

CS615 QUIZEZ AND MCQZ FOR MIDTERM BY Cybarian

(VISIT VURANK FOR MORE)

Question # 1 of 8 (Start time: 07:32:00 PM) Total Marks: 1

..... theory when the deliverables of a project are more important than its phases. This normally happens when the deliverables are decided before the project begins.

Select correct option:

Project life-cycle-based

Scheduled

None of given

Deliverable-based (handouts pdf file, page 277)

Question # 2 of 8

Predecessor activities need to ----- before the next can begin. After a predecessor activity is completed, the successor activity becomes the predecessor for another activity.

Select correct option:

Both start and end

End (handouts, page 297)

Start

None of given

Question # 3 of 8

Each can be subdivided into sub tasks.

Select correct option:

None of given

Program

Task (handouts, page 275)

Project

Question # 4 of 8

Using PERT and CPM, -----, helps you complete a project on time. By using these techniques, you can determine the latest time by when an activity should start to be completed on time.

Select correct option:

Individually

Combination

Individual and Combine (handouts, page 296)

None of given

Question # 5 of 8 (Start time: 07:34:55 PM) Total Marks: 1

Over the course of the project, a comparison of the due date and the date delivered provides a metric for how well deliverable dates are by the project team.

Select correct option:

Met (handouts, page 274)

Scheduled

None of given

Changed

Question # 6 of 8

Risk analysis and management are a series of steps that help a software team to understand and manage

Select correct option:

Uncertainty (handouts, page 305)

Crises

None of given

Problem

Question # 7 of 8 (Start time: 07:36:07 PM) Total Marks: 1

A node on a network schedule is that point in time at which an activity

Select correct option:

Begins

Begins or Ends (handouts, page 297)

Ends

None of given

Question # 8 of 8

To risks from occurring, the project team prepares the risk plan before the commencement of the project.

Select correct option:

Avoid (handouts, page 312)

Deal

None of given

Manage

1. Which organization has set the de facto standards for project management techniques?

A. PMBOK

B. PMO

C. PMI

D. PMA

Answer: C

The Project Management Institute (PMI) is the industry-recognized standard for project management practices.

2. The VP of marketing approaches you and requests that you change the visitor logon screen on the company's website to include a username with at least six characters. This is considered:

- A. Project initiation
- B. Ongoing operations
- C. A project
- D. Project execution

Answer: B

Projects exist to create a unique product or service. The logon screen in this question is not a unique product. A minor change has been requested, indicating this is an ongoing operation function. Some of the criteria for projects are that they are unique, temporary with definitive start and end dates, and considered complete when the project goals are achieved.

3. Your company manufactures small kitchen appliances. They are introducing a new product line of appliances in designer colors with distinctive features for kitchens in small spaces. These new products will be offered indefinitely starting with the spring catalog release. Which of the following is true?

- A. This is a project because this new product line has never been manufactured and sold by this company before.
- B. This is an ongoing operation because the company is in the business of manufacturing kitchen appliances. Introducing designer colors and features is simply a new twist on an existing process.
- C. This is an ongoing operation because the new product line will be sold indefinitely. It's not temporary.
- D. This is not a project or an ongoing operation. This is a new product introduction not affecting ongoing operations.

Answer: A

This is a project. The product line is new, which implies this is a unique product-it hasn't been done before. We can discern a definite start and end date by the fact that the new appliances must be ready by the spring catalog release.

4. Your company manufactures small kitchen appliances. They are introducing a new product line of appliances in designer colors with distinctive features for kitchens in small spaces. These new products will be offered indefinitely starting with the spring catalog release. In order to determine the characteristics and features of the new product line, you will have to perform which of the following?

- A. Fast tracking
- B. Consulting with the stakeholders
- C. Planning the project life cycle
- D. Progressive elaboration

Answer: D

Progressive elaboration is the process of determining the characteristics and features of the product of the project. Progressive elaboration is carried out in steps in detailed fashion.

5. A project is considered successful when:

- A. The product of the project has been manufactured.

- B. The project sponsor announces the completion of the project.
- C. The product of the project is turned over to the operations area to handle the ongoing aspects of the project.
- D. The project meets or exceeds the expectations of the stakeholders.

Answer: D

A project is considered successful when stakeholder needs and expectations are met or exceeded.

6. The VP of customer service has expressed concern over a project you're involved in. His specific concern is that if the project is implemented as planned, he'll have to purchase additional equipment to staff his customer service center. The cost is substantial and was not taken into consideration in the project budget. The project sponsor insists that the project must go forward as originally planned or the customer will suffer. Which of the following is true?

- A. The VP of customer service is correct. Since the cost was not taken into account at the beginning of the project, the project should not go forward as planned. Project initiation should be revisited to examine the project plan and determine how changes can be made to accommodate customer service.
- B. The conflict should be resolved in favor of the customer.
- C. The conflict should be resolved in favor of the project sponsor.
- D. The conflict should be resolved in favor of the VP of customer service.

Answer: B

Conflicts between stakeholders should always be resolved in favor of the customer. This question emphasizes the importance of identifying your stakeholders and their needs as early as possible in the project. We'll discuss this more in later chapters.

7. Which of the following brings together a set of tools and techniques used to describe, organize, and monitor the work of project activities?

- A. Project managers
- B. Guide to the PMBOK
- C. Project management
- D. Stakeholders

Answer: C

Project management brings together a set of tools and techniques to organize project activities. Project managers are the ones responsible for managing the project processes.

8. What are the triple constraints?

- A. Time, schedules, and quality
- B. Time, availability, and quality
- C. Time, money, and schedules
- D. Time, money, and quality

Answer: D

The triple constraints that drive all projects are time, money, and quality.

9. You are the project manager for a large construction project. The project objective is to construct a set of outbuildings to house the Olympic support team that will be arriving in your city 18 months from the project start date. You've been given a budget of \$12 million to complete this project. Resources are easily attained. Which of the triple constraints is the primary constraint for this project?

