060010413 - CC13 Software Engineering - Quiz 03

Due Jun 4 at 11:59am   **Points** 60   **Questions** 60
Available Jun 3 at 11am - Jun 4 at 11:59am 1 day   **Time Limit** None

Attempt History

	Attempt	**Time**	**Score**
LATEST	**Attempt 1**	30 minutes	55 out of 60

Score for this quiz: **55** out of 60
Submitted Jun 3 at 11:37am
This attempt took 30 minutes.

Question 1	**1 / 1 pts**

Software consists of:

○ Programs

○ Programs and documentations

Correct!   ◉ Programs, documentations and operating procedure manuals

○ Set of instructions and operating system

Question 2	**1 / 1 pts**

RUP is maintained by:

Correct!   ◉ IBM Rational Software

○ Alcatel

○ TCS

○ Microsoft

Question 3   **1 / 1 pts**

In which model, the high user participation is required?

○ Waterfall model

○ All of the above

Correct!   ◉ Prototyping model

○ Build-and-fix model

Question 4   **1 / 1 pts**

If user feedback and involvement are not available, which model is suitable?

○ Prototyping model

○ Iterative enhancement model

Correct!   ◉ Waterfall model

○ None of the above

Question 5   1 / 1 pts

The use of components promotes the concept of:

○ Conformity

○ Flexibility

Correct!   ◉ Reusability

○ Invisibility

Question 6   1 / 1 pts

Generalization and specialization relationship between two classes
are known as:

○ uses-a relationship

Correct!   ◉ is-a relationship

○ has-a relationship

○ includes-a relationship

Question 7   0 / 1 pts

FAST stands for:

○ Frequent application specification technique

u Answered

⦿ Facilitated application specification technology

○ Facilitated approximate specification technique

rrect Answer

○ Facilitated application specification technique

Question 8   1 / 1 pts

Which are the required guidelines for conducting FAST session?

(i) It must be conducted at neutral site.

(ii) The framed rules for participation, must be circulated to all the members in advance.

(iii) All members must be felt comfortable to encourage free flow of ideas.

(iv) The facilitator (organizer) gives the overview of the project.

(v) A display mechanism like.... Projector, Wall Stickers, Flip Charts, Whiteboards, etc. should be available in the committee room, where the meeting is conducted.

(vi) All members should be directed to give their views. Unnecessary delay should be avoided.

Correct!

⦿ All (i) to (vi)

○ Only (iii) and (v)

○ Only (i) and (ii)

○ Only (ii) and (iv)
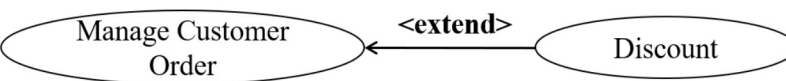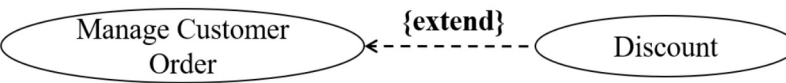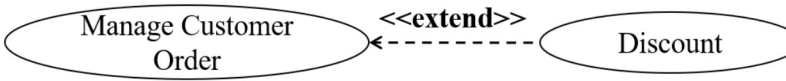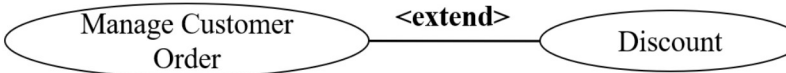
Question 9   1 / 1 pts

Actors include anything that is:

Correct!

- ◉ External to the system

- ○ Both (a) and (b)

- ○ Internal to the system

- ○ Functionality of the system

Question 10   1 / 1 pts

Identify the correct example of relationship for use case diagram:

- ○ (iv)

- ○ (i)

- ○ (ii)

Correct!

- ◉ (iii)

Question 11

1 / 1 pts

What is the main objective of FAST technique?

○ To complete the work in a speedy way.

○ To start implementation.

○ To complete requirement gathering.

Correct!

◉ To close the gap between developers and customer.

Question 12

1 / 1 pts

The non-functional requirement signifies that

○ which features are to be included in system?

○ what the software will do.

○ None of the above

Correct!

◉ how well the software does, what it has to be.

Question 13

1 / 1 pts

_____ helps us to prepare the IRD in limited time frame under the leadership.

Correct!

