



CS605- Software Engineering II
Solved MCQS
From Final term Papers

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PSMD01

FINAL TERM EXAMINATION
Spring 2011
CS605- Software Engineering II (Session - 1)

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

_____ is not the construction part of software development activities.

- ▶ Requirement gathering
- ▶ Testing
- ▶ **Configuration Management (Page 8)**
- ▶ Coding

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

Basic project management processes are established at _____ level of CMM

- ▶ Chaotic
- ▶ Initial
- ▶ Level 1
- ▶ **Repeatable (Page 12)**

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

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

The projects usually don't fail due to

- ▶ ambiguous/incomplete requirements
- ▶ changing customer requirements
- ▶ **the fact that company was not CMM certified (Page 28 - 29)**
- ▶ failure in project management

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

_____ 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.

- ▶ **Democratic decentralized (DD) (Page 32)**
- ▶ Controlled decentralized (CD)
- ▶ Synchronous paradigm (SP)
- ▶ Controlled centralized (CC)

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

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

- ▶ **to price them** [Click here for detail](#)
- ▶ to improve them
- ▶ to characterize them
- ▶ to evaluate them

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

Integrity can be measured by the following formula

- ▶ integrity = (1-threat) x (1-security)
- ▶ integrity = $\sum (1+threat) + (1-security)$
- ▶ **integrity = $\sum [(1-threat) \times (1-security)]$ (Page 69)**
- ▶ integrity = $\sum (1-threat) - (1-security)$

Question No: 8 (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

اللہ کا خوف سب سے بڑی دانائی ہے

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

An _____ is a user identifiable group of logically related data or control information maintained within the boundary of the application

- ▶ **Internal logical file (ILF) (Page 42)**
- ▶ External Interface file (EIF)
- ▶ External input
- ▶ External Query

Question No: 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

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

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

True

False (Page 69)

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

If an error related to requirements is identified in testing phase, so this error will be considered as an error in _____ phase.

- ▶ Design
- ▶ Code
- ▶ Requirement
- ▶ **Testing**

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

Usually the performance of the organization change over-night.

▶ True

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

بري صحبت سے تنہائی بہتر ہے اور تنہائی سے نيك صحبت بہتر ہے

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

Following are the implicit requirement(s) of software?

- ▶ Efficiency
- ▶ Ease of use
- ▶ Maintainability
- ▶ **All of the given (Page 106)**

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

If an error related to requirements is identified in Coding, so this error will be considered as an error in _____ phase.

- ▶ Design
- ▶ **Code**
- ▶ Requirement
- ▶ Testing

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

While developing the software if the bug is caught then it is termed as

- ▶ Error
- ▶ **Defect (not sure)**
- ▶ Fault
- ▶ Mistake

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

Following are the types of Formal Technical Reviews except

- ▶ Inspection
- ▶ **JAD (Page 110)**
- ▶ Walkthrough

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

The Review participants should not focus on

- ▶ Work product
- ▶ **Weaknesses of the developer (Page 113)**
- ▶ Time lines
- ▶ Review agenda

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

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

Review meeting is attended by the following except

- ▶ Review leader
- ▶ All reviewers
- ▶ **CEO (Page 112)**
- ▶ Product Producer

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

Which statement is true in the light of Pareto principle?

- ▶ **80% of defects are caused by 20 % of mistakes (Page 114)**
- ▶ 20% of defects are caused by 80 % of mistakes

Question No: 21 (Marks: 1) - Please choose one

Reliability and Safety are same concepts with respect to software quality

- ▶ **True (Page 117)**
- ▶ False

Question No: 22 (Marks: 1) - Please choose one

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

True

False

Question No: 23 (Marks: 1) - Please choose one

Poka Yoke is the name of a

- ▶ Japanese dish
- ▶ **QA technique (Page 118)**
- ▶ Idiom
- ▶ None of the given

Question No: 24 (Marks: 1) - Please choose one

If a new version of a product is released by fixing the bugs in the previous release then it is termed as ____

- ▶ **Product Update (Page 122)**
- ▶ Product Upgrade
- ▶ Defect Removal
- ▶ Product Performance

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Question No: 25 (Marks: 1) - Please choose one