- A. Time, because the date cannot be moved
- B. Money, because the budget is set at \$12 million
- C. Resources, because they're not fixed
- D. Quality, because the buildings have to be functional and safe

Answer: A

The primary constraint on this project is time because the date absolutely cannot move. The Olympics are scheduled to begin on a certain date, and this can't be changed. The budget is also a constraint because it's set at \$12 million, but in this example, it would be a secondary constraint. It's important that the project manager understands the priority of the constraints and manages to them.

10. You are the project manager for a large construction project. The project objective is to construct a set of outbuildings to house the Olympic support team that will be arriving in your city 18 months from the project start date. Resources are not readily available as they are currently assigned to other projects. Jack, an expert crane operator, is needed for this project two months from today. Which of the following skills will you use to get Jack assigned to your project?

- A. Negotiation and influencing skills
- B. Communication and organizational skills
- C. Communication skills
- D. Problem-solving skills

Answer: A

Negotiation and influencing skills are needed to convince Jack's boss and come to agreement concerning his assignment.

11. You are a project manager with technical expertise in the pharmaceutical industry. You've decided to try your hand at project management in the entertainment industry. Which of the following is true?

- A. You will likely be successful because communication skills are your strong suit. You anticipate having technical experts on your project team to address industry specifics that you're not familiar with.
- B. You will likely be successful because your organizational skills are excellent. You anticipate having technical experts on your project team to address industry specifics that you're not familiar with.
- C. You will probably be successful because you have a friend in the entertainment industry that has briefed you on all the important aspects of this project that you'll need to know. You anticipate having technical experts on your project team to address industry specifics that you're not familiar with.

D. You will probably not be successful because you have little knowledge of the entertainment industry even though you anticipate having technical experts on your project team to address industry specifics that you're not familiar with.

Answer: A

Project management processes span industries. A project manager can take these skills across industries and apply them successfully. Technical experience in the industry doesn't hurt, but it's not required. The most important skill any project manager can have is communication skills. Poor communication skills might lead to an unsuccessful conclusion no matter how strong the project manager's other skills are.

12. You are managing a project to install a new postage software system that will automatically print labels and administer postage for certified mailings, overnight packages, and other special mailing needs. You've attempted to gain the cooperation of the business analyst working on this project and need some answers. She is elusive and tells you that this project is not her top priority. To avoid situations like this in the future, you should:

A. Establish the business analyst's duties well ahead of due dates and tell her you'll be reporting on her performance to her functional manager.

B. Establish the business analyst's duties well ahead of due dates and tell her you are expecting her to meet these expectations because the customer is counting on the project meeting due dates to save significant costs on their annual mailings.

C. Negotiate with the business analyst's functional manager during the planning process to establish expectations and request to participate in the business analyst's annual performance review.

D. Negotiate with the business analyst's functional manager during the planning process to establish expectations and inform the functional manager of the requirements of the project. Agreement from the functional manager will assure the cooperation of the business analyst.

Answer: C

Negotiate with the functional manager to participate in the business analyst's annual performance review.

13. The amount of authority a project manager possesses can be related to:

A. The project manager's communication skills

B. The organizational structure

C. The amount of authority the manager of the project manager possesses

D. The project manager's influencing skills

Answer: B

The level of authority the project manager has is determined by the organizational structure. For instance, in a functional organization, the project manager has little to no authority, but in a projectized structure, the project manager has full authority.

14. What is one of the advantages of a functional structure?

A. All employees report to one manager and have a clear chain of command.

- B. All employees report to two or more managers, but project team members show loyalty to functional managers.
- C. The organization is focused on projects and project work.
- D. Teams are collocated.

Answer: A

An advantage for employees in a functional organization is that they have only one supervisor and a clear chain of command exists.

15. You have been assigned to a project in which the objectives are to direct customer calls to an Interactive Voice Response system before being connected to a live agent. You are in charge of the media communications for this project. You report to the project manager in charge of this project and the VP of marketing, who share responsibility for this project. Which organizational structure do you work in?

- A. Functional organization
- B. Weak matrix organization
- C. Projectized organization
- D. Balanced matrix organization

Answer: D

Employees in a balanced matrix often report to two or more managers. Functional managers and project managers share authority and responsibility for projects. There is a balance of power between the functional managers and project managers.

16. You have been assigned to a project in which the objectives are to expand three miles of the north-south highway through your city by two lanes in each direction. You are in charge of the demolition phase of this project, and you report to the project manager in charge of this project. You have been hired on contract and will be released at the completion of the demolition phase. What type of organizational structure does this represent?

- A. Functional organization
- B. Weak matrix organization
- C. Projectized organization
- D. Balanced matrix organization

Answer: C

Projectized organizations are focused on the project itself. One issue with this type of structure is determining what to do with project team members when they are not actively involved on the project. One alternative is to release them when they are no longer needed.

17. What are the five project management process groups, in order?

- A. Initiation, Executing, Planning, Controlling, and Closing
- B. Initiation, Controlling, Planning, Executing, and Closing
- C. Initiation, Planning, Controlling, Executing, and Closing
- D. Initiation, Planning, Executing, Controlling, and Closing

Answer: D

Remember the acronym that sounds like syrup of ipecac: IPECC.

18. You have been assigned to a project in which the objectives are to expand three miles of the north-south highway through your city by two lanes in each direction. You are interested in implementing a new project process called design-build in order to speed up the project schedule. The idea is that the construction team will work on the first mile of the highway reconstruction at the same time the design team is coming up with plans for the third mile of the reconstruction rather than completing all design before any construction begins. This is an example of:

- A. Managing the projects as a program
- B. Fast tracking
- C. Progressive elaboration
- D. Collocation

Answer: B

Fast tracking is starting a new phase before the phase you're working on is completed. This compresses the project schedule, and the project is completed sooner as a result.

19. During which project management process are risk and stakeholder's ability to influence project outcomes the highest at the beginning of the process?

