

Professional Online Academy Vu Topper RM



CS611-Software Quality Engineering Update MCQ'S Mid Term



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Question No:1

(Marks:1)

Vu-Topper RM

Audits are conducted for the ----- of established process.

- A. Implementation
- B. Standardization
- C. Centralization
- D. Assessment**

Question No:2

(Marks:1)

Vu-Topper RM

The ----- acts as a Bridge among Development, Sales, Finance and Management.

- A. Project Management Framework**
- B. Quality Assurance Department
- C. Auditor
- D. Developer

Question No:3

(Marks:1)

Vu-Topper RM

The project management involves the following activities except _____.

- A. Monitoring end user activities**
- B. Management of software development teams
- C. Project monitoring
- D. Project documentation

Question No:4

(Marks:1)

Vu-Topper RM

_____ is a process to detect and remove defects as early/many as possible through various approaches like QA, code reviews, code inspection and design review.

- A. Fault containment
- B. Error control
- C. Fault detection**

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D. Defect prevention

Question No:5

(Marks:1)

Vu-Topper RM

Following are the problems that can occur in requirement engineering except _____.

- A. Missing requirements
- B. Out of scope requirements
- C. Earned value management**
- D. None involvement of clients

Question No:6

(Marks:1)

Vu-Topper RM

Requirements that are technically incorrect are called _____.

- A. Changing requirements
- B. Out of scope requirements
- C. Wrong requirements**
- D. System requirements

Question No:7

(Marks:1)

Vu-Topper RM

Demos in demo plans are given by _____.

- A. Programmer**
- B. Project manager
- C. End user
- D. Assistant manager

Question No:8

(Marks:1)

Vu-Topper RM

Internal audit of a development company is conducted by -----.

- A. Supplier
- B. Third party
- C. People within the organization**

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D. Audit firms

Question No:9

(Marks:1)

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EVM stands for _____.

A. Easy value management

B. Earned value manager

C. Earned value management

D. Earned value material

Question No:10

(Marks:1)

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Requirement engineering is not a technical activity rather it is purely a _____ activity.

A. Mathematical

B. Design

C. Communicational

D. Logical

Question No:11

(Marks:1)

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_____ Meetings are important to execute projects as per planning.

A. Weekly status

B. Spring planning

C. Periodic one on one

D. Daily progress

Question No:12

(Marks:1)

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_____ are planned to maintain daily progress and to improve communication among team members.

A. Regular retrospectives

B. Sprint planning meetings

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C. Periodic one-on-one meeting

D. SCRUM Meetings

Question No:13

(Marks:1)

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The main purpose of project tracking is to check whether the project is _____ as per the plan.

A. Executed

B. Correct

C. Completed

D. Moving ahead

Question No:14

(Marks:1)

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Estimation is pre requisite to _____.

A. Project Planning

B. Project testing

C. Project requirements

D. Project maintenance

Question No:15

(Marks:1)

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_____ is responsible to provide relevant data for Audit.

A. Programmer

B. Project Manager

C. End user

D. Analyst

Question No:16

(Marks:1)

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Improvement in process is evaluated through -----.

A. Requirement Engineering Process

B. Operational Cost

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C. Software Validation

D. Audits

Question No:17

(Marks:1)

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Expert level user has knowledge of ----- terminology.

- A. Process
- B. Lead auditor
- C. Requirement Engineering

D. Domain

Question No:18

(Marks:1)

Vu-Topper RM

Requirement document takes only _____ of the whole project budget.

- A. 10%
- B. 7%
- C. 9%

D. 5%

Question No:19

(Marks:1)

Vu-Topper RM

To determine the project health, project managers perform _____ which covers all the process areas of project management.

- A. Project Audit**
- B. Project feasibility
- C. Project code
- D. Project design

Question No:20

(Marks:1)

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_____, measures the amount of defects that any QA team was able to find as a portion of total defects i.e. found by QA, appeared as run-time error.

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- A. Testing
- B. Fault containment
- C. Fault prevention
- D. Fault detection**

Question No:21 (Marks:1) **Vu-Topper RM**

The estimation is usually worked out in terms of _____ while timeline is progress of activities on a calendar timescale.

- A. Time frame
- B. Deadline
- C. Timescale
- D. Man-hours**

Question No:22 (Marks:1) **Vu-Topper RM**

Requirement engineering becomes difficult when _____.

- A. Project manager is not experienced
- B. Programmer is not mindful
- C. Client put requirement document on low priority**
- D. SQA Manager is not experienced

Question No:23 (Marks:1) **Vu-Topper RM**

At CMMI level-4, organizations quantitatively ----- their process and software products

- A. Document
- B. Elaborate
- C. Share
- D. Manage**

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Question No:24

(Marks:1)

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Capability Level Reflect how well organization is ----- to process area.

- A. Align**
- B. Deviated
- C. Used
- D. Important

Question No:25

(Marks:1)

Vu-Topper RM

At CMMI level-5, organization's focus is on continuous process -----.