The Evolution Graph signifies the

- ▶ **version relationship (SE-PRESSMAN, page 260)**
- ▶ baseline of a particular release
- ▶ change control activity
- ▶ all of the given

Question No: 26 (Marks: 1) - Please choose one

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

increase in cost of software

decrease in software cost

both a and b are correct

Question No: 27 (Marks: 1) - Please choose one

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

Black box

White box [click here for details](#)

Gray box

Question No: 28 (Marks: 1) - Please choose one

The template for organizing SRS given by American Department of Defense and NASA should be used for

- ▶ none of the given
- ▶ **large and complex projects**
- ▶ small project
- ▶ medium size projects

Question No: 29 (Marks: 1) - Please choose one

If you know the relationship between the use cases, classes, GUIs, Test cases and other artifacts then we can say that requirements are traceable in that project.

- ▶ True
- ▶ **False (Page 133)**

دنیا کی سب سے بڑی فتح نفس پر قابو رکھنا ہے

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Question No: 30 (Marks: 1) - Please choose one

There may be one or more GUIs that are part of any good software but may not satisfy any requirement

- ▶ True
- ▶ False

Question No: 31 (Marks: 1) - Please choose one

Following are the components of a Legacy system except:

- ▶ business processes
- ▶ system hardware
- ▶ **marketing (Page 134)**
- ▶ application software

Question No: 32 (Marks: 1) - Please choose one

There are many reasons for which the legacy system become difficult to maintain EXCEPT

- ▶ Language in which system was developed become obsolete
- ▶ lack of consistency as different parts of the system have been developed by different teams
- ▶ None of these
- ▶ **No documentation is available (Page 134)**

Question No: 33 (Marks: 1) - Please choose one

In _____, new user and technology requirement can also be integrated into the re-engineering effort.

- ▶ Backward re-engineering
- ▶ **Forward re-engineering (Page 140)**
- ▶ Business Engineering
- ▶ Business Process Engineering

Question No: 34 (Marks: 1) - Please choose one

Large classes reduces

- ▶ **Cohesion (Page 143)**
- ▶ Coupling
- ▶ Consistency
- ▶ Chains

Question No: 35 (Marks: 1) - Please choose one

Level _____ is the lowest capability level of CMMI in Continuous representation

- ▶ 1
- ▶ **0 (Page 169)**
- ▶ 5
- ▶ 6

Question No: 36 (Marks: 1) - Please choose one

In _____ representation of CMMI model, consideration is given to improve selected processes areas.

▶ **Staged (Page 169)**

▶ Continuous

Question No: 37 (Marks: 1) - Please choose one

Empirical models are statistical models and are based upon historic data

True (Page 81)

False

Question No: 38 (Marks: 1) - Please choose one

Error tracking provides a quantitative means of assessing the quality of the individuals implementing a software product.

▶ True

▶ **False**

Question No: 39 (Marks: 1) - Please choose one

There are tools available in the market for project tracking. These tools can automatically track and manage the project replacing the need of any human being as a Project Manager.

▶ **True**

▶ False

Question No: 40 (Marks: 1) - Please choose one

Two tools for computing critical path and project completion times from activity networks are

▶ **CPM and PERT (Page 100)**

▶ DRE and SQA

▶ FP and LOC

▶ ASD and BSD

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Question No: 1 (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: 2 (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: 3 (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: 4 (Marks: 1) - Please choose one

A consideration of software scope must include an evaluation of all external interfaces.

- ▶ **true (Page 80)**
- ▶ false

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

Software quality is conformance to _____

Explicitly stated functional and non functional requirements (Page 106)

Explicitly documented development standards

Implicit characteristics that all the professional software are expected to have

All of the given options

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: 6 (Marks: 1) - Please choose one

The boundary time defines the following parameter(s) for a project

the latest time for task initiation before the minimum project completion time is delayed

The earliest finish

The latest finish

All of the given options (Page 100)

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

Quality is the compliance of software to implicit and explicit quality factors. Identify the explicit requirement from the following:

- ▶ Maintainability
- ▶ **Compliance with CMMI (Page 106)**
- ▶ Ease of use
- ▶ Efficiency

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

Following are the benefits of conducting review except

- ▶ **Help in finding the size of the project**
- ▶ Helps in verifying the quality of product
- ▶ Help in identifying where improvement is required.
 - ▶ Helps in identifying the bugs in the work product

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

Mean Time To Repair (MTTR) is the

- ▶ Time when system remained unable for usage
- ▶ Time taken to fix the error
 - ▶ **Time taken to repair the software (Page 116)**
- ▶ All of the given options are correct.