- A. Planning
- B. Executing
- C. Initiation
- D. Controlling

Answer: C

The Initiation process is where stakeholders have the greatest ability to influence outcomes of the project. Risk is highest during this stage because of the high degree of unknown factors.

20. You are a project manager working on gathering requirements and establishing estimates for the project. Which process group are you in?

- A. Planning
- B. Executing
- C. Initiation
- D. Controlling

Answer: A

The Planning process is where requirements are fleshed out, stakeholders are identified, and estimates on project costs and time are made.

1. Basit is the project manager working on the Resource Planning process. He should consider all of the following when developing the resource requirements output except:

- WBS
- Supply purchase policies
- **Resource rates**
- Special knowledge and talents

2. All of the following are true regarding the tools and techniques of activity sequencing except:

- **GERT uses analogous methods**
- GERT allows for loops
- GERT is a conditional diagramming method
- GERT allows for conditional branches

3. Pervaiz Elahi is a project manager for Changing Tides Video games. He has produced a project network diagram and has updated the activity list. Which process have he just finished?

- The Activity Sequencing process, which identifies all the specific activities of the project
- **The Activity Sequencing process, which identifies all the activities dependences**
- The activity duration Estimating process, which diagram project network time estimates
- The activity duration Estimating process, which identifies all the dependent activities of the project

4. Pervaiz Elahi is a project manager for Changing Tides Video games. He has gathered the inputs of for the Activity Duration Estimation process. He will employ which tools and techniques to produce the outputs for this process?

- Activity list, analogous estimating, quality based durations, and alternatives identification
- Activity list, analogous estimating, expert judgment, and quality based durations
- **Expert judgment, analogous estimating, quality based durations, and reserve time**
- Expert judgment, alternative identification, quality based durations, and reserve time

5. As a project manager, you know that all of the following are true concerning analogous estimating techniques except:

- **It's a qualitatively based estimating technique**
- It's a Top-down estimating technique
- It's a tool and technique of Activity Duration Estimating and Cost Estimating
- It's a form of expert judgment

6. All of the following are true regarding parametric modeling except:

- It's a form of Top-down estimating
- It's a mathematical model
- It's a tool used to estimate project costs
- **It's a tool used to estimate project time**

7. Which logical relationship does the PDM use most often?

- Start to finish
- Start to start
- Finish to finish
- **Finish to start**

8. One of the most powerful leadership tools a project manager is has his/her_____

- Own knowledge
- Own experience
- **Own behavior**
- Own reference

9. The organization structure that provides the project manager with the most authority over the project team is:

- Functional
- Balanced matrix
- Strong matrix
- **Projectized**

10. Using an EFFORT RATIO for each type of change in_____

- Fuzzy logic sizing
- Function point sizing
- **Changing sizing**
- Standard component sizing

11. What is one of the problems with project management software?

- **The project manager manages the software instead of the project**
- Project duration calculations are sometimes approximate
- You cannot override the project management software decisions regarding schedule
- It's expensive and difficult to use

12. Which of the following is displayed as an S-curve?

- Gantt
- **Cost baseline**
- Critical path
- PERT

13. If you know expected value is 500 and the standard deviation is 12, you can say with approximately a 95 percent confidence rating which of the following?

- The activity will take between 488 and 512 days
- The activity will take between 464 and 536 days
- The activity will take between 494 and 506 days
- **The activity will take between 476 and 524 days**

14. If your expected value is 110 and the standard deviation is 12, which of the following is true?

- There is approximately a 99 percent chance of completing this activity between 86 and 134 days
- **There is approximately a 68 percent chance of completing this activity between 98 and 122 days**
- There is approximately a 95 percent chance of completing this activity between 98 and 122 days
- There is approximately a 75 percent chance of completing this activity between 86 and 134 days

15. Which of the following tools and techniques shows the impacts of one decision over another as well as the probability and cost of each risk along a logical path?

- Simulation
- **Decision tree**
- Probability / impact risk matrix
- Sensitivity analysis

16. All of the following strategies are tools and techniques of Risk Response Planning used to reduce or control risk except?

- Mitigation
- **Simulation**
- Avoidance
- Acceptance

17. Object points are measurable code sections in an object-oriented programming language, such as _____

- C++
- Ada
- Java
- **All of the given**

18. _____ involves determining what qualities are to be used to perform project activities.

- **Resource planning**
- Cost estimating
- Cost budgeting
- Cost control

19. The resources assigned to them will significantly influences the duration of most activities.

- **True**
- False

20. Using the intermediate COCOMO technique effort is calculated in _____

- Two-step process
- **Three-step process**
- Four-step process
- Five-step Process

1. Which of the following is true regarding NPV?

- **NPV assumes reinvestment at the cost of capital**
- NPV decisions should be made based on the highest value for all of the selections
- NPV assumes reinvestment at the prevailing rate
- NPV assumes reinvestment at the NPV rate

2. Hasnain is a project manager for VU International. Since he doesn't sleep much, he get a lot of project work done. He is considering recommending a project that cost s Rs. 575'000, and expected inflows are Rs. 25000 per quarter for the first 2 years, then Rs. 75000 per quarter thereafter. What is the pay back period?

- 40 months
- 38 months
- **39 months**
- 41 months

3. Mathematical models using linear, dynamic, integer, or algorithm models are considered:

- Project selection criteria
- A form of expert judgment
- **Project selection methods**
- A form of historical information

4. WBS Is Not:

- The WBS should contains 100% of the work defined by the scope or contract
- Development of WBS should involve the entire project team
- **A listing of tasks or activities**
- Should captures all deliverables (Internal, External, Interim) in terms of work to be completed

5. COMSAT project selection committee used a weighted scoring model and found that project BAT, with a score of 54, should be chosen over the other competing projects. Which of the following is true?

