

ch02 software engineering

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

A.Process B.Manufacturing C.Methods D.Tools

参考答案 B

Software engineering umbrella activities are only applied during the initial phases of software development projects. ()

A.True B.False

参考答案 B

Which of these are the 5 generic software engineering framework activities? ()

A.communication, planning, modeling, construction, deployment B.communication, risk management, measurement, production, reviewing C.analysis, designing, programming, debugging, maintenance D.analysis, planning, designing, programming, testing

参考答案 A

Planning ahead for software reuse reduces the cost and increases the value of the systems into which they are incorporated. ()

A.True B.False

参考答案 A

The essence of software engineering practice might be described as understand the problem, plan a solution, carry out the plan, and examine the result for accuracy. ()

A.True B.False

参考答案 A

In agile process models the only deliverable work product is the working program. ()

A.True B.False

参考答案 B

A most software development projects are initiated to try to meet some business need. ()

A.True B.False

参考答案 A

In general software only succeeds if its behavior is consistent with the objectives of its designers. ()

A.TrueB.False

参考答案 B

ch03 software process structure

Which of the following are recognized process flow types? ()

A.Concurrent process flowB.Iterative process flowC.Linear process flowD.Spiral process flowE.both b and c

参考答案 E

The communication activity is best handled for small projects using six distinct actions (inception, elicitation, elaboration, negotiation, specification, validation). ()

A.TrueB.False

参考答案 B

A good software development team always uses the same task set for

every project to insure high quality work products. ()

A.TrueB.False

参考答案 B

Software processes can be constructed out of pre-existing software patterns to best meet the needs of a software project. ()

A.TrueB.False

参考答案 A

Which of these are standards for assessing software processes? ()

A.SEIB.SPICEC.ISO 9000D.ISO 9001E.both b and d

参考答案 E

ch04 process models

The waterfall model of software development is ()

A.A reasonable approach when requirements are well defined.B.A good approach when a working program is required quickly.C.The best approach to use for projects with large development

teams.D.An old fashioned model that is rarely used any more.

参考答案 A

The incremental model of software development is ()

A.A reasonable approach when requirements are well defined.B.A good approach when a working core product is required quickly.C.The best approach to use for projects with large development teams.D.A revolutionary model that is not used for commercial products.

参考答案 B

Evolutionary software process models ()

A.Are iterative in nature.B.Can easily accommodate product requirements changes.C.Do not generally produce throwaway systems.D.All of the above.

参考答案 D

The prototyping model of software development is ()

A.A reasonable approach when requirements are well defined.B.A useful approach when a customer cannot define requirements

clearly.C.The best approach to use for projects with large development teams.D.A risky model that rarely produces a meaningful product.

参考答案 B

The spiral model of software development ()

A.Ends with the delivery of the software product.B.Is more chaotic than the incremental model.C.Includes project risks evaluation during each iteration.D.All of the above.

参考答案 C

The concurrent development model is ()

A.Another name for concurrent engineering.B.Defines events that trigger engineering activity state transitions.C.Only used for development of parallel or distributed systems.D.Used whenever a large number of change requests are anticipated.E.Both a and b

参考答案 E

The component-based development model is ()

A.Only appropriate for computer hardware design.B.Not able to support the development of

reusable components.C.Dependent on object technologies for support.D.Not cost effective by known quantifiable software metrics.

参考答案 C

The formal methods model of software development makes use of mathematical methods to ()

A.Define the specification for computer-based systems.B.Develop defect free computer-based systems.C.Verify the correctness of computer-based systems.D.All of the above.

参考答案 D

Which of these is not one of the phase names defined by the Unified Process model for software development?

()

A.Inception phaseB.Elaboration phaseC.Construction phaseD.Validation phase

参考答案 D

Which of these is not a characteristic of Personal Software Process? ()

A.Emphasizes personal measurement of work product.B.Practitioner requires careful supervision by the project manager.C.Individual practitioner

is responsible for estimating and scheduling.D.Practitioner is empowered to control quality of software work products.

