



CS605- Software Engineering II
Solved MCQS
From Midterm Papers

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PSMD01

MIDTERM EXAMINATION
Spring 2010
CS605- Software Engineering II

Question No: 1 (Marks: 1) - Please choose one

A law affirming that to continue after a certain level of performance has been reached will result in a decline in effectiveness. This law is known as _____.

- ▶ **Law of Diminishing returns** [click here for detail](#)
- ▶ Law of effectiveness
- ▶ Law of Saturation
- ▶ Law of Marketing returns

Question No: 2 (Marks: 1) - Please choose one

In _____ a team is structured along a traditional hierarchy of authority

- ▶ **closed paradigm** (Page 32)
- ▶ synchronous paradigm
- ▶ random paradigm
- ▶ open paradigm

Question No: 3 (Marks: 1) - Please choose one

MMTC is the abbreviation of

- ▶ measured time to change
- ▶ mean time to collaborate
- ▶ **mean time to change** (Page 68)
- ▶ measure time to cope

Question No: 4 (Marks: 1) - Please choose one

The rapid application development model is

- ▶ 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.** (Page 19)
- ▶ All of the given

خدا کے سوا کسی سے امید مت رکھو

Question No: 5 (Marks: 1) - Please choose one

While managing the historical data, we should consider the following **except**

- ▶ **Data should be collected only from scientific projects and applications** (Page 72)
- ▶ Data should be collected from many projects
- ▶ Data should be consistent
- ▶ Correct data should be taken

Question No: 6 (Marks: 1) - Please choose one

Quality costs may be divided into costs associated with

- ▶ **prevention, appraisal, and failure** [click here for detail](#)
- ▶ people, process, and product
- ▶ customers, developers, and maintenance
- ▶ all of the given

Question No: 7 (Marks: 1) - Please choose one

When a software is delivered to a client and then client reports the bug in it then that bug is termed as

- ▶ Error
- ▶ **Defect** [click here for detail](#)
- ▶ Mistake
- ▶ Fault

Question No: 8 (Marks: 1) - Please choose one

The _____ model is used to overcome issues related to understanding and capturing of user requirements.

Rapid Prototyping (Page 17)

- Water fall
- Build and Fix
- None of the above

Question No: 9 (Marks: 1) - Please choose one

The software plan is not a static document, it is frequently adjusted to make the project appear on track to meet all deadlines and quality targets.

- ▶ **True** [Click here for detail](#)
- ▶ False

دنیا میں سب سے مشکل کام اپنی اصلاح اور سب سے آسان کام دوسروں پر نکتہ چینی کرنا ہے

Question No: 10 (Marks: 1) - Please choose one

Timeline chart is also known as the _____ chart

- ▶ **Gantt** (Page 100)
- ▶ PERT
- ▶ FREE LANCE
- ▶ None of the given

Question No: 11 (Marks: 1) - Please choose one

The processes at ----- is focus on continually improving process performance through both incremental and innovative technological changes/improvements.

- ▶ **Level 5** [Click here for detail](#)
- ▶ Level 1
- ▶ Level 4
- ▶ Level 3

Question No: 12 (Marks: 1) - Please choose one

In order to measure the design quality, if the frequency of ripple defects is too large, then it means that there is tight coupling and hence the

- ▶ design is maintainable
- ▶ **design is not maintainable** (Page 79)
- ▶ design has completed
- ▶ none of the given

Question No: 13 (Marks: 1) - Please choose one

The only reason for an estimate to be unreliable is lack of experience related to the application on the part of the estimator.

- ▶ true
- ▶ **false** [click here for detail](#)

Question No: 14 (Marks: 1) - Please choose one

Usually the performance of the organization change over-night.

- ▶ True
- ▶ **False** [Click here for detail](#)

برى صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No: 15 (Marks: 1) - Please choose one

The formal methods model of software development makes use of mathematical methods to

- ▶ define the specification for computer-based systems
- ▶ **all of the given** [click here for detail](#)
- ▶ develop defect free computer-based systems
- ▶ verify the correctness of computer-based systems

Question No: 16 (Marks: 1) - Please choose one

Which one of the following describes the data and control to be processed, function, performance, constraints, interfaces, and reliability?

- ▶ Product Quality
- ▶ **Software scope estimation (Page 80)**
- ▶ Resources requirements
- ▶ Time requirements

Question No: 17 (Marks: 1) - Please choose one

The projects are classified into following categories except

- ▶ New application development
- ▶ Reengineering projects
- ▶ Concept development projects
- ▶ **Marketing Development Projects (Page 96)**

Question No: 18 (Marks: 1) - Please choose one

Quantitative process-improvement objectives for the organization are established, continually revised to reflect changing business objectives at _____.

- ▶ Level 3
- ▶ Level 2
- ▶ **Level 5** [Click here for detail](#)
- ▶ Level 1

Question No: 19 (Marks: 1) - Please choose one

Reliability of a software is a

- ▶ functional requirement
- ▶ **non-functional requirement** [Click here for detail](#)
- ▶ Design Requirement
- ▶ None of the given

اللہ کا خوف سب سے بڑی دانائی ہے

Question No: 20 (Marks: 1) - Please choose one

Build and Fix model is a _____ type of software development activity.