- **Weighted scoring models are a benefit measurement method, which is tool and technique in the Initiation process**
- Weighted scoring models are constraint optimization method, which is output of the Initiation process
- Weighted scoring models are constraint optimization method, which is tool and technique in the Initiation process
- Weighted scoring models are a benefit measurement method, which is output of the Initiation process

6. Obtaining forma project plan approval and sign-off is important for all of the following reason except:

- Stakeholders are aware of the specific details regarding project schedule, budgets, and risk
- Stakeholders will be more likely to cooperate
- Stakeholders are aware of the project details, which makes them more likely to participate in future project decisions
- **Stakeholders are able to recommend a project planning methodology to follow throughout the remaining process group**

7. All of the following are true regarding the project plan except:

- Some of its input and outputs from other planning processes
- It's used to guide the project Executing and Controlling processes and it is the baseline used to measure project performance
- **It consists of one document that should be formally approved and signed by stakeholder**
- It contains things like the WBS, project schedule , and resource assignment

8. An activities list is typically shown in this ways.

- It can be shown as an outline
- **It can be shown as an outline or it can be graphically presented**
- It can be graphically presented
- None of the given

9. Always remember that projects are in dynamic working environments, so try to maintain flexibility in the work breakdown structure.

- **Always true**
- Always false
- Sometimes true sometimes false
- Depends on condition

10. To create a schedule, you can use project management tools;

- Gantt charts
- Network-scheduling techniques
- PERT
- **All of given**

11. Usman is project manager for a new website for a local zoo. He needs to perform Quantitative Risk Analysis. He will use all of the following tools and techniques to accomplish this except:

- Overall risk ranking for the project
- List of prioritized risk
- **Inputs to other processes**
- List of risks for additional analysis and management

12. Which of the following describes the cost of quality associated with scrapping, rework, and downtime?

- **Internal failure**
- External failure
- Prevention cost
- Appraisal cost

13. Choudhary & Brothers hardware vendor left you voicemail saying that a snowstorm in the Midwest will prevent your equipment from arriving on time. You identified a risk response

for this risk and have arranged for a local company to lease you the needed equipment until yours arrives. This is an example of which risk response strategy?

- Transference
- Acceptance
- **Mitigation**
- Avoidance

14. What document outlines the action steps to be taken if an identified risk event should occur?

- Project plan
- Corrective action Plan
- Contingency Plan
- **Risk response plan**

15. Tools and techniques for risk identification include all but:

- Checklist
- **Risk assessment**
- Interviewing
- Assumption analysis

16. Tools and techniques for Performance reporting are:

- Performance review
- Variance analysis
- Trend analysis
- **All of the given**

17. Analogous estimating is a form of _____

- **Expert Judgment**
- Bottom up estimating
- Delphi method
- Computerized estimating

18. _____ is another term for top down estimating.

- Life cycle costing
- Parametric modeling
- **Analogous estimating**
- Work package

19. Assumptions generally involve:

- **A degree of risk**
- Financial control
- Historical information
- Lesson learned

20. Receivers in the communications model filter their information through all of the following except:

- Culture
- Knowledge of subject
- **Conflict**
- Language

Quiz Solution:

1- The presence of which of the given factors is mandatory in a quality assured software

- a) Change adaptive
- b) Faulty
- c) Correctness
- d) **Both Change adaptive and Correctness**

2- Which of the following testing technique is followed to ensure that the software user requirements are being met?

- a) White box
- b) Gray box
- c) Blue box
- d) **Black box**

3- Which of the following testing techniques is usually used during implementation of individual modules?

- a) **White Box**
- b) Black Box
- c) Integration testing
- d) None of given

4- How do the dynamic testers confirm that the executions of a program (other than the expected execution of a program) are running accurately?

- a) **Some important program input are selected from the set of all and executed**
- b) It is hard to confirm that
- c) The execution of the program other than the intended execution is useless to test
- d) None of given

5- The execution of a program is tested by a model based approach in-case of

- a) Formal testing
- b) Dynamic testing
- c) **Static testing**
- d) Unit testing

6- What is the difference between formal methods and testing?

- a) **Formal methods aim at verification and proving correctness, while testing can only show the presence of errors.**
- b) Testing is done only in the third phase of SDLC whereas Formal methods are done in all the phases of SDLC except Testing phase
- c) There is no big difference between the both
- d) Testing can only be done after the requirements gathering phase of SDLC whereas Formal methods can be applied before that.

7- The main idea behind symbolic execution is to use symbolic values, instead of actual data, as input values, and to represent the values of program variables as symbolic expressions.

- a) **True**
- b) False

8- The purpose of mutation testing is

- a) to help the tester develop effective tests or
- b) to locate weaknesses in the test data used for the program never accessed during execution
- c) to locate weaknesses in the test data used in sections of the code that are seldom accessed during execution
- d) **All of given**

9- Which of the following is the example of mutation operators?

- a) Replace each boolean sub expression with *true* and *false*.
- b) Replace each arithmetic operation with another one, e.g. + with *, - and /.
- c) Replace each boolean relation with another one, e.g. > with >=, == and <=.
- d) **All of given**

10- Which of the following testing approach is used to test the software functionality that previously worked as desired, stops working or no longer works in the same way that was previously planned?

- a) Integration testing
- b) Unit testing
- c) **Regression testing**
- d) Dynamic testing

11- Which of the following can be a type of regression?

- a) Local - changes introduce new bugs.
- b) Unmasked - changes unmask previously existing bugs.
- c) New feature regression
- d) **All of given**

12- Which of the following testing is required when it needs to test the software after combining the modules into a group?

- a) Unit
- b) Regression
- c) White box
- d) **Integration**

13- SQA encompasses the entire software development process

- a) **True**
- b) False

14- The process of software quality assurance (SQA) is designed to prevent software defects and inefficiencies

- a) **True**
- b) False

15- There is no difference between software quality assurance and software testing

- a) True
- b) **False**

The distinguishing characteristics of a software product are _____

Select correct option:

Cyclomatic complexity and cohesion

Function points and lines of code

all of the given

None of given

The distinguishing characteristics of a software product are the cyclomatic complexity, cohesion, function points, and lines of

Question # 3 of 10

Insufficient identification is a

Select correct option:

Technology-related problems

Process-related problems

People-related problems

Product-related problems

Insufficient identification: Unidentified, partially identified, and unplanned risks pose a threat to the success of a software project. You need to intensively identify risks and evolve a risk management plan such that the project is completed successfully, on time.