- A. Development
- B. Improvement**
- C. Documentation
- D. Implementation

Question No:26

(Marks:1)

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Mature organizations are system oriented and they ensure _____.

- A. Portability
- B. Reliability**
- C. Stability
- D. Efficiency

Question No:27

(Marks:1)

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At CMMI Level-3, the ----- for developing and maintaining software are established and documented

- A. Central Repository
- B. Development Team
- C. Standard process**
- D. Management Team

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Question No:28

(Marks:1)

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In CMMI Level-I processes are considered as -----.

- A. Well documented
- B. Well established
- C. Poorly documented**
- D. Enhanced

Question No:29

(Marks:1)

Vu-Topper RM

Which level of CMMI addressing special causes of variation and providing statistical predictability of the results?

- A. Level 2
- B. Level 1
- C. Level 4**
- D. Level 3

Question No:30

(Marks:1)

Vu-Topper RM

There are _____ process areas in total.

- A. 25
- B. 24
- C. 22**
- D. 23

Question No:31

(Marks:1)

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During Requirement Management Process Area, different versions of requirements -----.

- A. Should be available**
- B. Should be avoided
- C. Can be overlooked
- D. Should be ignored

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Question No:32

(Marks:1)

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Which one is not the component of CMMI process model?

- A. Generic Practices
- B. Process Area
- C. Specific Practice

D. Engineering Process area

Question No:33

(Marks:1)

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CMMI is not a process and it does not tell how to do your work rather it tell _____.

- A. Efficiency of project
- B. Reason of project failure

C. What to do to achieve high quality

D. The cost of project

Question No:34

(Marks:1)

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To improve the process throughout the organization is the responsibility of _____.

- A. Engineering process group**
- B. Process Action group
- C. Requirement management group
- D. Software testing group

Question No:35

(Marks:1)

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CMMI Maturity Level-II is also known as -----.

- A. Rationale
- B. Managed**
- C. Poorly Documented
- D. Captured

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Question No:36

(Marks:1)

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In _____ representation of process are Organization using this approach achieve the goals of the process areas associated each maturity level.

- A. Both
- B. Continuous Representation
- C. Staged representation**
- D. None of these

Question No:37

(Marks:1)

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The CMMI provides a framework for organizing small steps into _____ maturity levels.

- A. Four
- B. Six
- C. Five**
- D. Three

Question No:38

(Marks:1)

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At CMMI level 2, the policies and related ----- are established for software development projects.

- A. Analysis
- B. Applications
- C. Frameworks**
- D. Software

Question No:39

(Marks:1)

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Processes in any organization ensure stability of -----.

- A. Infrastructure
- B. Results**
- C. Failures

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D. Impact

Question No:40

(Marks:1)

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Potentially most of the defects can occur due to ----- in Product Integration Process Area.

A. Same Design Document

B. Misaligned interfaces

C. Homogeneous Interfaces

D. Centralized SRS Document

Question No:41

(Marks:1)

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CMMI is collection of -----.

A. Best practices

B. Engineering Demos

C. Rules

D. Organizations

Question No:42

(Marks:1)

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The implementation of improvement initiatives activities in Specific Process Areas is the responsibility of _____.

A. Process Improvement Team

B. Process Management Team

C. Process Action Team

D. Process Development Team

Question No:43

(Marks:1)

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At which level of CMMI there is no roadmap for software development i.e., the process is ad hoc.

A. Level 2

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B. Level 1

C. Level 4

D. Level 3

Question No:44

(Marks:1)

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In Requirement Development Process Area, the requirements gathering is a ----- activity.

A. Procurement

B. Communication

C. Technical

D. Design

Question No:45

(Marks:1)

Vu-Topper RM

CMMI Level-III is characterized as paradigm shift from people to -----
-.

A. Technology

B. Places

C. Network Platform

D. Processes

Question No:46

(Marks:1)

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_____ approach is essential in determining the cost of missing quality.

A. Function-oriented approach

B. Risk analysis approach

C. Defect removal approach

D. Defect prevention approach

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Question No:47

(Marks:1)

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Plugin or software purchased by producer from third party to integrate it within his own software, is called-----.

- A. By-product software
- B. In-house developed software
- C. Utility Software
- D. Off the shelf software**

Question No:48

(Marks:1)

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Maintainability phase starts after -----.

- A. Design phase
- B. Deployment phase
- C. Development phase**
- D. Requirement phase

Question No:49

(Marks:1)

Vu-Topper RM

ISO 9126 standard provides ----- for the characteristics of quality engineering.

- A. hard and fast rules
- B. guidelines**
- C. Plug-in procurement standards
- D. user requirements

Question No:50

(Marks:1)

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In any development environment, Function-Quality are natural -----
----- .

- A. Friends
- B. Enemies**
- C. Allies
- D. Coordinators

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Question No:51

(Marks:1)

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The other name for the " off the shelf products" is -----.

- A. In-house Products
- B. SDLC Products
- C. Outsource Products

D. Plug and Play Products (PPP)

Question No:52

(Marks:1)

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Requirements of a software are realized by-----.