参考答案 B

Which of these are objectives of Team Software Process? ()

A.Accelerate software process improvementB.Allow better time management by highly trained professionalsC.Build self-directed software teamsD.Show managers how to reduce costs and sustain qualityE.Both b and c

参考答案 E

Process technology tools allow software organizations to compress schedules by skipping unimportant activities. ()

A.TrueB.False

参考答案 B

It is generally accepted that one cannot have weak software processes and create high quality end products. ()

A.TrueB.False

参考答案 A

ch05 agile development

Agility is nothing more than the ability of a project team to respond rapidly to change. ()

A.TrueB.False

参考答案 B

Which of the following is not necessary to apply agility to a software process? ()

A.Eliminate the use of project planning and testingB.Only essential work products are producedC.Process allows team to streamline tasksD.Uses incremental product delivery strategy

参考答案 A

How do you create agile processes to manage unpredictability? ()

A.Requirements gathering must be conducted very carefullyB.Risk analysis must be conducted before planning takes placeC.Software increments must be delivered in short time periodsD.Software processes must adapt to changes incrementallyE.Both c and d

参考答案 E

In agile software processes the highest priorities is to satisfy the customer through early and continuous delivery of valuable software. ()

A.TrueB.False

参考答案 A

In agile development it is more important to build software that meets the customers' needs today than worry about features that might be needed in the future. ()

A.TrueB.False

参考答案 A

What are the four framework activities found in the Extreme Programming process model? ()

A. analysis, design, coding, testingB. planning, analysis, design, codingC. planning, analysis, coding, testingD. planning, design, coding, testing

参考答案 D

All agile process models conform to a greater or lesser degree to the

principles stated in the ?Manifesto for Agile Software Development?. ()

A.TrueB.False

参考答案 A

Which is not one of the key questions that is answered by each team member at each daily Scrum meeting? ()

A.What did you do since the last meeting?B.What obstacles are you creating?C.What is the cause of the problem you are encountering?D.What do you plan to accomplish be the next team meeting?

参考答案 B

The Dynamic Systems Development Method suggests a philosophy that is based on the Pareto principle. ()

A.TrueB.False

参考答案 A

Agile Modeling provides guidance to practitioner during which of these software tasks ()

A. AnalysisB. DesignC. CodingD. TestingE. Both a and b

参考答案 E

Agile Unified Process uses the classic UP phased activities (inception, elaboration, construction, transition) to help the team visualize the overall process flow. ()

A.TrueB.False

参考答案 A

ch08 modeling-scenario

Which of these is not an element of a requirements model? ()

A.Behavioral elementsB.Class-based elementsC.Data elementsD.Scenario-based elements

参考答案 C

Which of the following is not an objective for building a requirements model? ()

A.define set of software requirements that can be validatedB.describe customer requirementsC.develop an abbreviated solution

for the problemD.establish basis for software design

参考答案 C

Creation and refinement of use cases if an important part of scenario-based modeling. ()

A.TrueB.False

参考答案 A

It is important to consider alternative actor interactions when creating a preliminary use case. ()

A.TrueB.False

参考答案 B

Brainstorming is one technique that may be used to derive a complete set of use case exceptions. ()

A.TrueB.False

参考答案 A

In many cases there is no need to create a graphical representation of a usage scenario. ()

A.TrueB.False

参考答案 A

activity diagrams are useful in representing which analysis model elements? ()

A.Behavioral elementsB.Class-based elementsC.Flow-based elementsD.Scenario-based elements

参考答案 D

swimlane diagrams allow you to represent the flow of activities by showing the actors having responsibility for creating each data element. ()

A.TrueB.False

参考答案 B

ch09 modeling-class

Which of the following should be considered as candidate objects in a problem space? ()

A.EventsB.PeopleC.StructuresD.all of the above

参考答案 D

In the grammatical parse of a processing narrative the nouns

become object candidates in the analysis model. ()

A.TrueB.False

参考答案 A

Attributes are chosen for an object by examining the problem statement and identifying the entities that appear to be related. ()

A.TrueB.False

参考答案 B

Which of the following is not one of the broad categories used to classify operations? ()