○ FAST

○ SRS

○ Functional requirements

○ Use case

Question 14   1 / 1 pts

A use case addresses:

○ Both (a) and (b)

○ Non-functional requirements

○ None of the above

Correct!

◉ Functional requirements

Question 15   1 / 1 pts

A generic term is used for the people who are affected directly or indirectly by the system is known as _____.

Correct!

◉ Stakeholders

○ Users

○ Developer

○ Customers

Question 16

1 / 1 pts
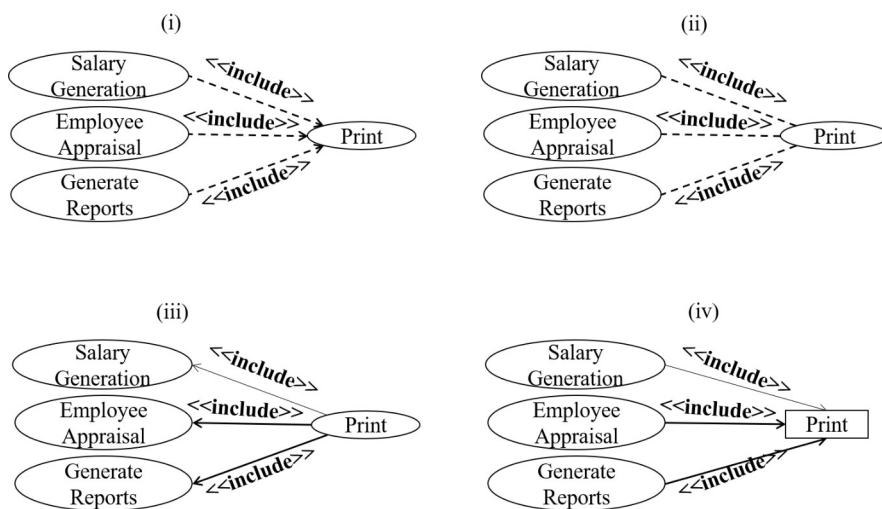
Requirements elicitation means:

Correct!

◉ Requirements capturing

○ Requirements management

○ Requirements prioritization

○ Requirements traceability

Question 17

1 / 1 pts

Identify the correct example of relationship for use case diagram:

○ Diagram (ii)

○ Diagram (iv)

○ Diagram (iii)

Correct!   ◉ Diagram (i)

Question 18   1 / 1 pts

Which of the following is/are the valid relationship(s) in use case diagrams?

A. Extend

B. Include

C. Generalization

Correct!   ◉ All A, B, C

○ Only B not A and C

○ Only A not B and C

○ Only A and B not C

Question 19   1 / 1 pts

Requirements should be written in….

○ None of the above

Correct!   ◉ Simple, short and clear sentences.

○ Simple with some high standard words.

○ Simple and large sentences.

Question 20

1 / 1 pts

Which tasks should be mention in the scope of the project documentation?

I. Assign a name to the software under development.

II. Name of developers

III. List of functions which the software will do.

IV. List of functions which the software will not do.

V. Explanation about the software applications along with the possible benefits and objectives.

○ I, II, III, IV

○ I, II, III

○ I, II, IV, V

Correct!

◉ I, III, IV, V

Question 21

1 / 1 pts

"Functional requirements also specify what the software will not do."

Correct!

◉ True

○ False

Question 22   1 / 1 pts

Which of the following is not the basic user characteristics required to use any system application?

○ Technical knowledge

○ Qualification

Correct!   ◉ Hardware limitations

○ Experience

Question 23   1 / 1 pts

The popular template for writing use case description is given by:

○ V. Basili

Correct!   ◉ I. Jacobson

○ B. Boeham

○ J. Rumbaugh

Question 24   1 / 1 pts

A requirement shall be _____ if and only if it is implementable within given time, resources, money and technology.

Correct!

- ◉ feasible

- ○ verifiable

- ○ clear

- ○ necessary

Question 25　　　　　　　　　　　　　　**1 / 1 pts**

Functional requirements describe:

Correct!

- ◉ "what" the software will do.

- ○ "who" the software will perform.

- ○ "when" the software will do.

- ○ None of the above

Question 26　　　　　　　　　　　　　　**1 / 1 pts**

The best reason to select a requirements elicitation technique is:

- ○ It is the only technique we know.

