Started on	Wednesday, 13 September 2023, 10:28 AM
State	Finished
Completed on	Wednesday, 13 September 2023, 10:29 AM
Time taken	1 min 2 secs
Marks	2.00/6.00
Grade	33.33 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	
Hiding the object s	state , so that it can be observed or affected only via object's methods is known as?
	ion tion ✔ ution
Select one: a. Classificat b. Encapsula c. Objectifica	ion tion ✔ ntion ne above
Select one: a. Classificat b. Encapsula c. Objectificat d. None of the	ion tion ✔ ntion ne above
Select one: a. Classificat b. Encapsula c. Objectificat d. None of the	ion tion ✔ ntion ne above

The correct answer is 'True'.

Select one:

True
False ×

23/10/02 6:18	Self-Quiz Unit 1: Attempt review
Question 3	
Incorrect	
Mark 0.00 out of 1.00	
Anis a software packaging of data	and code together into a unit within a running computer program.
Select one:	
a. Method	
O b. Function	
C. Object	
The correct answer is: Object	
Question 4	
Incorrect	
Mark 0.00 out of 1.00	
Objects are abstractions that specify the state	e and behavior of different collections of objects.
Select one:	
True ★	
○ False	
The correct answer is 'False'.	
THE COTTECT ATISWELLS FAISE.	
Question 5	
Incorrect	
Mark 0.00 out of 1.00	
Process models are described as agile becaus	se they?
Select one:	,
Select Offe.	

- o a. eliminate the need for cumbersome documentation
- ob. emphasize maneuverability and adaptability
- oc. do not waste development time on planning activities
- lacksquare d. make extensive use of prototype creation lacksquare

The correct answer is: emphasize maneuverability and adaptability

Question 6	
Correct	
Mark 1.00 out of 1.00	

Software is a product and can be manufactured using the same technologies used for other engineering artifacts?

Select one:

O True

■ False

The correct answer is 'False'.

Started on	Wednesday, 13 September 2023, 10:29 AM
State	Finished
	Wednesday, 13 September 2023, 10:30 AM
Time taken	
	4.00/6.00
Grade	66.67 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	
Methods that are e	even more aggressive in terms of short iterations and heavy user involvement are often characterized as?
Select one:	
a. Complex	
b. Agile	
oc. Iterative	
O d. Increment	al
The correct answe	r is: Agile
Question 2	
Mark 1.00 out of 1.00	
Software engineer	ing umbrella activities are only applied during the initial phases of software development projects.
Select one:	
O True	
False ✓	
The correct answe	r is 'False'.

https://my.uopeople.edu/mod/quiz/review.php?attempt=11656992&cmid=381190

Question 3	
Correct	
Mark 1.00 out of 1.00	
Decomposing a problem into simpler ones is common when dealing with complex problems. This is known as?	
Select one:	
○ a. Divide and conquer	
b. Modularity	
○ c. Only A	
O d. Only B	
■ e. Both A and B ✓	
The correct answer is: Both A and B	
Question 4	
Incorrect	
Mark 0.00 out of 1.00	
Select one: a. Problems b. Propositions c. Adverbs d. Verbs X The correct answer is: Propositions	
Question 5	
Incorrect	
Mark 0.00 out of 1.00	
Objects are abstractions that specify the state and behavior of different collections of objects. Select one: True X False	
The correct answer is 'False'.	

Question 6	
Correct	
Mark 1.00 out of 1.00	

Software is a product and can be manufactured using the same technologies used for other engineering artifacts?

Select one:

O True

■ False

The correct answer is 'False'.

