project management is ____ intensive activity

Answer (Please select your correct option)

- People
- Product
- Process
- Resource

Correct answer solve by hadi
More detail: usmanraj20@gmail.com

Made By: Waqar Siddhu



_____ is NOT one of the generic structural paradigms proposed by Constantine.

Answer (Please select your correct option)

Closed paradigm

Random paradigm

Hybrid paradigm

Synchronous paradigm

Correct answer solve by hadi
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Made By: Waqar Siddhu



An _____ is the smallest unit of activity that is meaningful to the user(s) is called

Answer (Please select your correct option)



Function point



Elementary process



Adjustment factor



Data count

Correct answer solve by hadi
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Made By: Waqar Siddhu

The degree to which software performs its function is called ____.

Answer (Please select your correct option)

Maintainability

Correctness

Integrity

Interoperability

Correct answer solve by hadi
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Made By: Waqar Siddhu



A system for which the physical or intellectual skills required to learn the system are low, is called highly ____ system

Answer (Please select your correct option)

Available

Usable

Maintainable

Flexible

page: 69

Correct answer solve by hadi
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Risk mitigation involves

Answer (Please select your correct option)

Reducing the impact of risk

Check book ... page 89

Reducing the risk management plan

Correct answer solve by hadi
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Redesigning the contingency plan

Performing the risk analysis again

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_____ distributes estimated effort across the planned project duration by allocating the effort to specific software engineering tasks

Answer (Please select your correct option)

Project tracking

Project compartmentalization

Project scheduling

Project Estimation

page : 92 handouts

Correct answer solve by hadi
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Made By: Waqar Siddhu

A schedule developed at early stages of project planning is called:

Answer (Please select your correct option)

Macroscopic

page : 92

Correct answer solve by hadi
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Beta

Visionary

Concrete

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For a project, if value of TSS is 0.9, then the degree of rigor for this project will be:

Answer (Please select your correct option)

Strict

Structured

Casual

Strict or Structured

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Made By: Waqar Siddhu

In context of function point analysis, EI stands for _____

Answer (Please select your correct option)

Export input

Expert input

External inline

External input

Correct answer solve by hadi
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In original _____ there was no provision of feedback concept and you can not go back to any previous stage.

Answer (Please select your correct option)

Waterfall model

Correct answer solve by hadi
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RAD

Spiral

Incremental

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The incremental model of software development is

Answer (Please select your correct option)

A reasonable approach when requirements are well defined.

A good approach when a working core product is required quickly.

The best approach to use for projects with large development teams and risky projects

A revolutionary model that is not used for commercial products

Correct answer solve by hadi
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Which statement is correct?

Answer (Please select your correct option)

The greater the dependency between the components the greater is coupling

Correct answer solve by hadi
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The lesser the dependency between the components the greater is coupling

The greater the dependency between the components the lesser is coupling

None of the given

Which of the following formula is used to calculate the exposure for each risk ?

Answer (Please select your correct option)

RE = Probability of the risk + Cost

RE = Probability of the risk x Cost

RE = Probability of the risk ^ Cost

None of the given choices

PAGE : 88

Correct answer solve by hadi
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In _____ a team is structured along a traditional hierarchy of authority.

Answer (Please select your correct option)

Random paradigm

Open paradigm

Closed paradigm

Synchronous paradigm

Correct answer solve by hadi
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Made By: Waqar Siddhu



In _____ a team is structured loosely and depends on individual initiative of the team members.

Answer (Please select your correct option)



Synchronous paradigm



Open paradigm



Random paradigm



Closed paradigm

Correct answer solve by hadi
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An _____ is a user identifiable group of logically related data or control information maintained within the boundary of the application.