A.ComputationB.data manipulationC.event monitorsD.transformers

参考答案 D

Collaborators in CRC modeling are those classes needed to fulfill a responsibility on another card. ()

A.TrueB.False

参考答案 A

Which of the following items does not appear on a CRC card? ()

A.class collaboratorsB.class nameC.class

reliabilityD.class responsibilities

参考答案 C

Class responsibilities are defined by ()

A.its attributes onlyB.its collaboratorsC.its operations onlyD.both its attributes and operations

参考答案 D

An analysis package involves the categorization of analysis model elements into useful groupings. ()

A.TrueB.False

参考答案 A

ch10 modeling-behavior

The behavior modeling is only used in the analysis of real-time systems. ()

A.TrueB.False

参考答案 B

For purposes of behavior modeling an event occurs whenever ()

A.state and process exchange information.B.the system an actor exchange information.C.two actors exchange information.D.two objects exchange information.

参考答案 B

For purposes of behavior modeling a state is any ()

A.consumer or producer of data.B.data object hierarchy.C.observable mode of behavior.D.well defined process.

参考答案 C

The state transition diagram ()

A.depicts relationships between data objectsB.depicts functions that transform the data flowC.indicates how data are transformed by the systemD.indicates system reactions to external events

参考答案 D

The UML sequence diagram shows the order in which system events are processed. ()

A.TrueB.False

参考答案 B

Analysis patterns are discovered, they are not explicitly created. ()

A.TrueB.False

参考答案 A

It is not possible to justify the time required for mobile app requirements analysis. ()

A.TrueB.False

参考答案 B

Which is not one of the analysis activities that is used to create a complete analysis model? ()

A.Configuration analysisB.Content analysisC.Functional analysisD.Market analysis

参考答案 D

Content objects are extracted from use cases by examining the scenario description for direct or indirect content references. ()

A.TrueB.False

参考答案 A

Which of the following are areas of concern in the design model? ()

A.ArchitectureB.DataC.interfacesD.project scopeE.a, b, c

参考答案 E

The importance of software design can be summarized in a single word ()

A.AccuracyB.ComplexityC.EfficiencyD.Quality

参考答案 D

Which of these are characteristics of a good design? ()

A.exhibits strong coupling between its modulesB.implements all requirements in the analysis modelC.includes test cases for all componentsD.provides a complete picture of the softwareE.b and d

参考答案 E

Which of the following is not a characteristic common to all design methods? ()

A.configuration managementB.functional component representationC.quality assessment guidelinesD.refinement heuristics

参考答案 A

What types of abstraction are used in software design? ()

A.ControlB.DataC.EnvironmentalD.ProceduralE.a, b, d

参考答案 E

Which of the following can be used to represent the architectural design of a piece of software? ()

A.Dynamic modelsB.Functional modelsC.Structural modelsD.All of the above

参考答案 D

Design patterns are not applicable to the design of object-oriented software? ()

A.TrueB.False

参考答案 B

Since modularity is an important design goal it is not possible to have too many modules in a proposed design. ()

A.TrueB.False

参考答案 B

Information hiding makes program maintenance easier by hiding data and procedure from unaffected parts of the program. ()

A.TrueB.False

参考答案 A

Cohesion is a qualitative indication of the degree to which a module ()

A.can be written more compactly.B.focuses on just one thing.C.is able to complete its function in a timely manner.D.is connected to other modules and the outside world.

参考答案 B

Coupling is a qualitative indication of the degree to which a module ()

A.can be written more compactly.B.focuses on just one thing.C.is able to complete its function in a timely manner.D.is connected to other modules and the outside world.

