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A _____ is a software configuration management concept that helps us to control change without seriously Impending justifiable change

- ☒ Baseline
- ☐ Bottomline
- ☐ Prototype

An Insight to Object Analysis and Design - A043

The _____ phase identifies the independent threads of control and maps them to the design elements.

- ☐ Design
- ☐ Analysis
- ☐ Initial
- ☒ Concurrency

An Insight to Object Analysis and Design • A043

_____ helps to visualize, specify, construct and document models.

- ☐ Markup
- ☐ Use-case
- ☐ Document
- ☒ UML

An Insight to Object Analysis and Design • A043

Which of the following techniques are used as dynamic models?

1. Collaboration Diagrams
2. Collaboration Diagrams
3. State Transition Diagrams
4. Event Traces

- ☐ 1,2,4
- ☒ 1,2,3,4
- ☐ 2,3
- ☐ 1,3,4

An Insight to Object Analysis and Design • A043

Which of the following are the types of relationships in UML? (Choose 3 Correct Answers)

- ☒ Association
- ☒ Aggregation
- ☒ Composition

☐ Differentiation

An Insight to Object Analysis and Design • A043

Which of the following are the advantages of VP-UML?

- ☐ VP-UML generates a cost-effective, reliable, scalable, and high-performance object to rational mapping layer.
- ☐ VP-UML IS capable of generating C and persistent code.
- ☐ VP-UML increases the productivity and significantly reduces the risk of developing the artifacts of a system manually

An Insight to Object Analysis and Design • A043

Sequence diagrams have which of the following notations?

1. A vertical solid line called the Lifeline shows the object's existence during the interaction
2. An object is drawn at the head of the lifeline as well as shows the name of the object and its class separated by a colon and underlined.
3. A message is shown as a horizontal solid arrow from the lifeline of one object to the lifeline of another object

- ☐ 1,2
- ☒ 2,3
- ☐ 1,3
- ☐ 1,2,3

Software Project Management (MS Project)2010-A443

A _____ is represented as a task of zero duration showing an important achievement

- ☒ Milestone
- ☐ Schedule
- ☐ Project Phase
- ☐ Tracker

Software Project Management (MS Project)2010-A443

_____ is the default view that is displayed on opening an MS Project file.

- ☐ Resource view
- ☒ Task view
- ☐ Design view
- ☐ Project view

Software Project Management (MS Project)2010-A443

The first step after creating a project file is _____.

- ☐ Defining summary tasks
- ☐ Entering major tasks and subtasks
- ☒ Crating a WBS
- ☐ Establishing project information

Software Project Management (MS Project)2010-A443

A _____ is a collection of subtasks grouped within summary tasks.

- ☒ Project Outline
- ☐ Project Summary
- ☐ Project Subtask
- ☐ Summary Subtask

Software Project Management (MS Project)2010-A443

Microsoft Project Plan Import Export Template contains _____ worksheets.

- ☐ one
- ☐ Two
- ☐ Three
- ☒ Four

Software Project Management (MS Project)2010-A443

When assigning resources to a recurring task, make sure to assign resources to _____.

- ☒ Individual recurrences
- ☐ Summary level recurrences
- ☐ Group recurrences
- ☐ Resource cannot be assigned to a recurring task

Software Project Management (MS Project)2010-A443

When a task is created in MS Project and set to Auto Scheduled, by default the _____ constraint is selected.

- ☐ Finish No Earlier Than
- ☐ Must Finish On
- ☒ As Soon As Possible
- ☐ Start No Later Than

Software Project Management (MS Project)2010-A443

Cost performance is the difference between earned value and _____.

- ☐ Total value
- ☐ Planned value
- ☒ Actual cost
- ☐ Project cost

Software Project Management (MS Project)2010-A443

Which of the following tab is used to Insert an existing graphics file to a report in the Task Information dialog box?

- ☐ General
- ☐ Predecessors
- ☐ Advanced
- ☒ Notes

Quality Assurance, Verification Testing - A446

_____ test case design is based on splitting the Inputs and the outputs of the software.

- ☒ Equivalence partitioning
- ☐ Specification derived tests
- ☐ Boundary value
- ☐ State transitioning

Quality Assurance, Verification Testing - A446

Error guessing is based on _____.