Answer (Please select your correct option)

Internal logical file (ILF)

Correct answer solve by hadi
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0322-8043306

External Interface file (EIF)

External input

External Query

The first published model of software development process was:

Answer (Please select your correct option)

Waterfall Model



Correct answer solve by hadi
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Incremental Model



RAD Model



Spiral Model



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“Synchronize and Stabilize Model” has been adopted by:

Answer (Please select your correct option)

Microsoft

Correct answer solve by hadi
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IBM

Oracle Corporation

Sun Microsystems

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Project management is ____ intensive activity

Answer (Please select your correct option)

People

Correct answer solve by hadi
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Product

Process

Resource

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An _____ is the smallest unit of activity that is meaningful to the user(s) is called

Answer (Please select your correct option)

Function point

Elementary process

Adjustment factor

Data count

Correct answer solve by hadi
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Made By: Waqar Siddhu

Which of the following is one of the mechanisms to measure the size of the software?

Answer (Please select your correct option)

Number of Comments

Function points

Mean time to failure

Error index value

Correct answer solve by hadi
More detail: usmanraj20@gmail.com
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Software project management primarily deals with metrics related to:

Answer (Please select your correct option)

Development process

Defects

Availability

Productivity and quality

Correct answer solve by hadi
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Made By: Waqar Siddhu

In context of individual control charts, if a single metrics value lies outside UNPL, it means that process is:

Answer (Please select your correct option)

Within the control

Out of the control

Normalized

Not normalized

Correct answer solve by hadi
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Made By: Waqar Siddhu



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Project tracking

Project compartmentalization

Project scheduling

Project Estimation

Correct answer solve by hadi
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In context of degree of rigor, TSS stands for:

Answer (Please select your correct option)

Task set selector

Tasks set in schedule

Time set selector

Time set in schedule

Correct answer solve by hadi
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Made By: Waqar Siddhu



When more than one users interpret the same requirement in different ways then we can say that the requirement is:

Answer (Please select your correct option)

Unambiguous

Incomplete

Incorrect

Ambiguous

Correct answer solve by hadi
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Degree of uncertainty that the product will meet its requirements and be fit for its intended use is:

Answer (Please select your correct option)

Resource risk

Cost risk

Schedule risk

Performance risk

Correct answer solve by hadi
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Software project scheduling is an activity that distributes estimated effort across the planned project duration by allocating the ----- to specific software engineering tasks.

Answer (Please select your correct option)

Effort

Correct answer solve by hadi
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Budget

Space

Resources

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If a company is at CMM level 3 then it implicitly means that it is performing all the KPAs of

Answer (Please select your correct option)

Level 1

Level 2 and Level 3

Level 3 alone

Level 1 and level 3

The rapid application development model is

Answer (Please select your correct option)

Another name for component-based development.

A useful approach when a customer cannot define requirements clearly

A high speed adaptation of the linear sequential model.

All of the given

Correct answer solve by hadi
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0322-8043306

Made By: Waqar Siddhu

Which of the following formula is used to calculate the exposure for each risk ?

Answer (Please select your correct option)

RE = Probability of the risk + Cost

RE = Probability of the risk x Cost

RE = Probability of the risk ^ Cost

None of the given choices

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In _____ a team is structured loosely and depends on individual initiative of the team members.

Answer (Please select your correct option)

Synchronous paradigm

Open paradigm

Random paradigm

Closed paradigm

Correct answer solve by hadi
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Made By: Waqar Siddhu

If an experienced user has to take an extensive training of software before use and he/she still finds difficulty to use it, we can say there may be issues related to the

Answer (Please select your correct option)

Usability

Correct answer solve by hadi
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Portability

Correctness

Reliability

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Defect Removal Efficiency (DRE) can be measured by _____ where **E** is **Errors found delivery** and **D** is **error found after delivery** (typically within the first year of operation):

Answer (Please select your correct option)

DRE= $E/(E+D)$

Correct answer solve by hadi
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DRE= $E - (E+D)$

DRE= $E * (E+D)$

None of the given

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After building the Decision Tree, following formula is used to find the expected cost for an option is :

Answer (Please select your correct option)

Expected Cost= $\sum(\text{path probability})_i * (\text{estimated path cost})$

Correct answer solve by hadi
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Expected Cost= $\sum(\text{path probability})_i / (\text{estimated path cost})$

Expected Cost= $(\text{path probability})_i + (\text{estimated path cost})$

Expected Cost= $\sum(\text{path probability})_i - (\text{estimated path cost})$

In which stage of software development loop, we try to find the solution of the problem on technical grounds and base our actual implementation on it.