参考答案 D

When using structured design methodologies the process of stepwise refinement is unnecessary. ()

A.TrueB.False

参考答案 B

Software designs are refactored to allow the creation of software that is easier to integrate, easier to test, and easier to maintain. ()

A.TrueB.False

参考答案 A

Which of the following is not one of the five design class types ()

A.Business domain classesB.Entity classesC.Process classesD.User interface classes

参考答案 B

Which design model elements are used to depict a model of information represented from the user's view? ()

A.Architectural design elementsB.Component-level design elementsC.Data design elementsD.Interface design elements

参考答案 C

Which design is equivalent to the floor plan of a house? ()

A.Architectural designB.Component-level
designC.Data designD.Interface design

参考答案 A

Which design model is equivalent to the detailed drawings of the access points and external utilities for a house? ()

A.Architectural designB.Component-level
designC.Data designD.Interface design

参考答案 D

Which design model is equivalent to a set of detailed drawings for each room in a house? ()

A.Architectural designB.Component-level
designC.Data designD.Interface design

参考答案 B

The deployment design elements specify the build order for the software components. ()

A.TrueB.False

参考答案 B

ch12 architectural design

The best representation of system architecture is an operational software prototype. ()

A.TrueB.False

参考答案 B

The architectural representations can be an enabler for communication among project stakeholders. ()

A.TrueB.False

参考答案 A

An architectural description is often documented using an architecture template. ()

A.TrueB.False

参考答案 B

An architectural decision is often documented using an architecture decision description template. ()

A.TrueB.False

参考答案 A

An architectural genre will often dictate the architectural approach that may used for the structure to be built. ()

A.TrueB.False

参考答案 A

An architectural style encompasses which of the following elements? ()

A.constraintsB.set of componentsC.semantic modelsD.syntactic modelsE.a, b, c

参考答案 E

To determine the architectural style or combination of styles that best fits the proposed system, requirements engineering is used to uncover ()

A.algorithmic complexityB.characteristics and constraintsC.control and dataD.design patterns

参考答案 B

Before an architectural pattern can be chosen for use in a specific system it must have a code implementation to facilitate its reuse. ()

A.TrueB.False

参考答案 B

The criteria used to assess the quality of an architectural design should be based on system ()

A.accessibilityB.controlC.dataD.implementationE.

b and c

参考答案 E

Software architectural considerations often interact with each other and moderate each other. ()

A.TrueB.False

参考答案 A

Developer notes are not a reliable means of documenting architectural decisions ()

A.TrueB.False

参考答案 B

During process of modeling the system in context, systems that interact with the target system are represented as ()

A.Peer-level systemsB.Subordinate systemsC.Superordinate systemsD.Working systemsE.a, b, c

参考答案 E

Once selected, archetypes always need to be refined further as architectural design proceeds. ()

A.TrueB.False

参考答案 A

Which of the following is not an example of infrastructure components that may need to be integrated into the software architecture? ()

A.Communications componentsB.Database componentsC.Interface componentsD.Memory management components

参考答案 C

In the architecture trade-off analysis method the architectural style should be described using the ()

A.data flow viewB.module viewC.process viewD.user viewE.a, b, c

参考答案 E

A useful technique for evaluating the overall complexity of a proposed architecture is to look at the component ()

A.cohesionB.flow dependenciesC.sharing dependenciesD.sizeE.b and c

参考答案 E

Software architects need to create consensus among software team members and other stakeholders. ()

A.TrueB.False

参考答案 A

Pattern-based architectural reviews can be useful for project with short build cycles and volatile requirements. ()

A.TrueB.False

参考答案 A

Static architectural conformance checking assesses whether or not the source code matches the user visible requirements. ()

A.TrueB.False

参考答案 B

Architectural design has no role in agile software process models. ()

A.TrueB.False

参考答案 B

In the most general sense a component is a modular building block for computer software. ()

A.TrueB.False

参考答案 A

In the context of object-oriented software engineering a component contains ()

A.attributes and operationsB.instances of each classC.roles for each actor (device or user)D.set of collaborating classes

参考答案 D

In traditional software engineering modules must serve in which of the following roles? ()

A.Control componentB.Infrastructure componentC.Problem domain componentD.All of the above

参考答案 D

Software engineers always need to create components from scratch in order to meet customer expectations fully. ()

A.TrueB.False

参考答案 B

Which of the following is not one of the four principles used to guide component-level design? ()

A.Dependency Inversion PrincipleB.Interface Segregation PrincipleC.Open-Closed PrincipleD.Parsimonious Complexity Principle

参考答案 D

The use of stereotypes can help identify the nature of components at the detailed design level. ()

A.TrueB.False

参考答案 A

Classes and components that exhibit functional, layer, or communicational cohesion are relatively easy to implement, test, and maintain. ()

A.TrueB.False

参考答案 A

Software coupling is a sign of poor architectural design and can always be avoided in every system. ()

A.TrueB.False

参考答案 B

In component design elaboration requires which of the following elements to be describe in detail?