- ▶ Mathematical
- ▶ Perfect
- ▶ **Haphazard** [Click here for detail](#)
- ▶ Planned

MIDTERM EXAMINATION
Spring 2009
CS605- Software Engineering II (Session - 1)

Question No: 1 (Marks: 1) - Please choose one

_____ is not the part of software development loop.

- Status Quo
- Problem definition
- Technical development
- Task set (Page 10)**

Question No: 2 (Marks: 1) - Please choose one

The level 1 of CMM is known as

- Managed
- Defined
- Initial (Page 12)**
- Repeatable

Question No: 3 (Marks: 1) - Please choose one

Build and Fix model is a _____ type of software development activity.

- Mathematical
- Perfect
- Haphazard** [Click here for detail](#) rep
- Planned

ایماندار کو غصہ دیر سے آتا ہے اور جلدی دور ہو جاتا ہے

Question No: 4 (Marks: 1) - Please choose one

According to DeMarco a good Project Manger

should be very nervous

should be very strict in official matters

should not ignore any mistake from his team members.

should have a big heart and should ignore small mistakes (Page 31)

Question No: 5 (Marks: 1) - Please choose one

The best project team organizational model to use when tackling extremely difficult problems is the

chief programmer team model

democratic decentralized model (Page 32)

controlled decentralized model

controlled centralized model

Question No: 6 (Marks: 1) - Please choose one

Which factor is the least important when choosing the organizational structure for a software team?

degree of communication desired

predicted size of the resulting program

rigidity of the delivery date

size of the project budget (Page 32)

Question No: 7 (Marks: 1) - Please choose one

Product and process decomposition occurs simultaneously as the project plan evolves

True [click here for detail](#)

False

Question No: 8 (Marks: 1) - Please choose one

Measuring the quality and performance of a software through any mean is much better than just making a guess about it.

True

false

Question No: 9 (Marks: 1) - Please choose one

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

Usability

Efficiency

Reliability

Correctness [click here for detail](#)

Question No: 10 (Marks: 1) - Please choose one
Integrity means that the software should

help the users to enjoy usability
none of the given

Withstand the attack from a hacker (Page 69)

help the hacker to hack the system

Question No: 11 (Marks: 1) - Please choose one
Ambiguous requirements can be measured quantitatively

False

True (Page 71)

Question No: 12 (Marks: 1) - Please choose one

Which is used to determine the most viable option for cost estimation when the information in the “Decision tree” is complete.

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

Expected cost = (path probability)_i x (estimated path cost) (Page 83)

Expected cost = (path probability)_i x (estimated path cost)

Question No: 13 (Marks: 1) - Please choose one

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

Expected Cost= (path probability)_i * (estimated path cost) (Page 83)

Expected Cost= (path probability)_i / (estimated path cost)

Expected Cost= (path probability)_i + (estimated path cost)

Expected Cost= (path probability)_i - (estimated path cost)

Question No: 14 (Marks: 1) - Please choose one

Degree of uncertainty that the product will meet its requirements and be fit for its intended use is the

Cost risks

Schedule risks

Performance risks (Page 87)

None of the given choices

Question No: 15 (Marks: 1) - Please choose one

The Spiral model of software development is of Iterative nature

True [Click here for detail](#)

false

Question No: 16 (Marks: 1) - Please choose one
_____ is data that influences an elementary process of the application being counted.

Elementary Process

External Query

External Output

Control Information (Page 43)

Question No: 17 (Marks: 1) - Please choose one
Empirical models are statistical models and are based upon historic data

True (Page 81)

False

Question No: 18 (Marks: 1) - Please choose one
An entity which defines many-to-many relationship between two or more entities is called

Associative Entity Type (Page 47)

Attributive Entity Type

Entity Subtype

None of these

Question No: 19 (Marks: 1) - Please choose one
Software risk impact assessment should focus on consequences affecting

performance, support, cost, schedule [click here for detail](#)

planning, resources, cost, schedule

marketability, cost, personnel

business, technology, process

Question No: 20 (Marks: 1) - Please choose one
Every task or group of tasks should be associated with a project -----.

Schedule

Member

Manager

Milestone (Page 93)

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MIDTERM EXAMINATION
Spring 2008
CS605- Software EngineeringII (Session - 1)

Question No: 1 (Marks: 1) - Please choose one
Every task should be assigned to a specific team -----.

- ▶ **Member (Page 93)**
- ▶ Manager
- ▶ Organizer
- ▶ None of the given

Question No: 2 (Marks: 1) - Please choose one

Which one is not the Software project planning activity carried out by the project manager for estimation?