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

In order to use the Pert and CPM, which one of the following is not required?

Decomposition of tasks - also known as the work breakdown structure (WBS)

Teams communication mode detail (Page 100)

Estimation of effort

inter dependencies

خود کو تمہیں سے بڑھ کر کوئی اچھا مشورہ نہیں دے سکتا

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Question No: 11 (Marks: 1) - Please choose one
SCM is the requirement of the _____ level(s) of CMM

- ▶ First
- ▶ Second and later
- ▶ Third and later
- ▶ **Only Second (Page 119)**

Question No: 12 (Marks: 1) - Please choose one
We can include following items during configuration item identification:

- ▶ User Manuals and Documentations
- ▶ Source Code
- ▶ Software Requirement Specifications
- ▶ **All of the given choices are correct (Page 120)**

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

- critical project Measure
- Critical Path Method (page 100)**
- Common Project Measure
- Critical Planning Model

Question No: 14 (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: 15 (Marks: 1) - Please choose one
The Change Control Authority does not have the rights to permit to bring the change in the software

- ▶ True
- ▶ **False (Page 124)**

Question No: 16 (Marks: 1) - Please choose one
Check in and check out is actually one and the same process with two different names

- ▶ True
- ▶ **False (Page 124)**

Question No: 17 (Marks: 1) - Please choose one
There could be multiple GUIs to satisfy one requirement

- ▶ **True (Page 37)**
- ▶ False

Question No: 18 (Marks: 1) - Please choose one
_____ is the process of Design recovery. At this stage the documentation of the overall functionality is created.

- ▶ Database Engineering
- ▶ **Reverse Engineering (Page 139)**
- ▶ Refactoring
- ▶ Forward Engineering

Question No: 19 (Marks: 1) - Please choose one
In code restructuring, we do not change the functionality of the code

- ▶ **True (Page 139)**
- ▶ False

Question No: 20 (Marks: 1) - Please choose one
Earned Value Analysis (EVA) is a _____ technique for assessing the progress of a project.
Select correct option:

- Qualitative
- ▶ **Quantitative (page 102)**
- Subjective
- None of the given options

Question No: 21 (Marks: 1) - Please choose one
A _____ process is “a set of logically related tasks performed to achieve a defined business outcome”.

- ▶ **Business (Page 141)**
- ▶ Software
- ▶ CMM
- ▶ ISO

Question No: 22 (Marks: 1) - Please choose one
Software Refactoring is a process in which

- ▶ **External behavior of the system does not change (Page 142)**
- ▶ Internal behavior of the system does not change
- ▶ Design of the software changes
- ▶ Architecture of the software changes

Question No: 23 (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: 24 (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: 25 (Marks: 1) - Please choose one

A significant SQA plan, among others, should include:

Select correct option:

Resources required for project (Page 177)

- Error tracking procedures
- Phases required in application development process
- None of the given options

Question No: 26 (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

Question No: 27 (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: 28 (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: 29 (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: 30 (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

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

Which of the following is NOT one of the degrees of rigor?

- Casual
- Structured
- Strict

TSS (Page 66)

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

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

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

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

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

MTTC is the abbreviation of

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

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

While creating matrix for a set of projects, data should be collected that belongs to a similar domain

- ▶ **true** (Page 72)
- ▶ false

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

_____ is one of the techniques to prepare project schedule once we have defined "task network"

Program evaluation and review techniques (PERT) (Page 100)

Critical Communication path method (CCPM)

System resource negotiation method (SRNM)

Strategic Schedule Development technique (SSDT)

Question No: 7 (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

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Question No: 8 (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: 9 (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: 10 (Marks: 1) - Please choose one

FTR stands for:

- Feasibility of technical requirement
- Fetch Technical Requirement
- Formal Technical Review (Page 109)**
- None of the given options

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

SQA is an umbrella activity in which following activities are performed EXCEPT

- Review
- Testing
- Project Planning
- Inspection (Page 177)**

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

Software configuration management is used to

- ▶ **Manage change in the software (Page 119)**
- ▶ Manage the financials accounts in an organization
- ▶ Manage the administration of company
- ▶ All of the given

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

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

Which of the following is not TRUE about "Error Tracking" ?