()

A.AlgorithmsB.AttributesC.InterfacesD.Operations

E.b, c, d

参考答案 E

In component-level design persistent data sources refer to ()

A.Component librariesB.DatabasesC.FilesD.All of

the aboveE.b and c

参考答案 E

WebApp content design at the component level focuses on content objects and the manner in which they interact. ()

A.TrueB.False

参考答案 B

A WebApp functional architecture describes the key functional components and how they interact with each other. ()

A.TrueB.False

参考答案 A

Component-level design for mobile apps is not any different from component-based design for Web apps. ()

A.TrueB.False

参考答案 A

Which of these constructs is used in structured programming? ()

A.branchingB.conditionC.repetitionD.sequenceE.b

, c, d

参考答案 E

In component-based software engineering, the development team examines the requirements to see which are amenable to composition, rather than construction, before beginning detailed design tasks. ()

A.TrueB.False

参考答案 A

Which of the following is not one of the major activities of domain engineering? ()

A.analysisB.constructionC.disseminationD.validati
on

参考答案 D

Which of the following factors would not be considered during component qualification? ()

- A.application programming interface (API)
- B.development and integration tools required
- C.exception handling
- D.testing equipment required

参考答案 D

Which of the following is a technique used for component wrapping? ()

- A.black-box wrapping
- B.clear-box wrapping
- C.gray-box wrapping
- D.white-box wrapping

参考答案 A

Which of the following is not one of the issues that form a basis for design for reuse? ()

- A.object-oriented programming
- B.program templates
- C.standard data
- D.standard interface protocols

参考答案 A

In a reuse environment, library queries are often characterized using the _____ element of the 3C Model. ()

- A.concept
- B.content
- C.context
- D.all of the above

参考答案 D

ch17 test strategy

In software quality assurance work there is no difference between software verification and software validation. ()

- A.True
- B.False

参考答案 B

RRRECT Which of the following is an approach to debugging? ()

- A.backtracking
- B.brute force
- C.cause elimination
- D.code restructuring
- E.a, b,c

参考答案 E

The best reason for using Independent software test teams is that ()

- A.software developers do not need to do any testing
- B.strangers will test the software

mercilesslyC.testers do not get involved with the project until testing beginsD.the conflicts of interest between developers and testers is reduced

参考答案 D

What is the normal order of activities in which traditional software testing is organized? ()

A.integration testing, system testing, unit testing, validation testing.B.unit testing, validation testing, system testing, integration testingC.unit testing, integration testing, validation testing, system testingD.validation testing, system testing, integration testing, unit testing

参考答案 C

By collecting software metrics and making use of existing software reliability models it is possible to develop meaningful guidelines for determining when software testing is done. ()

A.TrueB.False

参考答案 A

Which of the following strategic issues needs to be addressed in a successful software testing process? ()

A.conduct formal technical reviews prior to testingB.specify requirements in a quantifiable mannerC.use independent test teamsD.wait till code is written prior to writing the test planE.a and b

参考答案 E

Which of the following need to be assessed during unit testing? ()

A.algorithmic performanceB.code stabilityC.error handlingD.execution pathsE.c and d

参考答案 E

Units and stubs are not needed for unit testing because the modules are tested independently of one another.