Question # 4 of 10

_____ of the system is an effort to better understand data and control flow, functional processing, operational behavior, and information content

Select correct option:

Specifications

Design

Model

Evaluation and Synthesis

During the evaluation and solution synthesis activity, the analyst creates models of the system in an effort to better understand data and control flow, functional processing, operational behavior, and information content. The model serves as a foundation for software design and as the basis for the creation of specifications for the Software. The customer may be unsure of precisely what is required.

The developer

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Question # 5 of 10

These all are Product Transition Factors except

Select correct option:

Interoperability

Configurability

Expandability

Testability

Question # 6 of 10

Inefficient project management style is a

Select correct option:

Product-related problems

Technology-related problems

Process-related problems

People-related problems

Inefficient project management style: the project manager needs to lead by example. The team members absorb the work culture, work ethic, and attitude of the project manager and implement it in their work style. If you display a lack of leadership qualities and weak ideals, the motivation levels decrease across software team.

Question # 7 of 10

Finally, the specification includes a _____

Select correct option:

Bibliography

Appendix

Both Bibliography and Appendix

Reference

Finally, the specification includes a Bibliography and Appendix.

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Question # 8 of 10

Software design is actually a multi step process that focuses on distinct attributes of a program, these are

Select correct option:

Data structure, and Software architecture

Interface representations, and procedural detail

Both of given

None of given

Software design is actually a multi step process that focuses on four distinct attributes of a program:

- Data structure,
- Software architecture,
- Interface representations, and procedural (algorithmic) detail.

Question # 9 of 10

Software requirements analysis may be divided into _____ areas of effort

Select correct option:

4

5

6

7

Software requirements analysis may be divided into five areas of effort:

- (1) Problem recognition,
- (2) Evaluation and synthesis,
- (3) Modeling
- (4) Specification, and
- (5) Review

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Question # 10 of 10

McCall (MCC77) and his colleagues proposed some software quality factors based on _____ most important aspects of a software product:

Select correct option:

- 4
- 3**
- 6
- 5

There are a number of factors that determine the quality of a software product. These factors can be measured either directly or indirectly. McCall (MCC77) and his colleagues proposed some software quality factors based on three most important aspects of a software product:

1. Product operation
2. Product revision and
3. Product transition

Question # 1 of _____ contains an analysis of what went wrong, what went right, and what you could have done better in the software project.

Select correct option:

Prepare closedown report

Identify learning

Identify reusable software components

Create reference material:

Prepare closedown report: The project closedown report contains the results of the causal analysis that you do for the project. This contains an analysis of what went wrong, what went right, and what you could have done better in the software project. contains an analysis of what went wrong, what went right, and what

Question # 2 of 10

Project Quality Management includes the ----- required to ensure that the project will satisfy the needs for which it was undertaken

Select correct option:

Time

Cost

Processes

None of the given

Project Quality Management includes the processes required to ensure that the project will satisfy the needs for which it was undertaken. It includes “all activities of the overall management function that determine the quality policy, objectives, and responsibilities and implements them by means such as quality planning, quality assurance, quality control, and quality improvement, within the quality system.

Question # 3 of 10

-----completion and settlement of the contract, including resolution of any open items.

Select correct option:

Contract Administration

Source Selection

None of the given

Contract Closeout

Contract Closeout—completion and settlement of the contract, including resolution of any open items

Question # 4 of 10 (Start time: 11:31:37 PM) Total Marks: 1

-----managing the relationship with the seller.

Select correct option:

Source Selection

None of the given

Contract Closeout

Contract Administration

Contract Administration—managing the relationship with the seller.

Question # 5 of 10

Decisions also have a ----- element to them—the “right” decision may not be the “best” decision if it is made too early or too late.

Select correct option:

Cost

Quality

Time

None of the given

Decisions also have a time element to them—the “right” decision may not be the “best” decision if it is made too early or too late.

Question # 6 of 10

-----is the ability to encourage by "push or pull" technical people to produce to their best ability.

Select correct option:

Evaluating

Motivation

None of the given

Monitoring

Motivation: The ability to encourage (by "push or pull") technical people to produce to their best ability.

Question # 7 of 10

Unproductive work environment is a
Select correct option:

- Technology-related problems
- Process-related problems
- People-related problems**
- Product-related problems

Unproductive work environment: The work environment is a major factor that affects the productivity of the development team. For example, a noisy or cramped workspace decreases the motivation levels of the employees. Similarly, unfriendly organizational policies also lower the motivation of the team members. As the project manager, you need to ensure that the team is protected from harmful external make the workspace friendly to work in.

Question # 8 of 10

Most software project manager's practice a lot of management techniques that are of doubtful authenticity are called
Select correct option:

- Project management tools
- Project management myths**
- Project management thumb rules
- Project management fundamentals

Project Management Myths

In most cases, you learn the skills required to manage a software project while on the job. As a result, most software project managers practice a lot of management techniques that are of doubtful authenticity. Many software project managers learn about the so-called management skills and concepts that are actually myths.

Question # 9 of 10

Strong leadership motivation may sound an obvious trait for a -----.
Select correct option:

- Leader
- Manager
- Specialist
- None of the given

Strong leadership motivation may sound an obvious trait for a leader. After all, only those who want the weighty responsibilities and grueling pressures of leadership are likely to strive for it.