Error tracking can be used to estimate the progress of the project.

We track errors in work products to assess the status of a project.

Durint "Error Tracking", we may also need the historical data from similar projects. (Page 104)

All of the given options.

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

SQA is an activity in which testing is performed only

True

False (Page 177)

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

Schedule Performance Index (SPI) is equal to

BCWP / BCWS (Page 102)

BCWP * BCWS

BCWP + BCWS

BCWP - BCWS

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

BCWS for a task i will be equal to:

Risks appeared in task i

Effort (person-days etc) for task I (Page 102)

Resource deficiency for task i

None of the given options

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

if: E = Errors found before shipment D = Errors found during operation Then Defect Removal Efficiency (DRE) is equal to:

DRE = E + (E+D)

DRE = E - (E+D)

DRE = E * (E+D)

DRE = E / (E+D) (Page 104)

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

Quality assurance helps management in providing the necessary data about:

Product quality (Page 106)

Errors/bugs left

Errors/bugs highlighted

Defect reports

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

The progress on a project at any given point in time can be calculated by:

Adding all the BCWS till that point for all tasks (Page 102)

Multiplying all the BCWS till that point for all tasks

Adding BCWS and EVA for all tasks till that point

None of given options

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

The process of rediscovering the software design is called

▶ **Reverse Engineering (Page 139)**

▶ Business Engineering

▶ Business Process Engineering

▶ Forward Engineering

Question No: 21 (Marks: 1) - Please choose one

OCI stands for:

Output, Control and Input [Click here for detail](#)

Overflow of Certain Inputs

Overflow of Certain Indexes

None of given options

Question No: 22 (Marks: 1) - Please choose one

A redesigned business process must be prototyped before it is fully integrated into the business.

▶ False

▶ **True (Page 141)**

Question No: 23 (Marks: 1) - Please choose one

Critical path defines:

The list of the resources that may be needed for future activities.

The chain of tasks that determines the duration of the project. (Page 100)

The list of the deficient resources, project is suffering from.

None of the given options.

Question No: 24 (Marks: 1) - Please choose one

BAC stands for:

Budgeted Analysis Cost

Budget And Cost

Budget at compilation

Budget at Completion (Page 102)

Question No: 25 (Marks: 1) - Please choose one

The first task in concept development project is to:

Determine the cost of the concept

Determine the resources required for the concept

Determine the scope of the concept (Page 99)

Determine the test cases for concept

Question No: 26 (Marks: 1) - Please choose one

Milestone represents:

A predictable risk that may hit the project

An unpredictable risk that may hit the project

The Loss that organization may suffer due to risk

The defined target which you need to achieve [Click here for detail](#)

Question No: 27 (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: 28 (Marks: 1) - Please choose one

The more you refine the tasks, the more you can:

Estimate task with accuracy

Conclude about scope with accuracy

Schedule the project with accuracy

All of the given options

Question No: 29 (Marks: 1) - Please choose one

In a complex system that will lead to muchcode to write and maintain.

▶ **More (Page 159)**

▶ None of the given

▶ Less

▶ Meaningless

عقل مند اپنے عیب خود دیکھتا ہے اور بیوقوفوں کے عیب دنیا دیکھتی ہے

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Question No: 30 (Marks: 1) - Please choose one

Which of the following is NOT one of the tasks in concept scoping:

- Identify needs and benefits
- Define desired output/control/input
- Define the function/behavior

Identify the ambiguous requirements (Page 100)

FINALTERM EXAMINATION

Fall 2009

CS605- Software EngineeringII (Session - 1)

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

Defining a |Task Network| helps in defining

- The resources required for project
- Third party tool required for project

Sequence in which activities will be performed (Page 99)

None of these

Question No: 2 (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: 3 (Marks: 1) - Please choose one

Function Point analysis is helpful in calculating the size of the software for _____

- ▶ Both client and software organization
- ▶ Software organization
- ▶ Client
- ▶ **User (Page 38)**

بد صورت چہرہ بد صورت دماغ سے بہتر ہے

Question No: 4 (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: 5 (Marks: 1) - Please choose one

What activity/activities , we can perform to identify the needs and benefits of a task?