()

A.TrueB.False

参考答案 B

Top-down integration testing has as it's major advantage(s) that ()

A.low level modules never need testingB.major decision points are tested earlyC.no drivers need

to be writtenD.no stubs need to be writtenE.b
and c

参考答案 E

Bottom-up integration testing has as
it's major advantage(s) that ()

A.major decision points are tested earlyB.no
drivers need to be wittenC.no stubs need to be
writtenD.regression testing is not required

参考答案 C

Regression testing should be a normal
part of integration testing because as
a new module is added to the system
new ()

A.control logic is invokedB.data flow paths are
establishedC.drivers require testingD.all of the
aboveE.a and b

参考答案 E

Smoke testing might best be
described as ()

A.bulletproofing shrink-wrapped
softwareB.rolling integration testingC.testing that
hides implementation errorsD.unit testing for
small programs

参考答案 B

When testing object-oriented software
it is important to test each class
operation separately as part of the
unit testing process. ()

A.TrueB.False

参考答案 B

The OO testing integration strategy
involves testing ()

A.groups of classes that collaborate or
communicate in some wayB.single operations as
they are added to the evolving class
implementationC.operator programs derived
from use-case scenariosD.none of the above

参考答案 A

Since many WebApps evolve
continuously, the testing process must
be ongoing as well. ()

A.TrueB.False

参考答案 A

Testing MobileApps is not different
than testing WebApps. ()

A.TrueB.False

参考答案 B

The focus of validation testing is to uncover places that s user will be able to observe failure of the software to conform to its requirements. ()

A.TrueB.False

参考答案 A

Software validation is achieved through a series of tests performed by the user once the software is deployed in his or her work environment. ()

A.TrueB.False

参考答案 B

Configuration reviews are not needed if regression testing has been rigorously applied during software integration. ()

A.TrueB.False

参考答案 B

Acceptance tests are normally conducted by the ()

A.developerB.end usersC.test teamD.systems engineers

参考答案 B

RECT Recovery testing is a system test that forces the software to fail in a variety of ways and verifies that software is able to continue execution without interruption. ()

A.TrueB.False

参考答案 B

Security testing attempts to verify that protection mechanisms built into a system protect it from improper penetration. ()

A.TrueB.False

参考答案 A

RRECT Stress testing examines the pressures placed on the user during system use in extreme environments. ()

A.TrueB.False

参考答案 B

RRECT Performance testing is only important for real-time or embedded systems. ()

A.TrueB.False

参考答案 B

Debugging is not testing, but always occurs as a consequence of testing.

()

A.TrueB.False

参考答案 A

ch18 测试技术

With thorough testing it is possible to remove all defects from a program prior to delivery to the customer. ()

A.TrueB.False

参考答案 B

Which of the following are characteristics of testable software?

()

A.observabilityB.simplicityC.stabilityD.all of the above

参考答案 D

The testing technique that requires devising test cases to demonstrate that each program function is operational is called ()

A.black-box testingB.glass-box testingC.grey-box testingD.white-box testing

参考答案 A

The testing technique that requires devising test cases to exercise the internal logic of a software module is called ()

A.behavioral testingB.black-box testingC.grey-box testingD.white-box testing

参考答案 D

What types of errors are missed by black-box testing and can be uncovered by white-box testing? ()

A.behavioral errorsB.logic errorsC.performance errorsD.typographical errorsE.b and d

参考答案 E

Program flow graphs are identical to program flowcharts. ()

A.TrueB.False

参考答案 B

The cyclomatic complexity metric provides the designer with information regarding the number of ()

A.cycles in the program
B.errors in the program
C.independent logic paths in the program
D.statements in the program

参考答案 C

The cyclomatic complexity of a program can be computed directly from a PDL representation of an algorithm without drawing a program flow graph. ()

A.True
B.False

参考答案 A

Condition testing is a control structure testing technique where the criteria used to design test cases is that they ()

A.rely on basis path testing
B.exercise the logical conditions in a program module
C.select test paths based on the locations and uses of variables
D.focus on testing the validity of loop constructs

参考答案 B

Data flow testing is a control structure testing technique where the criteria

used to design test cases is that they ()

A.rely on basis path testing
B.exercise the logical conditions in a program module
C.select test paths based on the locations and uses of variables
D.focus on testing the validity of loop constructs

参考答案 C

Loop testing is a control structure testing technique where the criteria used to design test cases is that they ()

A.rely basis path testing
B.exercise the logical conditions in a program module
C.select test paths based on the locations and uses of variables
D.focus on testing the validity of loop constructs