A. Design phase artifacts

B. Code

C. Test phase outcomes

D. Non-functional requirements

Question No:53

(Marks:1)

Vu-Topper RM

Failure is ----- of the program to behave as expected within given performance requirement.

A. Compliance

B. Inability

C. Dependency

D. Capability

Question No:54

(Marks:1)

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Visible, tangible and observable effects after unfortunate events are related to ----- .

A. Infrastructure Development

B. Software Delivery Plan

C. Indirect Cost of missing Quality

D. Direct Cost of missing Quality

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Question No:55

(Marks:1)

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The errors found before the software is shipped into production are called _____.

- A. Interrupt
- B. Fault
- C. Failure
- D. Bugs**

Question No:56

(Marks:1)

Vu-Topper RM

Using wrong sign in code is example of?

- A. Error**
- B. Bug
- C. Fault
- D. Failure

Question No:57

(Marks:1)

Vu-Topper RM

Defect is reported by -----.

- A. QA department
- B. Client**
- C. Developer
- D. Compiler

Question No:58

(Marks:1)

Vu-Topper RM

Missing quality attributes in software solution can impact the _____.

- A. Managers
- B. Customers**
- C. Suppliers
- D. Customers and Suppliers

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Question No:59

(Marks:1)

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Missing Quality in Software Application has direct impact on People and -----.

A. Buildings

B. Organizations

C. Infrastructure

D. Places

Question No:60

(Marks:1)

Vu-Topper RM

Fault is a ----- of an error.

A. Guideline

B. Cause

C. Result

D. Combination

Question No:61

(Marks:1)

Vu-Topper RM

Consumer role can be divided into which two tangible entities?

A. SQA and Customer

B. Customer and User

C. Developer and Manager

D. Owner and Producer

Question No:62

(Marks:1)

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The invisible cost of missing quality is called _____.

A. Direct Cost

B. Indirect Cost

C. Fixed Cost

D. Unfixed Cost

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Question No:63

(Marks:1)

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Work around is considered as ----- to fix a problem of a project.

A. Actual code

B. Shortcut

C. Real solution

D. Rules

Question No:64

(Marks:1)

Vu-Topper RM

Any behavior related requirement of the software product can only be actualized through _____.

A. Cost

B. Error

C. Code

D. Testing

Question No:65

(Marks:1)

Vu-Topper RM

Defect is mainly caused by -----.

A. Functionality

B. Syntax error

C. Mature QA Process

D. Poorly documented requirements

Question No:66

(Marks:1)

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Customer/Client can be a ----- and a ----- at same time.

A. Owner and User

B. SQA Engineer and Client

C. Developer and Manager

D. Tester and Coder

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Question No:67

(Marks:1)

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Functionality of any software product is the -----.

- A. Connectivity requirement
- B. Interface requirement
- C. Core requirement**
- D. Design requirement

Question No:68

(Marks:1)

Vu-Topper RM

Which quality characteristic makes a software/service platform independent?

- A. Functionality
- B. Maintainability
- C. Efficiency
- D. Portability**

Question No:69

(Marks:1)

Vu-Topper RM

Requirements of a software are realized by -----.

- A. Test phase outcomes
- B. Non-functional requirements
- C. Design phase artifacts
- D. Code**

Question No:70

(Marks:1)

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People and Technology are connect through -----.

- A. Products
- B. Quality
- C. Processes**
- D. Infrastructure

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Question No:71

(Marks:1)

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Which quality characteristic allows the stakeholders to conclude about how easily the solutions can be learned, understood and used?

- A. Portability
- B. Reliability
- C. Maintainability
- D. Usability**

Question No:72

(Marks:1)

Vu-Topper RM

The analyzability, changeability, testability and stability are subcomponents of_____.

- A. Reliability
- B. Efficiency
- C. Maintainability**
- D. Portability

Question No:73

(Marks:1)

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Features and quality of the software product are defined/determined through_____.

- A. System efficiency
- B. Behaviors
- C. Requirements**
- D. Execution

Question No:74

(Marks:1)

Vu-Topper RM

Bench-marking is to evaluate certain ----- as per given standard.

- A. Document
- B. Process**
- C. Trick
- D. Metric

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Question No:75

(Marks:1)

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Satisfaction of the user is dependent on the _____.

- A. Developer
- B. Cost of software quality
- C. Overall behavior of the system
- D. User requirements**

Question No:76

(Marks:1)

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In Software Quality Engineering, grey area means the answer of any question is derived from -----.

- A. Hard and fast rules
- B. Similar opinions
- C. Mathematical rules
- D. Best practices**

Question No:77

(Marks:1)

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Defect refers to the deviation from _____ requirement.

- A. System requirements
- B. Business requirements
- C. Customer requirements**
- D. Project requirements

Question No:78

(Marks:1)

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Features and quality of the software product are defined/determined through_____.

- A. Software design
- B. Software Requirements**
- C. Software cost
- D. System behavior

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