Correct!

- ◉ We believe that a particular technique is suitable for our project.

○ None of the above

○ It is our favourite technique.

Question 27
1 / 1 pts

Which one is not a characteristic of software?

○ Software is reusable

○ Software does not wear out

○ Software is enhanceable

Correct!
◉ Software is not flexible

Question 28
0 / 1 pts

The full form of COTS is:

○ Commercially off-the-shelf classes

○ Components off-the-shelf

u Answered
◉ Commercially off-the-shift components

rrect Answer
○ Commercially off-the-shelf components

Question 29   0 / 1 pts

A method is:

Correct Answer

○ The sequence of steps to be performed to fulfil the assigned task

You Answered

⦿ Both (a) and (b)

○ None of the above

○ The set of operations for a particular task

Question 30   1 / 1 pts

Object composition refers to:

Correct!

⦿ Use of object of one class as data type in another class

○

Derived class inheriting attributes and operations from the base class

○ Data hiding concept

○ Polymorphism

Question 31   1 / 1 pts

Object-oriented methodologies do not include:

○ Jacobson methodology

Correct!

◉ Boehm methodology

○ Coad and Yourdon methodology

○ Rumbaugh methodology

Question 32

1 / 1 pts

The Booch methodology can be broadly divided into:

○ Micro process and major process

○ Macro process and minor process

○ Macro process and mini process

Correct!

◉ Macro process and micro process

Question 33

1 / 1 pts

Which of the following objects are identified in the analysis model?

(i) Analysis objects

(ii) Entity objects

(iii) Control objects

(iv) Interface objects

○ All of the above

○ (i), (ii), (iv)

○ (i), (iii), (iv)

Correct!   ◉ (ii), (iii), (iv)

Question 34   **1 / 1 pts**

Which of the following is the disadvantage of the waterfall model?

○ Both (a) and (b)

○ None of the above

○ Separation of life cycle phases

Correct!   ◉ Large number of documents are produced

Question 35   **1 / 1 pts**

Prototyping model is most suitable for projects with:

○ Stable requirements

○ Defined and understandable requirements

Correct!   ◉ Changing requirements

○ Small size

Question 36   1 / 1 pts

Through which model, various cycles are permitted by the customer to see the progress of the software continuously?

○ Waterfall model

○ Prototyping model

Correct!

◉ Iterative enhancement model

○ Extreme programming model

Question 37   1 / 1 pts

The radial dimension of the spiral model shows:

○ Schedule of the project

Correct!

◉ Cumulative cost of the project

○ None of the above

○ Progress made in the completion of the final software

Question 38   0 / 1 pts

Match the multiplier with its interface type:

Interface type	Multiplier

1. No GUI	A. 2.5
2. Text-based user interface	B. 2.0
3. Graphical user interface	C. 3.0
4. Complex graphical user interface	D. 2.25

u Answered

- ⦿ 1-B, 2-D, 3-C, 4-A

- ○ 1-B, 2-A, 3-C, 4-D

rrect Answer

- ○ 1-B, 2-D, 3-A, 4-C

- ○ 1-B, 2-C, 3-D, 4-A

Question 39   0 / 1 pts

According to Lorenz and Kidd, how many person days each class requires for implementation?

- ○ 0 to 10 person days

u Answered

- ⦿ 20 to 30 person days

rrect Answer

- ○ 10 to 20 person days

- ○ 30 to 40 person days

Question 40   1 / 1 pts

If an application requires 15 person days to implement each class and the number of classes is 255, then what will be the effort of the given application?

○ 3845

○ 3835

Correct!   ● 3825

○ 3855

Question 41   1 / 1 pts

Which of the following is not a rule of agile processes?

○ The customer is always present at the developer's site

○ Working software is produced very early

Correct!   ● None of the above

○ Iterative planning

Question 42   1 / 1 pts

XP is not suitable for application where:

Correct!   ● Continuous customer involvement cannot be achieved

○ Technology is simple

○ Documentation is required

○ Pair programming is suitable

Question 43   1 / 1 pts

The outcome of the construction phase includes:

Correct!

⦿ Software product

○ Initial project glossary

○ Software development plan

○ Use case product

Question 44   1 / 1 pts

The total number of classes is obtained by:

○ subtracting key classes and support classes

○ multiplying key classes and support classes

Correct!