参考答案 D

Black-box testing attempts to find errors in which of the following categories ()

A.incorrect or missing functions
B.interface errors
C.performance errors
D.none of the above
E.a, b,c

参考答案 E

Graph-based testing methods can only be used for object-oriented systems ()

A.TrueB.False

参考答案 B

Equivalence testing divides the input domain into classes of data from which test cases can be derived to reduce the total number of test cases that must be developed. ()

A.TrueB.False

参考答案 A

Boundary value analysis can only be used to do white-box testing. ()

A.TrueB.False

参考答案 B

Orthogonal array testing enables the test designer to maximize the coverage of the test cases devised for relatively small input domains. ()

A.TrueB.False

参考答案 A

Test derived from behavioral class models should be based on the ()

A.data flow diagramB.object-relation

diagramC.state transition diagramD.use-case diagram

参考答案 C

Documentation does not need to be tested. ()

A.TrueB.False

参考答案 B

Real-time applications add a new and potentially difficult element to the testing mix ()

A.performanceB.reliabilityC.securityD.time

参考答案 D

ch22 project management

Effective software project management focuses on ()

A.people, performance, payoff, productB.people, product, performance, processC.people, product, process, projectD.people, process, payoff, product

参考答案 C

The W5HH principle contains which of the following questions? ()

A.Why is the system being developed?B.What will be done by whom?C.Where are they organizationally located?D.How much of each resource is required?E.a,c d

参考答案 E

Organizations that achieve high levels of maturity in people management have a higher likelihood of implementing effective software engineering processes. ()

A.TrueB.False

参考答案 A

The first step in project planning is to ()

A.determine the budget.B.select a team organizational model.C.determine the project constraints.D.establish the objectives and scope.

参考答案 D

Process framework activities are populated with ()

A.milestonesB.work productsC.QA pointsD.all of the above

参考答案 D

Project management is less important for modern software development since most projects are successful and completed on time. ()

A.TrueB.False

参考答案 B

Which of the following is not considered a stakeholder in the software process? ()

A.customersB.end-usersC.project managersD.sales people

参考答案 D

The best person to hire as a project team leader is the most competent software engineering practitioner available. ()

A.TrueB.False

参考答案 B

The best project team organizational model to use when tackling extremely complex problems is the ()

A.closed paradigmB.open paradigmC.random paradigmD.synchronous paradigm

参考答案 B

Which factors should be considered in choosing the organizational structure for a software team? ()

A.degree of communication desiredB.predicted size of the resulting programC.rigidity of the delivery dateD.size of the project budgetE.a, b, c

参考答案 E

One of the best ways to avoid frustration during the software development process is to ()

A.give team members more control over process and technical decisions.B.give team members less control over process and technical decisions.C.hide bad news from the project team members until things improve.D.reward programmers based on their productivity.

参考答案 A

Small agile teams have no place in modern software development. ()

A.TrueB.False

参考答案 B

Which of these software characteristics is not a factor contributing to project coordination difficulties? ()

A.interoperabilityB.performanceC.scaleD.uncertainty

参考答案 B

Which of these software characteristics are used to determine the scope of a software project? ()

A.context, lines of code, functionB.context, function, communication requirementsC.information objectives, function, performanceD.communications requirements, performance, information objectives

参考答案 C

The major areas of problem decomposition during the project scoping activity are the ()

A.customer workflowB.functionality to be deliveredC.process used to deliver functionalityD.software process modelE.b and c

参考答案 E

Product and process decomposition occurs simultaneously as the project plan evolves. ()

A.TrueB.False

参考答案 A

When can selected common process framework activities be omitted during process decomposition? ()

A.when the project is extremely small in sizeB.any time the software is mission criticalC.rapid prototyping does not require their useD.never the activities are invariant

参考答案 D

How does a software project manager need to act to minimize the risk of software failure? ()

A.double the project team sizeB.request a large budgetC.start on the right footD.track progressE.c and d

参考答案 E

Which of these are critical practices for performance-based project management? ()

A.assessing product usabilityB.defect tracking against quality targetsC.empirical cost estimationD.formal risk managementE.b, c, d

参考答案 E