Establish project statement

Identify needs and project constraints

All of these

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

BCWS stands for:

Budgeted cost of whole System

Budgeted cost of work schedule (Page 102)

None of the given options

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

BCWP refers to:

Normalized value of budgeted cost

Overall expected cost of the project (anticipated cost)

Budgeted cost of work performed so far (Page 102)

Overall cost of the project (calculated after completion of project)

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

Which statement is correct?

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

- ▶ 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

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

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Question No: 9 (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: 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

Debugging

Security

Question No: 11 (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: 12 (Marks: 1) - Please choose one

Review is a type of _____ that helps preventing the bugs to move in the next stage of software development

- ▶ Bug seeding tool
- ▶ **Filter (Page 109)**
- ▶ Alarm

Question No: 13 (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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Question No: 14 (Marks: 1) - Please choose one

Defect Removal Efficiency can be increased by

- ▶ By increasing the team member in a team
- ▶ **Identifying the defect in early stages of development so that it may not be amplified**
- ▶ Identifying the defect in the later stages of project
- ▶ By performing the testing activity only

Question No: 15 (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: 16 (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: 17 (Marks: 1) - Please choose one

Following are effective guidelines for Review **except**

- ▶ We need to review the product not the producer
- ▶ Be sensitive to personal egos
- ▶ Errors should be pointed out gently
- ▶ **Tone should be high and strict (Page 113)**

Question No: 18 (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

بہترین تجربہ وہ ہے جس سے نصیحت حاصل ہو

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

Poka Yoke is Japanese term and it means

- ▶ **Mistake Proofing (Page 118)**
- ▶ Mistake Handling
- ▶ Mistake identification
- ▶ Mistake assurance

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

we need to employ some statistical techniques and plot the result ----- . This is known as statistical control techniques.

Graphically (Page 74)

automatically
manually
personally

Question No: 21 (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: 22 (Marks: 1) - Please choose one

Which is not correct in the context of Poka-Yoke technique?

- ▶ Simple and cheap
- ▶ **Sophisticated and expensive (Page 118)**
- ▶ Part of Process
- ▶ Indication point should be near to the place where the problem occurred

Question No: 23 (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)

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Question No: 24 (Marks: 1) - Please choose one

If Configuration item identification is not identified, it is possible to control changes and establish records.

▶ **False (Page 121)**

▶ True

Question No: 25 (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: 26 (Marks: 1) - Please choose one

When an Item is baselined, it becomes frozen, here frozen means, that the item can be changed only by creating an old version

▶ **True (Page 72)**

▶ False

Question No: 27 (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: 28 (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: 29 (Marks: 1) - Please choose one

Object un-lock is done by

- ▶ **check in (Page 125)**
- ▶ check out
- ▶ both check-in and check-out
- ▶ none of the given

Question No: 30 (Marks: 1) - Please choose one

Requirements engineering is the basis of the contract between the developer and the client.

- ▶ True
- ▶ **False Written as a contract between client and contractor**

Question No: 31 (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: 32 (Marks: 1) - Please choose one

Legacy system migration is usually hard. One important reason is that no proper documentation of the system is available

- ▶ True
- ▶ **False (Page 134)**

Question No: 33 (Marks: 1) - Please choose one

While assessing a legacy system for further decision, one should decide the following about the supplier

- ▶ Is supplier still in existence?
- ▶ Is supplier still in business?
- ▶ Is supplier can provide support?
- ▶ **All of the given (Page 137)**

Question No: 34 (Marks: 1) - Please choose one

The application software is assessed on the basis of following factors except

- ▶ Documentation
- ▶ Understandability
- ▶ **Code Refactoring (Page 137)**
- ▶ Test data

