

**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**

**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**

**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

**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

**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

**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 گرجاتا 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

**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 much .....code 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**

**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)**