- ☐ Data values
- ☒ Experience
- ☐ User specifications
- ☐ Boundary values

Quality Assurance, Verification Testing - A446

_____ test cases are based on the user requirements.

- ☒ Boundary values
- ☐ Data values
- ☐ User specifications
- ☐ Experience

Quality Assurance, Verification Testing - A446

Identify the statement that explains positive testing.

- ☐ Test cases are designed to show that the software does not do anything that it is not specified to do.
- ☒ Test cases are designed to show that the unit under test does what It is supposed to do.
- ☐ Test cases are designed to address issues such as performance, safety requirements, and security requirements.
- ☐ Test cases are designed to show that all the branches are working.

Quality Assurance, Verification Testing - A446

Identify the test strategy used to verify if the client requirements are met.

- ☒ Acceptance testing
- ☐ System testing
- ☐ Integration testing
- ☒ Unit testing

Quality Assurance, Verification Testing - A446

Identify the components of a test plan.

- ☐ Testing team
- ☒ Analyze requirements
- ☐ Test completion criteria
- ☐ Particular test cases to be used

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Software cost forms the major component of a computer system's cost Software is currently extremely expensive to develop and is often unreliable.

- ☒ TRUE
- ☐ FALSE

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The size of software is usually measured in terms of _____.

- ☐ DOLC
- ☒ DLOC
- ☐ CLOC

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The Intent of software engineering is to produce a framework for building higher quality software.

- ☒ TRUE
- ☐ FALSE

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Which of the following phase focus on building models which unambiguously determine the problem for which a software solution is being constructed?

- ☐ Requirement Specifications
- ☒ Analysis
- ☐ Designs

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Which of the following testing attempts to verify that protection mechanisms built into a system will, in fact, protect it from improper usage and unauthorized access? It ensures adherence to restrictions on command usage, access to data, and access requirements according to associated privileges

- ☐ unit Testing
- ☐ Recovery Testing
- ☐ System Testing
- ☒ Security Testing

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Cohesion refers to the strength of the relationship between elements of the same module in a system

- ☒ TRUE
- ☐ FALSE

The goal of any engineering activity is to build a _____

- Software
- Output
- ☒ Product
- Machine

Which of the following analysis relates to the functions and sub-functions to be performed by the system?

- Performance
- Design
- Program
- ☒ Functional

_____ is also called as Quality Assurance.

- Coding
- ☒ Testing
- Design
- Implementation

Which type of testing consumes lot of time?

- Component
- Functional
- ☒ Stress and Regression
- Unit

The model is the simulation of the real project requirements under development.

- ☒ Waterfall

- Prototype
- Verification and Validation
- Spiral

The classical life cycle refers to model.

- Incremental
- Linear sequential
- Aspect-oriented
- Rapid development

Identify which of the following statements correctly identify the objectives to be considered while conducting system analysis. (multiple options)

☒ Identification of customer needs.

☒ Establishing cost and schedule constraints.

☐ System evaluation for work load.

☐ Creating a system design.

Which of the following activities are to be performed during the implementation phase in SDLC? (multiple options)

☒ Creation of an installation plan.

☒ Implementation of physical procedures.

☐ Running the scheduler of project.

☐ Implementation of legal procedures.

Which of the following is not one of the phase defined by the Agile Unified Process for software development?

- Inception Phase
- Elaboration Phase
- Construction Phase
- Validation Phase

In _____, the old system is replaced with the new system.

- Pilot approach
- Direct cutover
- Phased approach
- Parallel run

In _____, the new system is implemented in one part of the organization.

- Parallel run

- Phased approach
- Direct cutover
- Pilot approach

----- *of the application determines the contingency plan.*

- Software Requirements Specifications
- Requirement Specifications
- Criticality
- Design Process

Expanded form of OOD is

- Object Oriented Debugging
- Object Oriented Design
- Object Oriented Data
- Object Oriented Development

Expanded form of SSAD is

- Structured Systems Analysis and Design
- Structured Software Analysis and Design
- Structured Systems Analysis and Development
- Structured Software Analysis and Development

In OOD, ----- metric is used to measure the complexity and number of methods within a class.