Question No: 35 (Marks: 1) - Please choose one

We modify the internal _____ in code re-structuring

- ▶ interface
- ▶ **design (Page 139)**
- ▶ data structure
- ▶ functionality

Question No: 36 (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

Question No: 37 (Marks: 1) - Please choose one

“A method requires lot of information from some other class” is a symptom of _____ bad smell

- ▶ Data clumps
- ▶ Lazy class
- ▶ **Feature envy (Page 143)**
- ▶ Long Method

Question No: 38 (Marks: 1) - Please choose one

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

- ▶ SEI
- ▶ **CMMI (Click here for detail)**
- ▶ CMM
- ▶ ISO

Question No: 39 (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

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

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Question No: 40 (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: 41 (Marks: 1) - Please choose one

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

- ▶ $E = 3.2 (KLOC)^{1.05}$
- ▶ $E = A + B * (ev)C$ (Page 81)
- ▶ $E = [LOC \times B^{0.333/P}]^3 \times (1/t^4)$
- ▶ none of the given

Question No: 42 (Marks: 1) - Please choose one

A _____ is a user recognizable subgroup of data elements within an ILF or EIF

- ▶ **Record element type (RET) (Page 46)**
- ▶ Data Element Type
- ▶ External Input
- ▶ External Query

Question No: 43 (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: 44 (Marks: 1) - Please choose one

Any delay in _____ path makes the whole project delayed.

- ▶ Logical
- ▶ Neural
- ▶ Physical
- ▶ **Critical** [Click here for detail](#)

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Question No: 45 (Marks: 1) - Please choose one

The responsibilities of a Project Manager does not include

- ▶ Make a schedule of project
- ▶ Allocate tasks to the resources
- ▶ Monitoring the tasks
- ▶ **All these options (Page 28)**

Question No: 46 (Marks: 1) - Please choose one

_____ Subgroups are those that the user has the option of using one or none of the subgroups during an elementary process.

- ▶ **Optional (Page 46)**
- ▶ Mandatory
- ▶ None of the Given
- ▶ RET

Question No: 47 (Marks: 1) - Please choose one

Process discipline is unlikely to be rigorous, but where it exists it may help to ensure that existing processes are maintained during times of stress and this is done at CMM level -----.

- ▶ 1
- ▶ 4
- ▶ 3
- ▶ **2 (Page 172)**

Question No: 48 (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: 49 (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: 50 (Marks: 1) - Please choose one

With a complex class you have to move data and methods around in small pieces to avoid errors, it seems slow but it is the _____ because you avoid debugging

- ▶ **Quickest (Page 163)**
- ▶ Problem
- ▶ None of the given
- ▶ Slowest

FINAL TERM EXAMINATION
Fall 2008
CS605- Software EngineeringII (Session - 1)

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

The purpose of earned value analysis is to

- ▶ determine how to compensate developers based on their productivity
- ▶ **provide a quantitative means of assessing software project progress (Page 102)**
- ▶ provide a qualitative means of assessing software project progress
- ▶ set the price point for a software product based on development effort

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

The RMMM plan assists the project team in developing strategy for dealing with risk. In this context, an effective strategy must consider:

- ▶ Risk avoidance
- ▶ Risk monitoring
- ▶ Risk management and contingency plan
- ▶ **All of the given choices (Page 89)**

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

The component-based development model is

- ▶ only appropriate for computer hardware design.
- ▶ not able to support the development of reusable components.
- ▶ **dependent on object technologies for support. (SE-PRESSMAN, 70)**
- ▶ not cost effective by known quantifiable software metrics.

جھوٹ رزق کو کھا جاتا ہے

Question No: 4 (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: 5 (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: 6 (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: 7 (Marks: 1) - Please choose one

Every task or group of tasks should be associated with a project -----.

Schedule

Member

Manager

Milestone (Page 93)

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

Every task should be assigned to a specific team -----.