- ▶ Software scope estimation
- ▶ Resources requirements
- ▶ Time requirements
- ▶ **Product Quality (Page 80)**

Question No: 3 (Marks: 1) - Please choose one

The higher the Error Index, the higher will be the Defect Removal Efficiency

- ▶ True
- ▶ **False**

Question No: 4 (Marks: 1) - Please choose one

While performing risk analysis, the impact of risk **can not** be measured quantitatively

- ▶ True
- ▶ **False** [Click here for detail](#)

Question No: 5 (Marks: 1) - Please choose one

Degree of uncertainty that the product will meet its requirements and be fit for its intended use is the

- ▶ Cost risks
- ▶ Schedule risks
- ▶ **Performance risks (Page 87)**
- ▶ None of the given choices

دنیا کی سب سے بڑی فتح نفس پر قابو رکھنا ہے

Question No: 6 (Marks: 1) - Please choose one

Proactive risk management philosophy is also some times termed as Indiana Jones school of risk management

- ▶ true
- ▶ **false (Page 84)**

Question No: 7 (Marks: 1) - Please choose one

The number of people required for a software project is determined

- ▶ **after an estimate of the development effort is made.** [Click here for detail](#)
- ▶ from an assessment of the technical complexity of the system.
- ▶ by the size of the project
- ▶ all of the given

Question No: 8 (Marks: 1) - Please choose one

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)

- ▶ **DRE= E/(E+D) (Page 69)**
- ▶ DRE= E - (E+D)
- ▶ DRE= E * (E+D)
- ▶ None of the given

Question No: 9 (Marks: 1) - Please choose one

Integrity means that the software should

- ▶ help the users to enjoy usability
- ▶ none of the given
- ▶ **withstand the attack from a hacker (Page 69) rep**
- ▶ help the hacker to hack the system

Question No: 10 (Marks: 1) - Please choose one

In function point analysis technique EO stands for

- ▶ Export operation
- ▶ Export output
- ▶ **External output (Page 49)**
- ▶ None of these

Question No: 11 (Marks: 1) - Please choose one

Which of these software characteristics are used to determine the scope of a software project?

- ▶ context, lines of code, function
- ▶ context, function, communication requirements
- ▶ **information objectives, function, performance (Page 34)**
- ▶ communications requirements, performance, information objectives

Question No: 12 (Marks: 1) - Please choose one

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

- ▶ **Random paradigm (Page 32)**
- ▶ closed paradigm
- ▶ synchronous paradigm
- ▶ open paradigm

Question No: 13 (Marks: 1) - Please choose one

In _____ a team is structured along a traditional hierarchy of authority

- ▶ **closed paradigm (Page 32)**
- ▶ synchronous paradigm
- ▶ random paradigm
- ▶ open paradigm

Question No: 14 (Marks: 1) - Please choose one

_____ is the first stage of waterfall lifecycle model

- ▶ **Requirement definition (Page 15)**
- ▶ Operation
- ▶ Unit testing
- ▶ Implementation

Question No: 15 (Marks: 1) - Please choose one

_____ is not the part of software development loop.

- ▶ Status Quo
- ▶ Problem definition
- ▶ Technical development
- ▶ **Task set (Page 10) rep**

Question No: 16 (Marks: 1) - Please choose one

_____ is not the management part of software development activities.

- ▶ Coding p7
- ▶ Configuration Management
- ▶ Quality Assurance
- ▶ **Project planning (Page 7) not sure**

جھوٹ انسان اور ایمان دونوں کا دشمن ہے

CS605- Software Engineering II (Session - 1)
Solved Quizzes (Quiz No. 1 & 2)

CS605 – 1st quizzes (4-may-2013)

Question No: 1 of 10 (Marks: 1) - Please choose one

Software process and product quality are controlled at _____.

level 1

initial level

level-4 (Page 12)

level-3

Question No: 2 of 10 (Marks: 1) - Please choose one

QA is an activity performed _____ of the software development.

at the initial stage

at the final stage

throughout (Page 25)

at the middle

Question No: 3 of 10 (Marks: 1) - Please choose one

_____ **the ability to encourage people to create and feel creative.**

Organization

Motivation

Innovation (Page 30)

Managerial Identity

Question No: 4 of 10 (Marks: 1) - Please choose one

Caper Jones divided software related activities into _____ different categories.

35

40

20

25 (Page 7)

Question No: 5 of 10 (Marks: 1) - Please choose one

By default every organization is working at _____

level 1 (Page 12)

level 0

level 3

level 4

Question No: 6 of 10 (Marks: 1) - Please choose one

Software Engineering is the set of _____ and _____ to develop software.

languages , processes

classes ,objects

processes, tools (Page 4)

tools, objects

Question No: 7 of 10 (Marks: 1) - Please choose one

Software has very close relationship with _____

Biology

Physics

chemistry

Economics (Page 5)

Question No: 8 of 10 (Marks: 1) - Please choose one

COCOMO is the classic LOC cost-estimation formula and used thousand delivered source instructions (KDSI) as his _____ of size.

LOC

milestone

unit [Click here for detail](#)

none of given

Question No: 1 of 10 (Marks: 1) - Please choose one

_____ deadline is one of the reasons of project failure.

achievable

feasible

unrealistic (Page 29)

realistic

Question No: 9 of 10 (Marks: 1) - Please choose one

_____ model is very sensitive to the risk.

Spiral (Page 21)

waterfall

incremental

RAD

عقل مند کہتا ہے میں کچھ نہیں جانتا جبکہ بے وقوف کہتا ہے کہ میں سب کچھ جانتا ہوں

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Question No: 10 of 10 (Marks: 1) - Please choose one

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

improvement

motivation (Page 30)

innovation

creation

Question No: 1 of 10 (Marks: 1) - Please choose one

Caper Jones is famous researcher in the field of _____ who made a company named Software Productivity Research

Biology

Chemistry

Mathematics

Software Engineering (Page 7)

Question No: 2 of 10 (Marks: 1) - Please choose one

Reel has defined _____ steps process to improve the chances of success.