Answer (Please select your correct option)

Implementation

Testing

Technical Development

Technical Design

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Made By: Waqar Siddhu

The Software Engineering Institute (SEI) has developed a framework to measure the process maturity of software organizations. This framework is known as _____

Answer (Please select your correct option)

Software engineering framework

Software life cycle model

Capability maturity model

Process engineering framework

Correct answer solve by hadi
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Made By: Waqar Siddhu

Which of the following is not one of the characteristics to describe a KPA?

Answer (Please select your correct option)

Resources

Correct answer solve by hadi
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Goals

Activities

Commitments

Made By: Waqar Siddhu

According to Kraul and Steeter, "Email" is an example of _____ project coordination technique.

email are
electronic mail

Answer (Please select your correct option)

Formal, impersonal

Formal, interpersonal

Electronic communication

Interpersonal networking

Correct answer solve by hadi
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Which of the following is NOT one of the 5 steps defined by Reel to improve the chances of success?

Answer (Please select your correct option)

Start on the right foot

Maintain momentum

Make smart decisions

Optimize Product

Correct answer solve by hadi
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Made By: Waqar Siddhu

An _____ is the smallest unit of activity that is meaningful to the user(s) is called

Answer (Please select your correct option)

Function point

Elementary process

Adjustment factor

Data count

Correct answer solve by hadi
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Software project management primarily deals with metrics related to:

Answer (Please select your correct option)

Development process

Defects

Availability

Productivity and quality

Correct answer solve by hadi
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Made By: Waqar Siddhu

A system for which the physical or intellectual skills required to learn the system are low, is called highly ____ system

Answer (Please select your correct option)

Available

Usable

Maintainable

Flexible

Correct answer solve by hadi
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In context of function point analysis, EQ stands for:

Answer (Please select your correct option)

External Quotation

External Inquiry

External Quality

External Interface

page : 49 handouts

Correct answer solve by hadi
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Degree of uncertainty that the product will meet its requirements and be fit for its intended use is called _____

Answer (Please select your correct option)

Performance risk

Correct answer solve by hadi
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Cost risk

Support risk

Schedule risk

Made By: Waqar Siddhu

A schedule developed at early stages of project planning is called:

Answer (Please select your correct option)

Macroscopic

Correct answer solve by hadi
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Beta

Visionary

Concrete

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For a project, if value of TSS is 0.9, then the degree of rigor for this project will be:

Answer (Please select your correct option)

Strict

Structured

Casual

Strict or Structured

Correct answer solve by hadi
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Made By: Waqar Siddhu

In context of function point analysis, EI stands for _____

Answer (Please select your correct option)

Export input

Expert input

External inline

External input

Correct answer solve by hadi
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Made By: Waqar Siddhu

Evolutionary software process models

Choices:

do not generally produce throw away systems



All of the given



can easily accommodate product requirements changes



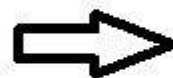
are iterative in nature



_____ is a team organization where there is no permanent leader and task coordinators are appointed for short duration. Decisions on problems and approach are made by group consensus and communication among team is horizontal.

Choices:

Democratic decentralized (DD)



Controlled decentralized (CD)

Synchronous paradigm (SP)

Controlled centralized (CC)

The extent to which a program satisfies its specification and fulfills the customer's mission objectives is said to be achieving the:

Choices:

Usability

Efficiency

Reliability

Correctness



If an experienced user has to take an extensive training of software before use and he/she still finds difficulty to use it, we can say there may be issues related to the

Choices:

 Usability Portability Correctness Reliability

MTTC is the abbreviation of :

Choices:

Measured time to change

Mean time to collaborate

Mean time to change

Measure time to cope

Spiral Model was first proposed by:

Choices:

McCabe

Barry Boehm



Robert Cazeman

William Smith

Barry Boehm has suggested a systematic approach (comprising of 7 questions) to project management. It is known as:

Choices:

 W5HH WHH5 WHH7 W7HH

An _____ is the smallest unit of activity that is meaningful to the user(s) is called

Choices:

Function point

Elementary process

Adjustment factor

Data count



Software project management primarily deals with metrics related to:

Choices:

Development process

Defects

Availability


Productivity and quality



In order to use the data for estimation and drawing conclusions, it must be ____

Choices:

Filtered

Base-lined 

Stabilized

Processed

In context of individual control charts, if a single metrics value lies outside UNPL, it means that process is:

Choices:

Within the control

Out of the control



Normalized

Not normalized

In context of function point analysis, EQ stands for:

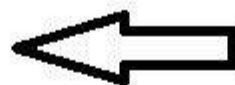
Choices:

External Quotation

External Inquiry

External Quality

External Interface



The purpose of the feasibility analysis is to determine

Choices:

Can we use the available state-of-the-art?

Can we implement the given standards?

Can we meet the design constraints?

Can we build software to meet the scope?



When more than one users interpret the same requirement in different ways then we can say that the requirement is:

Choices:

 Unambiguous Incomplete Incorrect Ambiguous

Which of the following questions is not addressed when the W5HH principle is applied ?

Choices:

What will be done by whom ?



Why is the system being developed ?

Where are they organizationally located ?

How much of each resource is required ?

Which of the following are advantages of using LOC (lines of code) as a size oriented metric?

Choices:

LOC is easily computed.

LOC is a language dependent measure.

LOC is a language independent measure.

LOC can be computed before a design is completed.



Determination of theis a pre-requisite of all sorts of estimates, including, resources, time, and budget.

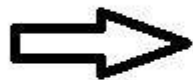
Choices:

software Quality

software Risk

software scope

software Management




The most famous of empirical models is the COCOMO (COConstructive COSt MOdel). It also has many different versions. Which one is the simplest of these versions ?

Choices:

$E = A + B * (ev)^C$

$E = [LOC * B^{0.333}/P]^3 * (1/t^4)$

$E = A + B - (ev)^C$

$E = 3.2 (KLOC)^{1.05}$ 

A good metric system is the one which is _____

Choices:

Simple

Cheap

Adds a lot of value for the management

All of the given options



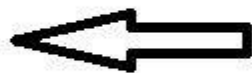
_____ is the ability to encourage technical people to produce to their best.

Choices:

Planning

Contingency

Motivation



Organization

Project management is ____ intensive activity.

Choices: People Product Process Resource

In order to plan and run a project successfully, a project manager needs NOT to worry about the following issue.

Choices:

Product quality

Cost estimation

Company's name



Risk assessment

The problem that threatens the success of a project but which has not yet happened is a

Choices:

bug



error



fail



risk



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$E = A + B * (ev)^C$

$E = [LOC * B^{0.333}/P]^3 * (1/t^4)$

$E = A + B - (ev)^C$

$E = 3.2 (KLOC)^{1.05}$



FP-based estimation techniques require problem decomposition based on

Choices:

information domain values

project schedule

software functions

process activities

Risk Analysis and management involves addressing the following concerns **except**:

Choices:

What change might cause the risk to strike ?

What thing may go wrong in future ?

What can happen if the web interface of the company's website will change ?

What is the nature of software domain ?

Which of the following is not a valid reason for measuring software processes, products, and resources?

Choices:

To characterize them

To evaluate them

To price them

To improve them

_____ is one of the reasons of the project failure.

Choices: Miscommunication Realistic deadline Complete requirement Feasible cost

In context of function point analysis, EI stands for _____

Choices:

Export input

Expert input

External inline

External input



In proactive risk management strategy, the main objective is to

Choices:

Avoid risk

Let the risk occur and then take corrective action

Categorize the risk

Normalize the risk

In context of individual control charts, if a single metrics value lies outside UNPL, it means that process is:

Choices:

Within the control



Out of the control



Normalized



Not normalized



A system for which the physical or intellectual skills required to learn the system are low, is called highly ____ system

Choices:

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Usable

Maintainable

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Number of Comments

Function points

Mean time to failure

Error index value

Barry Boehm has suggested a systematic approach (comprising of 7 questions) to project management. It is known as:

Choices: W5HH WHH5 WHH7 W7HH

Software feasibility is based on which of the following :

Choices:

Technology, finance, time, resources.