- Number of children
- Response for a class
- Weighted methods per class
- Depth of inheritance tree

Which of these metrics in OOD is used to measure the number of immediate specializations for a given class?

- Number of children
- Response for a class
- Weighted methods per class
- Depth of inheritance tree

When scheduling Object-Oriented projects, major iterations means ----- months of iterative work.

- 1-2

- 2-3
- 4-5
- 5-6

----- *tools are used to test a program when it is not in execution.*

- Path tracer
- Variable tracer
- Static
- Dynamic

Identify the toolkits that help the software engineer build a model of the system.

- Analysis toolkit
- Design toolkit
- Project management toolkit
- Maintenance toolkit

----- *is used to gather sensitive information, disrupt computer operation, or gain access to unauthorized computer systems.*

- Malicious software
- Hardware
- Operating system
- Internet Protocol

The installation of Trojan viruses is done by

- Dropper
- Spyware
- Downloader
- Logic bomb

What does XML describe?

- data
- formatting
- styles
- server-side scripting

Which layer of Web Application has the components which are present on a server machine to help assisting in resource sharing?

- Presentation Tier
- Business Logic Tier
- Database Tier
- Enterprise Information Tier

Increasing the number of resources of a task will the duration and decreasing the resources will the duration of the task.

- Increase, Decrease
- Decrease, Decrease
- Decrease, Increase
- Increase, Increase

Which of the following task types MS Project does not considered as effort-driven tasks by default?

- ☐ Fixed duration
- ☐ Fixed work
- ☒ Fixed units
- ☐ Fixed time

MS Project 2010 comes with a unique feature of saving a project baseline data up to _____ times during the project life cycle.

- 6
- 10
- 11
- 15

Which of the following are elements of the custom groups?

- ☐ Field type
- ☐ Field name
- ☐ Order
- ☐ Field group

Which of the following leveling order delays or splits the task with the highest ID number in the project?

- Standard
- ID Only
- Priority
- Priority, Standard

Which of the following tracking method is useful if managers want to present in their weekly status meeting, the work hours and costs put in during that week?

- Task-total
- Task-timephased
- Assignment-total
- Assignment-timephased

Cost performance is the difference between earned value and

- Total value
- Planned value
- Actual cost
- Project cost

Which of the following tab is used to insert an existing graphics file to a report in the Task information dialog box?

- General
- Predecessors
- Advanced
- Notes

-----**determines the time spent in various parts of the unit.**

- Functional test
- Structure test
- **Stress test**
- Performance test

-----**determines if passing a large amount of data breaks the system or not.**

- Performance test
- Functional test
- Structure test
- Stress test

What is positive testing?

- ☐ Positive testing demonstrates that unit under test does what it is supposed to do.
- ☐ Positive testing demonstrates that unit under test does not do anything that it is not supposed to do.
- ☐ Each test case should test one or more statements or specifications.
- ☐ Positive testing demonstrates that unit under test does not do what it is supposed to do.

Which of these are characteristics of a process that is classified to be at Level 3 of the SEI SW-CMM?

- ☐ Organizational process improvement procedures are implemented
- ☐ Regular training programs are conducted
- ☐ process measurement activities are performed
- ☐ Inter-group coordination is well defined and implemented

In which of the following situation, any two tasks can become a predecessor-successor pair?

- When they both auto scheduled.
- When they have a timing relationship between them.
- When they share resources between them. 0 One cannot start before another finishes.

Which of the following statement is correct about task calendar?

- It is used for all scheduling calculations in MS Project
- It is used to create calendars with specific scheduling requirements for a particular task.
- It is used to configure specific work times and workdays at project level in a calendar C
- It is customized for specific scheduling requirements for individual resource groups.