3

4

5 (Page 35)

8

Question No: 3 of 10 (Marks: 1) - Please choose one

In _____ model user feedback is received very quickly because product is delivered in small versions.

waterfall

spiral

incremental (Page 18)

object oriented

Question No:4 of 10 (Marks: 1) - Please choose one

_____ approach is better for the team spirits point of view.

Controlled Decentralized

Informal, interpersonal procedures

Controlled Centralized

Democratic Decentralized (Page 32)

جو لوگوں کے سامنے فخر کرتا ہے وہ لوگوں کی نظروں سے گر جاتا ہے

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Question No: 5 of 10 (Marks: 1) - Please choose one

Construction activities are directly related to the _____ of the software.

Installation

risk analysis

development (Page 8)

debugging

Question No: 6 of 10 (Marks: 1) - Please choose one

Continuous process improvement is enabled by _____ feedback from the _____

analytical , user

mathematical, user

logical, process

qualitative , process (Page 12)

Question No: 7 of 10 (Marks: 1) - Please choose one

The major activities related to software construction are

requirement gathering, design development, coding and testing (Page 8)

installation and training

quality assurance, configuration and planning

implementation and management

Question No: 8 of 10 (Marks: 1) - Please choose one

If requirements are uncertain, _____ will be a suitable.

Incremental

RAD

Waterfall (Page 34)

Prototype

Question No: 9 of 10 (Marks: 1) - Please choose one

Capability maturity model (CMM) is used to judge the _____ model of an organization.

Efficiency

Performance

Productivity

Maturity (Page 12)

عقل مند اپنے عیب خود دیکھتا ہے اور بھولے تو فوں کے عیب دنیا دیکھتی ہے

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Question No: 10 of 10 (Marks: 1) - Please choose one

After passing through all the stages of the software development when we deploy the new system at the user side that stage is called _____

- Integration
- Development
- Installation

Status quo (Page 11)

Question No: 1 of 10 (Marks: 1) - Please choose one

Defects per function points are a ____ metric.

One (Page 65)

- Two
- Three
- Four

Question No: 2 of 10 (Marks: 1) - Please choose one

_____ is the measure of how many defects are removed by the quality assurance processes before the product is shipped for operation

Defect removal efficiency (Page 69)

- defect density
- None of These

Question No: 3 of 10 (Marks: 1) - Please choose one

For software the total numbers of requirements are equal to _____.

- Functional requirements
- non-functional requirements

Functional requirements and non-functional requirements (Page 71)

None of these

Question No: 1 of 10 (Marks: 1) - Please choose one

In Capability Maturity Model (CMM), _____ performs optimization.

- level1
- level 2
- level3
- level5

(Page 12)

بد صورت چہرہ بد صورت دماغ سے بہتر ہے

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Question No: 2 of 10 (Marks: 1) - Please choose one

If a software developer is going to develop software for a nuclear reactor which factor(s) will be more important?

- cost effective
- performance
- reliability

both b and c (Page 6)

Question No: 3 of 10 (Marks: 1) - Please choose one

Capability Maturity Model (CMM) has _____ levels.

- 4
- 5 (Page 12)**
- 3
- 2

Question No: 4 of 10 (Marks: 1) - Please choose one

Fred Brook is a famous software engineer who wrote a great book related to software engineering named _____.

A Mythical Man Month (Page 7)

- A Mathematical Man
- Software Methodologies
- None of the above

Question No: 5 of 10 (Marks: 1) - Please choose one

W5HH Principle consists of seven _____.

Answers

Questions (Page 35)

- points
- steps

Question No: 6 of 10 (Marks: 1) - Please choose one

In Rational Unified Process (RUP) horizontal dimension represents the _____ aspect of the process.

Dynamic (Page 24)

- Static
- Both

عقل مند آدمی اس وقت تک نہیں بولتا جب تک خاموشی نہیں ہو جاتی

Question No: 7 of 10 (Marks: 1) - Please choose one

There are two very different approaches to cost estimation. The older approach is called LOC estimation, since it is on initially estimating the number of lines of code that will need to be developed for the project.

Based [Click here for detail](#)

Good

None of given

Bad

Question No: 8 of 10 (Marks: 1) - Please choose one

Task coordinators are appointed for short period of time in _____ organization team structure.

Select correct option:

controlled centralized

democratic decentralized (Page 32)

controlled decentralized

formal impersonal approach

Question No: 9 of 10 (Marks: 1) - Please choose one

_____ model is opposite to waterfall model.

Spiral

Prototype [Click here for detail](#)

Synchronize and Stabilize

Incremental

Question No: 10 of 10 (Marks: 1) - Please choose one

MOI model of leadership was developed by _____

Weinberg (Page 30)

Newton

Don Carlos

Question No: 1 of 10 (Marks: 1) - Please choose one

Each process define certian deliverables known as the _____ .

work products (Page 12)

softwares

final products

items

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جو شخص ناکامیوں سے ڈر کر بھاگتا ہے کامیابی اُس سے ڈر کر بھاگتی ہے

Question No: 2 of 10 (Marks: 1) - Please choose one

_____ procedures include QA activities, design and code review, and status meetings.

Formal, interpersonal (Page 33)

Informal, interpersonal

Controlled centralized

Formal, impersonal

Question No: 3 of 10 (Marks: 1) - Please choose one

According to DeMarco a good team leader should have only _____ characteristics.