⦿ adding key classes and support classes

○ dividing key classes and support classes

Question 45   1 / 1 pts

If number of key classes is 112.5 and number of support classes is 45, then find total number of classes.

○ 250.3

○ 160.8

Correct!

◉ 157.5

○ 198.5

Question 46   1 / 1 pts

What one should identify to conduct effective software estimation?

Correct!

◉ All of the above

○ Scope/boundaries, Size and Effort of the project

○ Risk involved in the project

○ Resources required in the project

Question 47   1 / 1 pts

If in an application there are 2 simple actors, 2 average actors and 1 complex actor, then what will be the unadjusted actor weight for the project.

Correct!

◉ 9

○ 3

○ 12

○ 6

Question 48   1 / 1 pts

The size of the classes can be estimated as:

○ 25 × Number of scenario scripts

○ 20 × Number of scenario scripts

Correct!

◉ 17 × Number of scenario scripts

○ 15 × Number of scenario scripts

Question 49   1 / 1 pts

How to calculate unadjusted use case point?

Correct!

⦿ Unadjusted actor weight + Unadjusted use case weight

○ Unadjusted actor weight / Unadjusted use case weight

○ Unadjusted actor weight - Unadjusted use case weight

○ Unadjusted actor weight * Unadjusted use case weight

Question 50   1 / 1 pts

_____ is a key part of project planning activities and is the specific risky area which are highlighted in the plan.

○ Risk planning

○ Definition identification

Correct!   ⦿ Risk management

○ Project management

Question 51   1 / 1 pts

Which type of risks involve budget, time, personnel and quality risks?

Correct!   ⦿ Economical Risks

○ Environment Risks

○ Deployment Risks

○ Technical Risks

Question 52

1 / 1 pts

If the number of classes is 750 and requires person days is 17 to implement each class, then what will be the effort of the given application?

○ 12000

○ 11955

○ 11750

Correct!

◉ 12750

Question 53

1 / 1 pts

Consider an airline reservation system where the following information is available:

Number of actors: 05 and Number of use cases: 10

By assuming all the complexity factors as average, what will be the unadjusted use case weight for the project.

○ 101

○ 120

Correct!

◉ 110

○ 111

Question 54   1 / 1 pts

If use case point is 133.46, then what will be the effort for an application?

○ 2600.5

Correct!

◉ 2669.2

○ 2690.8

○ 2890.3

Question 55   1 / 1 pts

What are the disadvantages of use case points method?

I. UCP can be used only when requirements are written in the form of use cases.

II. UCPs are based on use cases and can be measured very early in the project life cycle.

III. Use cases are being used vastly as a method of choice to describe requirements. In such cases, UCP is the best suitable estimation technique.

IV. If the use cases are not well or uniformly structured, then the resulting may not be accurate.

V. UCP is useful for initial estimate of overall project size, but they

are much less useful in driving the iteration-to-iteration work of a team.

Correct!

◉ I, IV, V

○ I, II, IV

○ I, II, III

○ I, III, IV

Question 56

1 / 1 pts

By considering the database application project with the following characteristics:

1. The application has 45 key classes
2. A graphical user interface is required

What will be the number of support classes?

○ 135.2

○ 254.4

○ 100

Correct!

◉ 112.5

Question 57

1 / 1 pts

Use case points can be calculated by:

○ UUCP × ECF

○ UCP × H

Correct!

◉ UUCP × TCF × ECF

○ UUCP × TCF

Question 58

1 / 1 pts

If in an application there are 2 use cases with the number of transactions 3, 4 use cases with the number of transactions 5 and 2 use cases with the number of transactions 15, then what will be the unadjusted use case weight for the project.

○ 20

Correct!

◉ 80

○ 60

○ 40

Question 59

1 / 1 pts

In which type of risks, the security and safety of the workplace is addressed?

○ Environment Risks

○ Economical Risks

○ Technical Risks

Correct!

◉ Deployment Risks

Question 60   **1 / 1 pts**

If UUCP is 110, TCF is 1.02 and ECF is 0.995, then what will be UCP?

Correct!

◉ 111.639

○ 115.666

○ 150.865

○ 950.546

Quiz Score: **55** out of 60