▶ **Member (Page 93)**

▶ Manager

▶ Organizer

▶ None of the given

خاموشی غصے کا بہترین علاج ہے

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

Configuration Item identification involves:

- ▶ Identifying the structure of the s/w system
- ▶ **Uniquely identify individual components**
- ▶ Uniquely identifying various revisions
- ▶ All of the given

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

Incomplete Configuration identification documents may result in:

- ▶ Schedule Product
- ▶ **all of the given choices are correct** [Click here for detail](#)
- ▶ Defective Product
- ▶ Higher Maintenance Costs

Question No: 12 (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: 13 (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: 14 (Marks: 1) - Please choose one

Software Availability can be calculated by the following equation:

- ▶ Availability = $(MTTR/MTTF) \times 100$
- ▶ Availability = $(MTBF/MTTR) \times 100$
- ▶ **Availability = $(MTTF/MTBF) \times 100$ (Page 116)**
- ▶ Availability = $(MTBF/MTTF) \times 100$

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

Phase Index can be calculated by the help of the following formula, where
 E_i – the total number of errors uncovered during the i th step in the SE process
 S_i – number of serious errors
 M_i – number of moderate errors
 T_i – number of minor errors
 PS_i – product size at the i th step
 ws, wm, wt – weighting factors for serious, moderate, and minor errors

- ▶ **$P_i = ws(S_i/E_i) + wm(M_i/E_i) + wt(T_i/E_i)$ (Page 115)**
- ▶ $P_i = ws(S_i/E_i) + wm(M_i/M_i) + wt(T_i/T)$
- ▶ $P_i = ws(S_i/E_i) + wm(M_i/M_i) + wt(T_i/E_i)$
- ▶ $P_i = ws(S_i/S) + wm(M_i/M) + wt(T_i/E)$

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

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

- ▶ **True (Page 115)**
- ▶ False

Question No: 17 (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: 18 (Marks: 1) - Please choose one

From the following listed software development Model, which one is an object oriented model

- ▶ Classical life cycle model
- ▶ **Fountain model (Page 23)**
- ▶ Spiral model
- ▶ Waterfall model

Question No: 19 (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.

Question No: 20 (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

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CS605 – Solved Quizzes & MCQs

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

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

user, within (Page 42)

user, without

All of the given

user, along

Question No: 3 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)

Together, Multiple

Together, Double

All of the given

Question No: 4 of 10 (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: 5 of 10 (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: 6 of 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: 7 of 10 (Marks: 1) - Please choose one

Ambiguous requirements can be measured quantitatively

False

True (Page 71)

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

The Spiral model of software development is of Iterative nature

True Click here for detail

false

Question No: 9 of 10 (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: 10 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: 1 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

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Question No: 2 of 10 (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: 3 of 10 (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: 4 of 10 (Marks: 1) - Please choose one

The level 1 of CMM is known as

Managed

Defined

Initial (Page 12)

Repeatable

Question No: 5 of 10 (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: 6 of 10 (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

اس سے پہلے کہ تمہیں شہوت فتنے میں ڈالے نکاح کر لو

Question No: 7 of 10 (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: 8 of 10 (Marks: 1) - Please choose one

Product and process decomposition occurs simultaneously as the project plan evolves

True [click here for detail](#)

False

Question No: 9 of 10 (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: 10 of 10 (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: 1 of 10 (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: 2 of 10 (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: 3 of 10 (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: 4 of 10 (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: 5 of 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: 6 of 10 (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: 7 of 10 (Marks: 1) - Please choose one

_____ is the first stage of waterfall lifecycle model

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

ہر چیز کی ایک پہچان ہوتی ہے اور عقلمند کی پہچان غور و فکر کرنا ہے اور غور و فکر کی پہچان خاموشی ہے

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Question No: 8 of 10 (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**

Question No: 9 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: 10 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: 1 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: 2 of 10 (Marks: 1) - Please choose one

Caper Jones divided software related activities into _____ different categories.

35

40

20

25 (Page 7)

اپنی مرضی اور اللہ کی مرضی میں فرق کا نام غم ہے

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Question No: 3 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: 4 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: 5 of 10 (Marks: 1) - Please choose one

Software has very close relationship with _____

Biology

Physics

chemistry

Economics (Page 5)

Question No: 6 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: 7 of 10 (Marks: 1) - Please choose one

_____ deadline is one of the reasons of project failure.

achievable

feasible

unrealistic (Page 29)

realistic

وہ لوگ مبارک ہیں جو الفاظ سے نصیحت نہیں کرتے بلکہ عمل سے کرتے ہیں

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Question No: 8 of 10 (Marks: 1) - Please choose one
_____ model is very sensitive to the risk.