Four (Page 31)

five

three

seven

Question No: 4 of 10 (Marks: 1) - Please choose one

Synchronize and Stabilize model is adopted by _____.

Apple Macintosh

Microsoft (Page 19)

Sun Java System

Netsol Technologies

Question No: 5 of 10 (Marks: 1) - Please choose one

Extreme programming model is very effective when requirement are very _____ and the project scope is very _____.

Changing, limited (Page 23)

Changing, unlimited

None of these

انسان دکھ نہیں دیتے بلکہ انسانوں سے وابستہ امیدیں دکھ دیتی ہیں

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Quiz No.1

Question No: 1 of 10 (Marks: 1) - Please choose one

Miscommunication among project staff is one of the reasons of the failure of the software project

True (Page 28)

False

Question No: 2 of 10 (Marks: 1) - Please choose one

_____model is a haphazard type of software development activity.

Water fall

Incremental

Prototyping

Build and Fix

[Click here for detail](#)

Question No: 3 of 10 (Marks: 1) - Please choose one

Water fall model is a document driven model.

True (Page 16)

False

Question No: 4 of 10 (Marks: 1) - Please choose one

_____paradigm, structures a team loosely and depends on individual initiative of the team members

Closed

Random (Page 32)

Open

Synchronous

Question No: 5 of 10 (Marks: 1) - Please choose one

Spiral model has _____ dimensions.

2 (Page 20)

3

4

None of the above

بہترین تجربہ وہ ہے جس سے نصیحت حاصل ہو

Question No: 6 of 10 (Marks: 1) - Please choose one

The _____ model of software development is a good approach when core product is required quickly.

Incremental

[click here for detail](#)

Linear Sequential

Prototyping

None of the above

Question No: 7 of 10 (Marks: 1) - Please choose one

In _____ team organization, there is no permanent leader rather there are task coordinators.

Controlled Decentralized

Democratic Decentralized (Page 32)

Controlled Centralized

Synchronous paradigm

Question No: 8 of 10 (Marks: 1) - Please choose one

_____ is an Object Oriented model.

Spiral

Water fall

Incremental

Fountain

(Page 23)

Question No: 9 of 10 (Marks: 1) - Please choose one

_____ model is developed keeping in mind the element of risk in the development of software

Spiral (Page 20)

RAD

Incremental

Synchronize and Stabilize

Question No: 10 of 10 (Marks: 1) - Please choose one

Vision phase in a software process focuses on _____.

What

Why (Page 14)

How

Change

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خوبصورتی علم و ادب سے ہوتی ہے لباس و حسن سے نہیں

Question No: 1 of 10 (Marks: 1) - Please choose one

Rapid application development is another form of _____.

Incremental model (Page 19)

- Prototyping model
- Linear Sequential model
- None of the above

Question No: 2 of 10 (Marks: 1) - Please choose one

_____ phase in a software process focuses on change.

Vision

Maintenance (Page 14)

- Definition
- Development

Question No: 3 of 10 (Marks: 1) - Please choose one

_____ model is adopted by Microsoft

- RAD
- Build and Fix
- Spiral

Synchronize and Stabilize (Page 19)

Question No: 4 of 10 (Marks: 1) - Please choose one

_____ teams generate more and better solutions than individuals and are most useful for complex problems

Decentralized (Page 32)

Centralized

Question No: 5 of 10 (Marks: 1) - Please choose one

The _____ model of software development is a good approach when core product is required quickly.

Incremental [click here for detail](#)

- Linear Sequential
- Prototyping
- None of the above

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تم اچھا کرو زمانہ تم کو برا سمجھے یہ اس سے بہتر ہے کہ تم برا کرو اور زمانہ تم کو اچھا سمجھے

Question No: 6 of 10 (Marks: 1) - Please choose one

The _____ model of software development is a useful approach when a customer cannot define requirements clearly.

Prototyping [click here for detail](#)

Water fall

RAD

Build and Fix

Question No: 7 of 10 (Marks: 1) - Please choose one

_____ model has a major drawback in that the delivered product may not fulfill the customer's requirements.

Water fall (Page 17)

Build and Fix

Prototyping

Integrated water fall and prototyping

Question No: 8 of 10 (Marks: 1) - Please choose one

MOI model of leadership stands for

Motivation , Operationalize ,Integration

Misunderstanding , Object, Ideas

Motivation , Organization , Innovation (Page 30)

Miscommunication , Organization, Invention

Question No: 9 of 10 (Marks: 1) - Please choose one

_____ activity is performed throughout software production

Select correct option:

Maintenance

Development

Analysis

Quality Assurance (Page 25)

Question No: 10 of 10 (Marks: 1) - Please choose one

In _____ model the product is developed without any proper design and specifications.

Water fall

Build and Fix (Page 15)

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Prototyping
None of the above

Question No: 1 of 10 (Marks: 1) - Please choose one
software project management focuses on the four P's: These are

People , Product , Process , Problem
People , Product , Process , Project (Page 29)
People , Passion , Process , Project
People , Passion , Planning , Project

Question No: 2 of 10 (Marks: 1) - Please choose one
The _____ dimension in rational unified process model represents the dynamic aspect of the process.