Technical prowess of the developers.

Business and marketing concerns.

Scope, constraints, market.

In measuring Software Process Quality by using control charts, if the gap between the defects reported and defects fixed is increasing, then it means:

Choices:

The product is in unstable condition.

The product is in stable condition.

The product is ready for shipment.

None of the given.

Integrity can be measured by the following formula

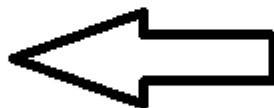
Choices:

Integrity = $(1 - \text{threat}) \times (1 - \text{security})$

Integrity = $\sum (1 + \text{threat}) + (1 - \text{security})$

Integrity = $\sum [(1 - \text{threat}) \times (1 - \text{security})]$

Integrity = $\sum (1 - \text{threat}) - (1 - \text{security})$



If an experienced user has to take an extensive training of software before use and he/she still finds difficulty to use it, we can say there may be issues related to the

Choices: Usability Portability Correctness Reliability

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Reliability



Correctness



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Choices: Usability Efficiency Reliability Correctness

If an experienced user has to take an extensive training of software before use and he/she still finds difficulty to use it, we can say there may be issues related to the

Choices:

 Usability Portability Correctness Reliability

MTTC is the abbreviation of :

Choices:

Measured time to change

Mean time to collaborate

Mean time to change

Measure time to cope

Spiral Model was first proposed by:

Choices:

McCabe

Barry Boehm

Robert Cazeman

William Smith

Barry Boehm has suggested a systematic approach (comprising of 7 questions) to project management. It is known as:

Choices:

 W5HH WHH5 WHH7 W7HH

An _____ is the smallest unit of activity that is meaningful to the user(s) is called

Choices:

Function point

Elementary process

Adjustment factor

Data count

Software project management primarily deals with metrics related to:

Choices:

Development process

Defects

Availability

Productivity and quality

In order to use the data for estimation and drawing conclusions, it must be ____

Choices: Filtered Base-lined Stabilized Processed

In context of individual control charts, if a single metrics value lies outside UNPL, it means that process is:

Choices:

Within the control

Out of the control

Normalized

Not normalized

In context of function point analysis, EQ stands for:

Choices:

External Quotation

External Inquiry

External Quality

External Interface

The purpose of the feasibility analysis is to determine

Choices:

Can we use the available state-of-the-art?

Can we implement the given standards?

Can we meet the design constraints?

Can we build software to meet the scope?

When more than one users interpret the same requirement in different ways then we can say that the requirement is:

Choices:

 Unambiguous Incomplete Incorrect Ambiguous

Which of the following questions is not addressed when the W5HH principle is applied ?

Choices:

What will be done by whom ?

Why is the system being developed ?

Where are they organizationally located ?

How much of each resource is required ?

Which of the following are advantages of using LOC (lines of code) as a size oriented metric?

Choices:

LOC is easily computed.

LOC is a language dependent measure.

LOC is a language independent measure.

LOC can be computed before a design is completed.



Determination of theis a pre-requisite of all sorts of estimates, including, resources, time, and budget.

Choices:

software Quality

software Risk

software scope

software Management

The most famous of empirical models is the COCOMO (COConstructive COSt MOdel). It also has many different versions. Which one is the simplest of these versions ?

Choices:

$E = A + B * (ev)^C$

$E = [LOC * B^{0.333}/P]^3 * (1/t^4)$

$E = A + B - (ev)^C$

$E = 3.2 (KLOC)^{1.05}$

A good metric system is the one which is _____

Choices:

Simple

Cheap

Adds a lot of value for the management

All of the given options

_____ is the ability to encourage technical people to produce to their best.

Choices:

Planning

Contingency

Motivation

Organization