_____provides systematic, disciplined, and quantifiable approach to the software development.

- Software
- Software Engineering
- Software Development Life Cycle
- Software Analysis

The fundamental objectives of software process are and

- Design and Analysis
- Operation and Maintenance
- Predictability and Testability
- Optimality and Scalability

1 Which of the following describes how software communicates with systems that interoperate within it and with people who use it?

- a. Component-level design
- b. Interface design**
- c. Architectural design

2 Encapsulation is a process where by we can identify the important aspects of any event or fact and ignore its details.

- a. TRUE
- b. FALSE**

3 The simplest data structures a -----It represents a single element of information.

- a. Sequential vector
- b. Scalar item
- c. Coupling

4 Which of the following refers to the strength of the relationship between modules in a system?

- a. Sequential vector
- b. Scalar item
- c. Coupling

5 Which of the following coupling involves passing control flags between modules so that one module controls the sequence of processing steps in another module?

- a. Content coupling
- b. Common coupling
- c. Control coupling
- d. Stamp coupling

6 In which kind of coupling, modules are bound together by global data structures?

- a. Content coupling
- b. Common coupling
- c. Control coupling
- d. Stamp coupling

7 is the same type of coupling as indicated under data coupling; the main difference being that composite or group data is passed across modules in stamp coupling, while elementary data was passed in data coupling.

- a. Content coupling
- b. Common coupling
- c. Control coupling

d. Stamp coupling

8 In which kind of coupling, modules are bound together by global data structures?

- a. Content coupling
- b. Common coupling
- c. Control coupling
- d. Stamp coupling

9 Cohesion refers to the strength of the relationship between elements of the same module in a system.

- a. TRUE
- b. FALSE

10 Configuration management is the discipline that systematically monitors and controls the changes that take place during the development process within an organization.

- a. TRUE
- b. FALSE

11 A _____ is a software configuration management concept that helps us to control change without seriously impeding justifiable change.

- a. Baseline
- b. Bottom-line
- c. Prototype

12 A _____ executes in its own memory space and encapsulates and protects its internal structure.

- a. Property
- b. Method
- c. Process

13 Which of the following statements about object diagrams are correct?

1. Object diagrams can be used to check whether the system has been designed as per requirements.
2. Object diagrams can be used to show how the system behaves as per the business functional ty needs.
3. Object diagrams can be used as a means of debugging a system's functionality.
4. Object diagrams show relationships between objects as normal associations.

- a. 2, 3,4
- b. 1,2,3, 4
- c. 1, 4
- d. 2, 3

14 The pattern is used when there must be exactly one instance of a class, and it must be accessible to clients from a well-known access point.

- a. Singleton
- b. Multidimensional
- c. Process
- d. Thread

15 The diagram shows a complete or partial view of the structure of a modeled system at a specific time.

- a. Activity
- b. Class
- c. Object
- d. link

16 Which of the following statements are advantages of VP-UML?
(Choose 3 Correct Answers)

- a. It generates a cost-effective, reliable, scalable and high-performance object to relational mapping layer.
- b. It is capable of generating COBOL and BASIC persistent code.
- c. It is designed for a wide range of users, including software engineers, system analysts, business analysts and system architects.
- d. It increases the productivity and significantly reduces the risk of developing the artifacts of a system manually.

17 Use Case model serves as a contract between which of the following?

1. The customer
2. The users
3. Use Case
4. The system developers

- a. 1, 2, 3
- b. 2, 3, 4
- c. 1, 2, 4
- d. 1, 2, 3, 4

18 A _____ is represented as a task of zero duration showing an important achievement

- a. Milestone
- b. Schedule
- c. Project Phase
- d. Tracker

19 What are the purposes of a Use Case analysis?

1. Identify the classes which perform a Use Case's flow of events.
 2. Distribute the Use Case behavior to those classified
 3. Identify the responsibilities, attributes and associations of the classes.
- a. 3
 - b. 1, 2, 3

20 The -----identifies the list of people who must attend the project closure meeting and schedules the meeting based on their availability.

- a. Team lead
- b. Team members
- c. Senior management
- d. Project manager

21 _____ is the default view that is displayed on opening an MS Project file.