Question # 10 of

We can classify the problems that affect software projects into _____ categories
Select correct option:

- 3
- 4**
- 5
- 6

You can classify the problems that affect software projects into the following four categories:

- People-related problems
- Process-related problems
- Product-related problems
- Technology-related problems

Question # 1 of 10

Insufficient identification is a
Select correct option:

- Technology-related problems
- Process-related problems**
- People-related problems
- Product-related problems

Question # 2 of 10

Technology-related problems include _____
Select correct option:

- Overestimated savings from reusable components and new tools and methods
- Switching tools in mid way
- Integrating different software products in cross-platform implementation
- All of given**

Question # 3 of 10

What is one of the problems with project management software?
Select correct option:

- The project manager manages the software instead of the project**
- Project duration calculations are sometimes approximate
- You can not override the project management software decisions regarding schedules
- It's expensive and difficult to use

Question # 4 of 10

The check-in and checkout facilities provide _____
Select correct option:
Best control

Component control

SCI control

Synchronization control

Question # 5 of 10

McCall (MCC77) and his colleagues proposed some software quality factors based on most important aspects of a software product:

Select correct option:

Product operation

Product revision and

Product transition

All of the given

Synchronization control helps to ensure that parallel changes performed by two different people do _____.

Select correct option:

<http://s.net/>

Not overwrite one another

Overwrite one another

May overwrite one another

None of given

The code generation step performs the task

Select correct option:

Translated specification into a machine-readable form

Translated design into a machine-readable form

Translated requirements into a machine-readable form

Translated user data into a machine-readable form

Question # 8 of 10

Before requirements can be analyzed, modeled, or specified they must be gathered through a/an _____

Select correct option:

Elicitation process

Interviewing

Meeting

None of given

<http://s.net/>

Question # 9 of 10

The quality of software is said to be high if it meets the

Select correct option:

Standards, defined for the product

Procedures, defined for the product

Standards and procedures, defined for the product

Design defined for product

Question # 10 of 10

A review of the Software Requirements Specification is conducted by _____

Select correct option:

Software developer

Customer

Both the software developer and the customer

Top level management

Question # 1 of 10

The British Standards Institution (1986) has stated the quality as

Select correct option:

- The ability of a software product to satisfy its specified requirements
- "An inherent or distinguishing characteristic or a property"
- **"Quality is in the eye of the beholder, a matter, of the client's judgment."**
- All of the given

The distinguishing characteristics of a software product are the **cyclomatic complexity, cohesion, function points, and lines of code**. These characteristics of a software product define the quality of the product.

- The US DOD (1988) defines software quality rather simply as:
 - The ability of a software product to satisfy its specified requirements.
- The British Standards Institution (1986) has stated that:
 - "Quality is in the eye of the beholder, a matter, of the client's judgment."

Question # 2 of 10

The check-in and checkout facilities provide_____

Select correct option:

- Best control
- Best control
- SCI control

Synchronization control

The check-in and checkout facilities provide synchronization control. Synchronization control helps to ensure that parallel changes

Question # 3 of 10 A baseline version _____

Select correct option:

- Have a short life
- Can be assigned version numbers 3.2
- **Tested and certified version of a system**
- Survive only during bug fixing

Question # 4 of 10

You can use the Item Traceability Matrix to identify _____ at the end of each phase

Select correct option:

- **SCIs**
- SCM
- Design
- Construction

You can use the Item Traceability Matrix to identify SCIs at the end of each phase

Question # 5 of 10

Defined scope is a

Select correct option:

- Technology-related problems
- **Product-related problems**
- Process-related problems
- People-related problems

Question # 6 of 10 (Start time: 09:33:13 AM) Total Marks: 1

Software requirements engineering is a process of all except

Select correct option:

- Discovery
- Refinement
- **Design**
- Specification

Software requirements engineering is a process of discovery, refinement, modeling and specification.

Question # 7 of 10

The model serves as the basis for the creation of _____ for the Software.

Select correct option:

- **Design**
- Maintenance
- Testing
- Specifications

The model serves as a foundation for software design and as the basis for the creation of specifications for the Software.

Question # 8 of 10

Most software project manager's practice a lot of management techniques that are of doubtful authenticity are called

Select correct option:

- Project management tools
- **Project management myths**
- Project management thumb rules
- Project management fundamentals

Question # 9 of 10

The Introduction of the software requirements specification states the

Select correct option:

- Goals
- Objective
- Design
- **Goals and objectives of the software**

Question # 10 of 10

The quality of software is said to be high if it meets the

Select correct option:

- Standards, defined for the product
- **Procedures, defined for the product**
- Standards and procedures, defined for the product
- Design defined for product

Question # 1

Using PERT and CPM, -----, helps you complete a project on time. By using these techniques, you can determine the latest time by when an activity should start to be completed on time

- Individually
- Combine
- **Individually and combine**
- None of the above

Using PERT and CPM, individually or in combination, helps you complete a project on time. By using these techniques, you can determine the latest time by when an activity should start to be completed on time. (P# 296)

Question # 2

Each can be subdivided into sub tasks.

- Program
- **Task**
- Project
- None of the above

Each task can be subdivided into sub tasks. Fro example, in a general software project, a task is to perform project analysis. You may also consider studying the organizational objectives and preparing a project proposal to present to the client. (P# 275)

Question # 3

Predecessor activities need to ----- before the next can begin. After a predecessor activity is completed, the successor activity becomes the predecessor for another activity

- Both start and end
- **End**
- Start
- None

Predecessor activities need to end before the next can begin. After a predecessor activity is completed, the successor activity becomes the predecessor for another activity (P# 297)

Question # 4

Efficiency with which a program runs on different platforms or operating systems is Reusability

- ▶ True
- ▶ **False**

Portability Efficiency with which a program runs on different platforms or operating systems
Reusability Extent to which the program can be used in more than one program or system (P# 121)

Question # 5

Which of the items listed below is not one of the software engineering layers?

- ▶ Process
- ▶ **Manufacturing**
- ▶ Methods
- ▶ Tools

Software engineering layers (P# 130)

Process

A quality focus

Method

Tools

Question # 6

-----is a software engineering task that bridges the gap between system level requirements engineering and software design.