Horizontal (Page 24)
Angular
Vertical
Regular

Question No: 3 of 10 (Marks: 1) - Please choose one
_____ dimension of Spiral model represents the cumulative cost to date

Radial (Page 20)
Angular
Horizontal
circular

Question No: 4 of 10 (Marks: 1) - Please choose one
The important feature of extreme programming is the concept of _____.

Feedback
Risk assessment
Pair programming (Page 23)
Requirement elicitation

Question No: 5 of 10 (Marks: 1) - Please choose one
In software development _____ is performed at the end of each phase.

Verification (Page 26)
Validation

Question No: 6 of 10 (Marks: 1) - Please choose one

Unrealistic deadline is NOT one of the reasons of project failure.

True

False (Page 29)

Question No: 7 of 10 (Marks: 1) - Please choose one

Software _____ relates individual software measures to provide a normalized view.

Measure

Metric (Page 65)

Plan

Attribute

Question No: 8 of 10 (Marks: 1) - Please choose one

We need to employ some statistical techniques and plot the results ----- . These are known as statistical control techniques.

Graphically (Page 74)

Automatically

Manually

Personally

Question No: 9 of 10 (Marks: 1) - Please choose one

Quality can be measured if we measure the _____ of the product.

correctness

maintainability

integrity and usability

All of the given options (Page 68)

Question No: 10 of 10 (Marks: 1) - Please choose one

_____ help in finding the matrix to be stable or unstable

Control chart (Page 75)

Directed Graph

Cyclic chart

Base line graph

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Quiz No.2

Question No: 1 of 10 (Marks: 1) - Please choose one

Several entities are always created ----- and deleted together then this is a strong indication that they should be grouped into ----- logical file/files.

Together, Single (Page 48)

- All of the given
- Together, Double
- Together, Multiple

Question No: 2 of 10 (Marks: 1) - Please choose one

-----give you a better insight into the state of the process or product.

Metrics (Page 66)

- Efficiency
- Reliability
- Usability

Question No: 3 of 10 (Marks: 1) - Please choose one

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

software scope (Page 80)

- software Risk
- software Quality
- software Management

Question No: 4 of 10 (Marks: 1) - Please choose one

When more than one user interpret the same requirement in different ways then we can say that the requirements are

- None of the given
- Incomplete

Ambiguous [Click here for detail](#)

- Incorrect

خاموشی غصے کا بہترین علاج ہے

Question No: 5 of 10 (Marks: 1) - Please choose one

The extent to which a program satisfies its specifications and fulfills the customer's mission objectives is

Integrity

Reliability

Correctness (Page 67)

None of given

Question No: 6 of 10 (Marks: 1) - Please choose one

In case some software, it is extremely easy to operate with intuitive interface conforming to most excellent GUI practices of the industry. It needs very little training -----

Less than one hour [click here for detail](#)

Less than two hour

Less than five hour

Less than ten hour

Question No: 7 of 10 (Marks: 1) - Please choose one

Metrics to assess the quality of the analysis models and the corresponding software specification were proposed _____

in 1993- 1999.

Ricardo in 1993

Davis in 1990

Davis in 1993 (Page 71)

Question No: 8 of 10 (Marks: 1) - Please choose one

This chart is then used to develop the individual control chart is called statistical control techniques.

Yes (Page 77)

No

Question No: 9 of 10 (Marks: 1) - Please choose one

Which statement is correct?

None of the given

The greater the dependency between the components the lesser is coupling

The lesser the dependency between the components the greater is coupling

[The greater the dependency between the components the greater is coupling](#) [Click here for detail](#)

Question No: 10 of 10 (Marks: 1) - Please choose one
Function/Test matrix is a type of

Interim Test report

Final test report

Project status report [click here for detail](#)

Management report

Question No: 1 of 10 (Marks: 1) - Please choose one

The most important objective of any engineering activity is to produce high quality product with limited resources and-----

Time (Page 66)

Persons

Cost

Metrics

Question No: 2 of 10 (Marks: 1) - Please choose one

Extent to which access to software or data by unauthorized persons can be controlled and called

None of given

Efficiency

Reliability

Integrity (Page 67)

Question No: 3 of 10 (Marks: 1) - Please choose one

The amount of computing resources required by a program to perform its function is

Efficiency (Page 67)

Integrity

Reliability

None of given

Question No: 4 of 10 (Marks: 1) - Please choose one

_____ technique was initially developed for manufacturing processes in the 1920's by Walter Shewart.

Upper Control Line

Control chart (Page 75)

CMP

Quality

جھوٹ رزق کو کھا جاتا ہے

Question No: 5 of 10 (Marks: 1) - Please choose one

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

The product is in unstable condition. (Page 78)

The product is ready for shipment

The product is in stable condition.

None of the above

Question No: 6 of 10 (Marks: 1) - Please choose one

A -----entity is the one which have any ----- in the problem domain without some other entity.

Strong, Role*

All of the given

Weak, Function

None of the Given (Page 47)

Ref: - A weak entity is the one which does not have any role in the problem domain without some other entity.