- a. Resource view
- b. Task view

- c. Design view
- d. Project view

22 Which of the following are editions of MS Project 2010?

- a. MS Project Standalone 2010
- b. MS Project Standard 2010
- c. Project Commercial 2010
- d. MS Project Professional 2010

23 MS Project 2010 comes with a unique feature of saving a project baseline data up to times during the project life cycle.

- a. 6
- b. 10
- c. 11
- d. 15

24 Calendars can be shared across all projects using the feature in MS Project 2010.

- a. Sharing
- b. Organizer
- c. Control Center
- d. Custom Control

25 The first step after creating a project file's -----

- a. Defining summary tasks
- b. Entering major tasks and subtasks
- c. Crating a WBS
- d. Establishing project information

26 Which of the following leveling order delays or splits the task with the highest ID numbering the project?

- a. Standard
- b. ID Only
- c. Priority
- d. Priority, Standard

27 Which of the following are elements of the custom groups?

- a. Field type
- b. Field name
- c. Order
- d. Field group

28 Cost performance is the difference between earned value and

- a. Total value
- b. Planned value
- c. Actual cost
- d. Project cost

29

Which of the following tab is used to insert an existing graphics file to a report in the Task information dialog box?

- a. General
- b. Predecessors
- c. Advanced
- d. Notes

30 By default, Gantt Charts in MS Project follow a color scheme for the taskbars.

- a. Green
- b. Blue
- c. orange
- d. Red

31 _____ is the process of isolating and correcting the causes of known errors.

- a. Control structure test
- b. Debugging
- c. System test
- d. Basis path test

32 is the testing of the integrated hardware and software system to verify that the system meets its specified requirements.

- a. Debugging
- b. Control structure test
- c. Basis path test
- d. System test

33 In Regression testing, -----are caused due to shared data.

- a. Performance deficiencies
- b. Resource contention error
- c. Data corruption error
- d. Control sequencing error

34 Identify the test that is designed to intent on ally break the unit.

- a. Performance test
- b. Stress test
- c. Structure test
- d. Functional test

35 In ___ individual units are tested by using them from the units that call them.

- a. Bottom up testing
- b. Integrate on testing
- c. Top down testing
- d. Isolate on test ng

36 Identify the expected properties of the Software Requirements Specification Document.

- a. Correct
- b. Complete
- c. Specify the process to implement solution
- d. Easily changeable

37 Which of these are questions to be answered when developing a test strategy?

- a. Is there a requirements for a formal plan for testing?
- b. Should the entire program be tested of only a part of it?
- c. Should the entire design be tested or only a part of it?

d. When should the customer be involved?

38

SI NO	Left Column	SI NO	Right Column	
A1	Start-to-Finish	B 1	The predecessor task must complete before the successor task start	<input type="radio"/> B1 <input type="radio"/> B2 <input checked="" type="radio"/> B3 <input type="radio"/> B4
A2	Start-to-Start	B 2	Exists when two task must finish at the same time	<input type="radio"/> B1 <input type="radio"/> B2 <input type="radio"/> B3 <input checked="" type="radio"/> B4
A3	Finish-to-Start	B 3	The successor task must finish only after the predecessor task start	<input checked="" type="radio"/> B1 <input type="radio"/> B2 <input type="radio"/> B3 <input type="radio"/> B4
A4	Finish-to-Finish	B 4	Exists when either two task start simultaneously or the second task begins immediately after the first task	<input type="radio"/> B1 <input checked="" type="radio"/> B2 <input type="radio"/> B3 <input type="radio"/> B4

39 Which of the following are ways to create resource list in MS Project?

- a. Resource Informant on dialog box
- b. Importing resources from MS Outlook
- c. Resource Sheet view
- d. Importing and Exporting resources from MS Outlook and Excel

40 An Entity-Relationship diagram identifies a number of components such as data objects. Attributes. Relationships and various type-indicators.

- a. TRUE
- b. FALSE

41. Which of the following defines the relationship among the major structural elements of the program?

- a. Component-level design
- b. Interface design
- c. Architectural design