- ▶ Cost Analysis
- ▶ Design analysis
- ▶ Risk analysis
- ▶ **Requirements analysis**

Requirements analysis is a software engineering task that bridges the gap between system level requirements engineering and software design (P# 93)

Question # 7

----- is path finding,----- is path following

▶ **Leadership, Management**

- ▶ Leader, Leadership
- ▶ Management, Leadership
- ▶ Manager, Management

Leadership is path finding

Management is path following

Management is about doing things right

Leadership is about doing the right things (P# 45)

Question # 8

Discrete portions of the project that can be charged to a single organization are called -----

▶ **Work packages**

- ▶ Deliverables
- ▶ Tasks
- ▶ Activities

Work packages are:

Discrete portions of the project that can be charged to a single organization (P# 250)

Question # 9

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

Question # 10

The software quality assurance activity which is performed to check errors in logic, function, or implementation for any representation of the software is called :

- ▶ Inspection
- ▶ **Formal technical review(s)**
- ▶ Walkthrough
- ▶ Auditing

Formal Technical Reviews

One of the most common, yet important, software quality assurance activity performed is FTR.

This activity is performed to check errors in logic, function, or implementation for any representation of the software. (P# 126)

Q 1. All of the following are types of project closures or endings except:

1. Addition
2. Integration
3. Verification

4. Extinction

Q 2. The primary focus of _____ is to ensure that the final software product offers all the functionality and performance that the customer wanted

1. Training test
2. **User acceptance test**
3. Implementation test
4. Support test

The primary focus of user acceptance test is to ensure that the final software product offers all the functionality and performance that the customer wanted. Therefore, the customer tests the software product for issues such as aesthetics, user friendless, and scalability.

Q 3. Technology-related problems include _____

1. Overestimated savings from reusable components and new tools and methods
2. Switching tools in mid way
3. Integrating different software products in cross-platform implementation
4. **All of given**

Technology-related problems

- 1. Overestimated savings from reusable components and new tools and methods:**
- 2. Switching tools in mid way**
- 3. Integrating different software products in cross-platform implementation**

Q 4. Most software project manager's practice a lot of management techniques that are of doubtful authenticity are called

1. Project management tools
2. **Project management myths**
3. Project management thumb rules
4. Project management fundamentals

Project Management Myths

In most cases, you learn the skills required to manage a software project while on the job. As a result, most software project managers practice a lot of management techniques that are of doubtful authenticity. Many software project managers learn about the so-called management skills and concepts that are actually myths.

Q 5. Ineffective project sponsorship by management is a

1. Technology-related problems
2. Process-related problems
3. **People-related problems**
4. Product-related problems

People-related problems are

- Low motivation
 - Problem employees
 - Unproductive work environment
 - Inefficient project management style:
 - Lack of stakeholder interest
- Ineffective project sponsorship by management

Q 6. Unproductive work environment is a

1. Technology-related problems
 2. Process-related problems
 3. **People-related problems**
- Product-related problems

People-related problems are

- Low motivation
 - Problem employees
 - Unproductive work environment
 - Inefficient project management style:
 - Lack of stakeholder interest
- Ineffective project sponsorship by management

Q 7. Before requirements can be analyzed, modeled, or specified they must be gathered through a/an _____

1. **Elicitation process**
- Interviewing
 - Meeting
 - None of given

Requirements Elicitation for Software

Before requirements can be analyzed, modeled, or specified they must be gathered through an elicitation process. A customer has a problem that may be amenable to a computer-based solution. A developer responds to the customer's request for help.

Q 8 . _____ of the system is an effort to better understand data and control flow, functional processing, operational behavior, and information content

1. Specifications
2. Design
3. **Model**

4. Evaluation and Synthesis

During the evaluation and solution synthesis activity, the analyst creates models of the system in an effort to better understand data and control flow, functional processing, operational behavior, and information content.

Q 9 Both the software engineer and customer take an active role in software requirements engineering-a set of activities that is often referred to as

1. **Analysis**
 - Specification
 - Design
 - System acceptance

Both the software engineer and customer take an active role in software requirements engineering-a set of activities that is often referred to as *analysis*.

Q 10. A review of the Software Requirements Specification is conducted by _____

1. Software developer
2. Customer
3. **Both the software developer and the customer**
- Top level management

Question No: 6 (Marks: 2) - Please choose one

The nature of software applications can be characterized by their information

- ▶ complexity
- ▶ content
- ▶ determinacy
- ▶ **content and determinacy**

Question No: 7 (Marks: 2) - Please choose one

The software quality assurance activity which is performed to check errors in logic, function, or implementation for any representation of the software is called :

- ▶ Inspection
- ▶ **Formal technical review(s)**
- ▶ Walkthrough
- ▶ Auditing

Question No: 8 (Marks: 2) - Please choose one

Which of the items listed below is not one of the software engineering layers?

- ▶ Process
- ▶ **Manufacturing**
- ▶ Methods
- ▶ Tools

Question No: 9 (Marks: 2) - 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**

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

The requirements phase precedes the design phase

- ▶ **True**
- ▶ False

Question No: 11 (Marks: 2) - Please choose one

Software engineers do not need to consider hardware when designing a computer-based system

- ▶ True

▶ False

Question No. 1 Marks : 2

The first activity in risk analysis is risk management.

True

False

During the Implementation phase the software modules are coded and initial unit tests are performed.

True

False

Question No. 5 Marks : 2

Both the software engineer and customer take an active role in software requirements engineering-a set of activities that is often referred to as Requirement

Managing

Recognition

Analysis

Modeling

Question No. 1 Marks : 1

Which one the following components are purchased from a third party, are ready for use on the current project and have been fully validated?

Software

Off – the – shelf

Hardware

Microsoft

Question No. 2 Marks : 1

----- refers to the quantifiable outcome of the software project.

Schedule

Effort

Size

Resource

Question No. 3 Marks : 1

Function Points are language dependent approach to estimating software development effort.

True

False

Question No. 4 Marks : 1

Adding more people to a project that is already behind schedule is a good way to catch up.

True

False

Question No. 8 Marks : 1

Discrete portions of the project that can be charged to a single organization are called -----

Work packages

Deliverables

Tasks

Activities

Question No. 9 Marks : 1

The ----- decomposition of a software project is a division of the system into its operational components as they are seen by the user.