Question No: 7 of 10 (Marks: 1) - Please choose one

ILF is a ----- identifiable group of logically control in formations ----- the boundary the application.

user, within (Page 42)

user, without

All of the given

user, along

Question No: 8 of 10 (Marks: 1) - Please choose one

In context of moving range and individual control charts, UNPL stands for:

Universal Natural Process Line

Universal Natural Process Limit

Upper Natural Process Limit (Page 77)

Upper Natural Process Line

Question No: 9 of 10 (Marks: 1) - Please choose one

Effort required to test a program to ensure that it performs its intended function _____

Testability page (Page 68)

Bug fixing

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Debugging
Security

Question No: 10 of 10 (Marks: 1) - Please choose one

The extent to which a program can be expected to perform its intended function with required precision is called _____

Usability

Reliability (Page 67)

Portability

Maintainability

Question No: 1 of 10 (Marks: 1) - Please choose one

Which one of the following is NOT a useful indicator of software quality?

Correctness

Code size (Page 67)

Maintainability

Integrity

Usability

Question No: 2 of 10 (Marks: 1) - Please choose one

Which one of the following does not belong to a strategy for dealing with risk?

Risk avoidance

Security risk assessment (Page 89)

Risk monitoring

Risk management and Contingency planning

Question No: 3 of 10 (Marks: 1) - Please choose one

Three categories of risks are

Business risks, personnel risks, budget risks

Project risks, technical risks, business risks (Page 86)

Planning risks, technical risks, personnel risks

Management risks, technical risks, design risks

Question No: 4 of 10 (Marks: 1) - Please choose one

The software reengineering process model includes restructuring activities for which of the following work items?

Code

Documentation

Data

All of the given options

[click here for detail](#)

افضل انسان وہ ہے جو اپنی اصلاح کی کوشش کرتا ہے

Question No: 5 of 10 (Marks: 1) - Please choose one

One graphical technique for determining whether a process exhibits out-of-control change behavior is a.

Control chart (Page 75)

Fishbone diagram

Pareto diagram

Process diagram

Question No: 6 of 10 (Marks: 1) - Please choose one

The first step in project planning is to

Determine the budget.

Select a team organizational model.

Determine the project constraints.

Establish the objectives and scope. (Page 80)

Question No: 7 of 10 (Marks: 1) - Please choose one

FAST is the abbreviation of

Facilitated Application Specification Technology

Facilitated Application Specification Technique (Page 80)

Facilitated Application Specialization Technique

None of the above option

Question No: 8 of 10 (Marks: 1) - Please choose one

Defect per unit function point is a

Measure

Metric (Page 65)

Measurement

None of the above

Question No: 9 of 10 (Marks: 1) - Please choose one

Chart that is used to develop the individual control chart is called statistical control techniques.

Yes (Page 75)

No

Question No: 10 of 10 (Marks: 1) - Please choose one

_____ Is the set of tools and techniques used to develop software?

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Engineering
Software Engineering (Page 4)

Question No: 1 of 10 (Marks: 1) - Please choose one
The characteristics of well developed software are_____

Reliability
User friendliness
Cost effective

All of the above (Page 5)

Question No: 2 of 10 (Marks: 1) - Please choose one
SE is a Balancing act

Yes (Page 5)

No

Question No: 3 of 10 (Marks: 1) - Please choose one
_____ Is the process of balancing among different characteristics of software?

Software Testing
Software Development (Page 6)
Software Management
Software Risk Analysis

Question No: 4 of 10 (Marks: 1) - Please choose one
_____Is directly related to development of the software

Management
Construction (Page 8)
Coding
None of the above

Question No: 5 of 10 (Marks: 1) - Please choose one
_____ Basic project management processes established to track cost, schedule and functionality. Has the necessary process discipline in place to repeat earlier successes Related to projects

Level 1
Level 2 (Page 12)
Level 3
Level 4

Question No: 6 of 10 (Marks: 1) - Please choose one

Change control is not necessary if a development group is making use of an automated project database tool.

True

False [Click here for detail](#)

Question No: 7 of 10 (Marks: 1) - Please choose one

Which one of the following principles/techniques is NOT software projects scheduling?

Interdependency identification

Time allocation

Effort validation

Function point analysis (Page 93)

Milestone definition

Question No: 8 of 10 (Marks: 1) - Please choose one

Which one of the following is the 4th level of the SEI Capability Maturity Model?

Initial or ad hoc

Optimizing

Managed (Page 12)

Defined

Repeatable

Question No: 9 of 10 (Marks: 1) - Please choose one

Which one of the following activities does not belong to Risk Mitigation, Monitoring, and Management Plan?

Risk Projection (Page 89)

Risk Mitigation

Risk avoidance

Risk Management and Contingency Planning

Question No: 10 of 10 (Marks: 1) - Please choose one

The prototyping model of software development is

A reasonable approach when requirements are well defined.

A useful approach when a customer cannot define requirements clearly. [Click here for detail](#)

The best approach to use for projects with large development teams.

A risky model that rarely produces a meaningful product.

An old fashioned model that is rarely used any more.

Question No: 1 of 10 (Marks: 1) - Please choose one

Which maturity level is characterised by:

"Basic project management processes established to track cost, schedule and functionality. Has the necessary process discipline in place to repeat earlier successes on projects with similar applications".