Started on	Wednesday, 13 September 2023, 10:30 AM
State	Finished
Completed on	Thursday, 14 September 2023, 1:55 PM
Time taken	1 day 3 hours
Marks	0.00/6.00
Grade	0.00 out of 100.00
Question 1	
Not answered	
Marked out of 1.00	
Process models ar	e described as agile because they?
Select one:	
a. eliminate	the need for cumbersome documentation
b. emphasize	e maneuverability and adaptability
oc. do not wa	ste development time on planning activities
od. make exte	ensive use of prototype creation
The correct answe	r is: emphasize maneuverability and adaptability
Question 2	
Not answered	
Marked out of 1.00	
Because Use Case achievement.	s represent recipes for user achieving 'goals', each use case name must include a 'verb' capturing the goal
Select one:	
○ True	
○ False	
The correct answe	r is 'True'.

https://my.uopeople.edu/mod/quiz/review.php?attempt=11657001&cmid=381190

23/10/02 6:20	Self-Quiz Unit 1: Attempt review
Question 3	
Not answered	
Marked out of 1.00	
Methods that are even more aggressive in terms of sl	hort iterations and heavy user involvement are often characterized as?
Select one:	
○ a. Complex	
○ b. Agile	
oc. Iterative	
O d. Incremental	
The correct answer is: Agile	
Question 4 Not answered Marked out of 1.00	
Decomposing a problem into simpler ones is commo	n when dealing with complex problems. This is known as?
Select one:	
a. Divide and conquer	
○ b. Modularity	
○ c. Only A	
Od. Only B	
○ e. Both A and B	
The correct answer is: Both A and B	
Question 5	
Not answered	
Marked out of 1.00	
Hiding the object state , so that it can be observed or	affected only via object's methods is known as?
Select one:	
a. Classification	
O b. Encapsulation	
c. Objectification	

The correct answer is: Encapsulation

d. None of the above

Question	6		
Not answered			
Marked out o	1.00		

Concept Maps, while representing knowledge about the problem domain, are expressed in terms of 'concepts' and -----, and are used to represent knowledge, beliefs, feelings etc.

Select one:

a. Problems

b. Propositions

c. Adverbs

od. Verbs

The correct answer is: Propositions

Started on	Thursday, 21 September 2023, 10:47 AM
State	Finished
Completed on	Thursday, 21 September 2023, 10:49 AM
Time taken	1 min 49 secs
Marks	4.00/6.00
Grade	66.67 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	
	are the test specified by the customer, written during the requirements analysis.
Select one:	
True ✓	
○ False	

Question 2

The correct answer is 'True'.

Incorrect

Mark 0.00 out of 1.00

Software architecture focuses on -----requirements and decomposition of -----requirements.

Select one:

- a. Functional, Non Functional X
- b. Non Functional, Functional
- oc. Behavioral, Contextual
- Od. Contextual, Behavioral

The correct answer is: Non Functional, Functional

3/10/02 6:20	Self-Quiz Unit 2: Attempt review
Question 3	
Correct	
Mark 1.00 out of 1.00	
'Velocity' of the development team (in effort e	stimation) is defined are the?
Select one:	
a. Duration needed to develop the syste	m
 b. Effort needed to develop the system 	
c. Productivity of the team 	
Od. Speed of the team	
The correct answer is: Productivity of the team	
Question 4	
Correct	
Mark 1.00 out of 1.00	
The correct order for all requirement enginee	ring techniques is
Select one:	
a. Analysis, Gathering, Specifications	
 b. Gathering, Specifications, Analysis 	
c. Gathering, Analysis, Specifications 	
Od. Analysis, Specifications, Gathering	
The correct answer is: Gathering, Analysis, Spe	cifications
Question 5	
Incorrect	
Mark 0.00 out of 1.00	
The final outcome of requirement engineering	is a Requirement Specification Document?
Select one:	
○ True	
False ★	

The correct answer is 'True'.

Question 6	
Correct	
Mark 1.00 out of 1.00	

The job of the requirements engineer is to categorize all stakeholder information in a way that allows decision makers to choose an internally consistent set of requirements.

Select one:

■ True

False

The correct answer is 'True'.

Started on	Thursday, 21 September 2023, 10:51 AM
State	Finished
Completed on	Thursday, 21 September 2023, 10:51 AM
Time taken	52 secs
Marks	3.00/6.00
Grade	50.00 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	

The correct order for all requirement engineering techniques is

Select one:

- o a. Analysis, Gathering, Specifications
- Ob. Gathering, Specifications, Analysis
- od. Analysis, Specifications, Gathering

The correct answer is: Gathering, Analysis, Specifications

Question 2

Correct

Mark 1.00 out of 1.00

'Velocity' of the development team (in effort estimation) is defined are the -----?