Design

Functional

Project

planning

Question No. 10 Marks : 1

Efficiency with which a program runs on different platforms or operating systems is called -----

Configurability

Reusability

Interoperability

portability

Question No. 11 Marks : 1

Ease with which a program is tested is called -----

Flexibility

Testability

- ☒ Maintainability
- ☒ Reusability

Cost, effort, risks, and resources are the factors included in-----

- ▶ **Estimation**
- ▶ Testing
- ▶ Development
- ▶ Maintenance

Extent to which the program can be used in more than one program or system is called -----

- ▶ Portability
- ▶ **Reusability**
- ▶ Interoperability
- ▶ Configurability

The nature of software applications can be characterized by their information

- ▶ **complexity**
- ▶ content
- ▶ determinacy
- ▶ content and determinacy

The software quality assurance activity which is performed to check errors in logic, function, or implementation for any representation of the software is called :

- ▶ Inspection
- ▶ **Formal technical review(s)**
- ▶ Walkthrough

▶ Auditing

Which of the items listed below is not one of the software engineering layers?

▶ Process

▶ Manufacturing

▶ Methods

▶ Tools

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

The requirements phase precedes the design phase

▶ True

▶ False

Software engineers do not need to consider hardware when designing a computer-based system

▶ True

▶ False

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

Which organization has set the de facto standards for project management techniques?

? PMB

? PMI

? PMA

? PMO

Question No. 1 Marks : 1

Which one the following components are purchased from a third party, are ready for use on the current project and have been fully validated?

- Software**
- Off – the – shelf
- Hardware
- Microsoft

Question No. 2 Marks : 1

----- refers to the quantifiable outcome of the software project.

- Schedule
- Effort
- Size**
- Resource

Question No. 3 Marks : 1

Function Points are language dependent approach to estimating software development effort.

- True
- False**

Question No. 4 Marks : 1

Adding more people to a project that is already behind schedule is a good way to catch up.

- True
- False**

Question No. 8 ks : 1

Discrete portions of the project that can be charged to a single organization are called -----

- Work packages**
- Deliverables
- Tasks
- Activities

Marks : 1

The ----- decomposition of a software project is a division of the system into its operational components as they are seen by the user.

- Design
- Functional**
- Project
- planning

Question No. 10 Marks : 1

Efficiency with which a program runs on different platforms or operating systems is called -----

- Configurability
- Reusability
- Interoperability
- Portability**

Question No. 11 Marks : 1

Ease with which a program is tested is called -----

- Flexibility
- Testability**
- Maintainability
- Reusability

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

_____ identifying which quality standards are relevant to the project and determining how to satisfy them.

- ▶ **Quality Planning**
- ▶ Communications Planning
- ▶ Organization Planning

- ▶ Staff Acquisition

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

These all are outputs of Initiating Process except

- ▶ Project Manager Assignments
- ▶ Constraints
- ▶ **Selection Criteria**
- ▶ Assumptions

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

Project management processes can be organized into _____ groups

- ▶ Four
- ▶ **Five**
- ▶ Six
- ▶ Seven

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

Product quality depends on its conformance to _____

- ▶ Software requirements

- ▶ Development standards
- ▶ implicit requirements

- ▶ **All of given**

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

_____ is the technical kernel of software engineering

- ▶ **Design**
- ▶ Implementation
- ▶ Requirements analysis

- ▶ Testing

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

Mode of specification has a great impact on quality of solution. Forcing SWE to work with incomplete, inconsistency, or misleading specifications result in frustration and confusion affecting:

- ▶ Quality
- ▶ Timeliness and
- ▶ Completeness of SW product

- ▶ All of given

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

Finally, the specification includes a _____

- ▶ Bibliography
- ▶ Appendix
- ▶ **Both Bibliography and Appendix**
- ▶ Reference

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

Cognitive model describes a system as perceived by its _____

- ▶ **User community**
- ▶ Developer
- ▶ Top level management
- ▶ Manager

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

A review of the *Software Requirements Specification* is conducted by

- ▶ Software developer
- ▶ Customer
- ▶ **Both the software developer and the customer**
- ▶ Top level management

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

A meeting is conducted at a _____ and attended by both software engineers and customers.

- ▶ Software engineer site
- ▶ **Neutral site**
- ▶ Customer site
- ▶ Company site

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

The model serves as the basis for the creation of _____ for the Software.

- ▶ Design
- ▶ Maintenance
- ▶ Testing
- ▶ **Specifications**

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

Throughout evaluation and solution synthesis, the analyst's primary focus is on

▶ "What, not "how."

▶ Model

▶ Evaluation and Synthesis

▶ Specification

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

In problem evaluation area of effort, once problems have been identified, the _____ determines what information is to be produced by the new system and what data will be provided to the system.

▶ Analyst

▶ Designer

▶ Coder

▶ Manager

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

Requirements are refined and analyzed to assess their clarity, completeness, and _____

▶ Correctness

▶ Consistency

▶ Concurrency

None of given

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

A software project that meets all the stated objectives is a success of _____

- ▶ Project quality
- ▶ Project fundamental purpose
- ▶ **Project management myth**
- ▶ Project requirement

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

All of the following describe the activity list except:

- ▶ It's an extension of the WBS
- ▶ It include all activities of the project
- ▶ **It describe the WBS update**
- ▶ It include a description of project activities

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

Software project are carried out sequentially and that each phase is completed before the next is taken up.

- ▶ The Prototyping Model
- ▶ The Incremental Model

▶ The Waterfall model

▶ The Spiral model

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

Project management is a _____of constant communication and negotiation.

▶ Process

▶ Concept

▶ Practice

▶ None of given

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

These all are design phase activities except

▶ Output Design

▶ Input Design

▶ The software test plan

▶ Software Selection

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

Which organization has set the de facto standards for project management techniques?

▶ PMBOK

▶ PMI

▶ PMA

▶ PMO