Spiral (Page 21)

waterfall
incremental
RAD

Question No: 9 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: 10 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: 1 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: 2 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

خدا کے سوا کسی سے امید مت رکھو

Question No:3 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)

Question No: 4 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: 5 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: 6 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: 7 of 10 (Marks: 1) - Please choose one
If requirements are uncertain, _____ will be a suitable.

Incremental
RAD
Waterfall (Page 34)
Prototype

ہر کسی کی روٹی نہ کھا بلکہ ہر شخص کو اپنی روٹی کھلا

Question No: 8 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)

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

Defects per function points are a ___ metric.

One (Page 65)

- Two
- Three
- Four

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

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

- level1
- level 2
- level3

level5 (Page 12)

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

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

دنیا حقیر نظر آتی ہے، جب غم یا خوشی کی انتہاء ہو جائے

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

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

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

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

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

True (Page 28)

False

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Question No: 4 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: 5 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: 6 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

Question No: 7 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: 8 of 10 (Marks: 1) - Please choose one

Water fall model is a document driven model.

True

(Page 16)

False

Question No: 9 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

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

Spiral model has _____ dimensions.

2 (Page 20)

3

4

None of the above

Question No: 1 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: 2 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: 3 of 10 (Marks: 1) - Please choose one

_____ is an Object Oriented model.

Spiral

Water fall

Incremental

Fountain (Page 23)

Question No: 4 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

بہادر آدمی ایک مرتبہ جبکہ بزدل آدمی کئی مرتبہ مرتا ہے

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

Vision phase in a software process focuses on _____.

What

Why (Page 14)

How

Change

Question No: 6 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: 7 of 10 (Marks: 1) - Please choose one

_____ phase in a software process focuses on change.

Vision

Maintenance (Page 14)

Definition

Development

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

_____ model is adopted by Microsoft

RAD

Build and Fix

Spiral

Synchronize and Stabilize (Page 19)

Question No: 9 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: 10 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: 1 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: 2 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: 3 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: 4 of 10 (Marks: 1) - Please choose one

_____ activity is performed throughout software production

Maintenance

Development

Analysis

Quality Assurance (Page 25)

Question No: 5 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)

Prototyping

None of the above

Question No: 6 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: 7 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: 8 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: 9 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: 10 of 10 (Marks: 1) - Please choose one

In software development _____ is performed at the end of each phase.

Verification (Page 26)

Validation

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

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

True

False (Page 29)

Question No: 2 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: 3 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: 4 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: 5 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: 6 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](#)

Question No: 7 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: 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?

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

اچھائی کرنے کے لئے ہمیشہ کسی بہانے کی تلاش میں رہو

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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 is the 4th level of the SEI Capability Maturity Model?

Initial or ad hoc

Optimizing

Managed (Page 12)

Defined

Repeatable

Question No: 8 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: 9 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

Level 2 (Page 12)

Level 3

Level 4

Question No: 10 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: 1 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: 2 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: 3 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](#)

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

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

Inspection

Walkthroughs

Testing [Click here for detail](#)

Reviews

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

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

Black box [Click here for detail](#)

White box

Gray box

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

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

fit user needs

perform correctly over repeated period of time

both a and b [Click here for detail](#)

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

Incomplete requirements gathering can result in the _____ of the project

failure (Page 12)

reusability

success

easy maintenance

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

The root causes of project failure are

lack of user input

incomplete requirement and specification

creep requirement [Click here for detail](#)

all of the given options

کامیاب و کامران زندگی یہی ہے کہ جہاں رہو جس حال میں رہو خوش رہو

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Question No: 9 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: 10 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: 1 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: 2 of 10 (Marks: 1) - Please choose one

Main characteristic of _____ model is risk analysis and management

Waterfall

RAD

Spiral [Click here for detail](#)

Incremental

اطمینان قلب چاہتے ہو تو حسد سے دور رہو

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