Level 1

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Level 2 (Page 12)

Level 3

Level 4

Question No: 2 of 10 (Marks: 1) - Please choose one

Defect prevention is defined as:

Avoiding defect insertion

Avoiding defect insertion, but fixing errors when reported

Finding and fixing errors after insertion [click here for detail](#)

Finding and fixing errors after release

Not reporting errors

Question No: 3 of 10 (Marks: 1) - Please choose one

What activity does a software project manager need to perform to minimize the risk of software failure?

double the project team size

request a large budget

allow absolutely no schedule slippage

define milestones and track progress [Click here for detail](#)

Request 50% more time than estimated

Question No: 4 of 10 (Marks: 1) - Please choose one

The linear sequential model of software development is also known as the

Classical life cycle model [click here for detail](#)

Fountain model

Spiral model

Chaos model

Question No: 5 of 10 (Marks: 1) - Please choose one

Doubling the size of your software project team is guaranteed to cut project completion time in half.

True

False [Click here for detail](#)

Question No: 6 of 10 (Marks: 1) - Please choose one

Which of these benefits can be achieved when software is restructured?

higher quality programs

reduced maintenance effort

software easier to test

all of the given options [Click here for detail](#)

اطمینان قلب چاہتے ہو تو حسد سے دور رہو

Question No: 7 of 10 (Marks: 1) - Please choose one

The goal of quality assurance is to provide management with the data needed to determine which software engineers are producing the most defects.

True

False [Click here for detail](#)

Question No: 8 of 10 (Marks: 1) - Please choose one

_____ QA technique involves typically execution of software and the observation of program behavior or outcome.

- a) Inspection
- b) Walkthroughs
- c) **Testing** [Click here for detail](#)
- d) Reviews

Question No: 9 of 10 (Marks: 1) - Please choose one

_____ testing verifies the correct handling of the external functions provided by the software

- a) **Black box** [Click here for detail](#)
- b) White box
- c) Gray box

Question No: 10 of 10 (Marks: 1) - Please choose one

The quality expectations of a user are that a software system performs useful functions that

- a) fit user needs
- b) perform correctly over repeated period of time
- c) **both a and b** [Click here for detail](#)

Question No: 1 of 10 (Marks: 1) - Please choose one

Incomplete requirements gathering can result in the _____ of the project

- a) **failure** (Page 12)
- b) reusability
- c) success
- d) easy maintenance

Question No: 2 of 10 (Marks: 1) - Please choose one

The root causes of project failure are

- a) lack of user input

- b) incomplete requirement and specification
- c) **creep requirement** [Click here for detail](#)
- d) all of the given options

Question No: 3 of 10 (Marks: 1) - Please choose one

Incomplete Configuration identification documents may result in:

Defective Product
Higher Maintenance Costs
Schedule Product
Meet Software Quality

A,B,C [Click here for detail](#)

B,C,D

A,B,D

A,B,C,D

Question No: 4 of 10 (Marks: 1) - Please choose one

_____ is a bad smell when a change requires lots of little changes in a lot of different classes.

Short gun surgery [Click here for detail](#)

Duplicated code
Large class
Lazy class

Question No: 5 of 10 (Marks: 1) - Please choose one

If you find the code such that one type of change requires changing one subset of method, another type of change requires changing another subset then it is a symptom of _____

Divergent change [Click here for detail](#)

Duplicated code
Large class
Lazy class

Question No: 6 of 10 (Marks: 1) - Please choose one

Software re-factoring is a process in which

External behavior of the system does not change
Internal behavior of the system does not change
Design of the software changes

Architecture of the software changes [Click here for detail](#)

Question No: 7 of 10 (Marks: 1) - Please choose one

_____ integrates system and software disciplines into single process improvement framework for introducing new disciplines as needs arise.

CMM

CMMI [Click here for detail](#)

ISO

SEI

Question No: 8 of 10 (Marks: 1) - Please choose one

Following are the reasons for project failure except

Requirements are not clear

The name of the software (Page 28)

Processes have not been established in the organization

Un-realistic deadline

Question No: 9 of 10 (Marks: 1) - Please choose one

Main characteristic of _____ model is risk analysis and management

Waterfall

RAD

Spiral [Click here for detail](#)

Incremental

Question No: 10 of 10 (Marks: 1) - Please choose one

In _____, there is both vertical and horizontal communication.

Controlled decentralized (CD) Page 32

Democratic decentralized (DD)

Controlled centralized (CC)

Synchronous paradigm (SP)

Question No: 1 of 10 (Marks: 1) - Please choose one

The prevention of defects being injected into the software can help in decreasing the cost of software.

a) **True**

b) False

Question No: 2 of 10 (Marks: 1) - Please choose one

In the software development life cycle, soon the defect is detected will results in

a) increase in cost of software

b) decrease in software cost

c) both a and b are correct

Question No: 3 of 10 (Marks: 1) - Please choose one

_____ testing verifies the correct implementation of internal units, structures and relationship among them.

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- a) Black box
- b) **White box** [click here for details](#)
- c) Gray box

Question No: 4 of 10 (Marks: 1) - Please choose one

1.14) Testing and Software Quality Assurance activities are exactly similar activities with different names

- a) True
- b) **False (Page 69)**

اپنی مرضی اور اللہ کی مرضی میں فرق کا نام غم ہے
اس سے پہلے کہ تمہیں شہوتِ فتنے میں ڈالے نکاح کر لو
وہ لوگ مبارک ہیں جو الفاظ سے نصیحت نہیں کرتے بلکہ عمل سے کرتے ہیں