Select one:

- oa. Duration needed to develop the system
- o b. Effort needed to develop the system
- ◎ c. Productivity of the team ✔
- od. Speed of the team

The correct answer is: Productivity of the team

023/10/02 6:21	Self-Quiz Unit 2: Attempt review
Question 3	
Incorrect	
Mark 0.00 out of 1.00	
The result of the requirements engineering elaboration task is	s an analysis model that defines which of the following problem domain(s)?
Select one:	
a. Information *	
○ b. Functional	
oc. Behavioral	
d. All of the above	
The correct answer is: All of the above	
Question 4	
Correct	
Mark 1.00 out of 1.00	
The final outcome of requirement engineering is a Requireme	ent Specification Document?
Select one:	
True ✓	
○ False	
The correct answer is 'True'.	
Question 5	
Incorrect	
Mark 0.00 out of 1.00	
Software Architecture is a phase of software development	
Select one:	
○ True	
False ★	

The correct answer is 'True'.

Question 6	
Incorrect	
Mark 0.00 out of 1.00	

The term FURPS refers to

Select one:

- a. Functional system properties x
- Ob. Non functional system properties
- c. Both a and b
- od. None of the above

The correct answer is: Non functional system properties

Started on	Thursday, 21 September 2023, 10:49 AM
State	Finished
Completed on	Thursday, 21 September 2023, 10:50 AM
Time taken	1 min 26 secs
Marks	3.00/6.00
Grade	50.00 out of 100.00
Question 1	
Incorrect	
Mark 0.00 out of 1.00	
The correct answe	r is: Non functional system properties
Question 2	

Software Architecture is a phase of software development

Select one:

Mark 0.00 out of 1.00

 \bigcirc True

Incorrect

False X

The correct answer is 'True'.

Question 3 Correct
Mark 1.00 out of 1.00
The result of the requirements engineering elaboration task is an analysis model that defines which of the following problem domain(s)?
Select one:
a. Information
○ b. Functional
○ c. Behavioral
■ d. All of the above ✓
The correct answer is: All of the above
Overstiers A
Question 4 Correct
Mark 1.00 out of 1.00
Acceptance Tests are the test specified by the systemer written during the requirements analysis
Acceptance Tests are the test specified by the customer, written during the requirements analysis.
Select one:
True ✓
○ False
The correct answer is 'True'.
The correct answer is True.
Question 5
Correct
Mark 1.00 out of 1.00
The job of the requirements engineer is to categorize all stakeholder information in a way that allows decision makers to choose an
internally consistent set of requirements.
Select one:
True ✓
○ False
The correct answer is 'True'.

Question 6	
Incorrect	
Mark 0.00 out of 1.00	

Software architecture focuses on -----requirements and decomposition of -----requirements.

Select one:

- o a. Functional, Non Functional
- o b. Non Functional, Functional
- c. Behavioral, Contextual X
- od. Contextual, Behavioral

The correct answer is: Non Functional, Functional

Started on	Thursday, 28 September 2023, 1:01 PM
State	Finished
Completed on	Thursday, 28 September 2023, 1:02 PM
Time taken	1 min 51 secs
Marks	3.00/6.00
Grade	50.00 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	

An actor is any entity (human, physical object, or another system) external to the system-to-be that interacts with the system-to-be.

Select one:

■ True

False

The correct answer is 'True'.

Question 2

Incorrect

Mark 0.00 out of 1.00

To prioritize the work on use cases, we use

Select one:

a. Product Matrix

b. Process Matrix X

oc. Traceability Matrix

Od. None of the above

The correct answer is: Traceability Matrix

Question 3	
Incorrect	
Mark 0.00 out of 1.00	

Consider the following diagram:



Which of the following is true for the image?

Select one:

- a. If an instance of A is deleted, the contained instances of B are not affected.
- b. If an instance of B is deleted, all contained instances of A are also deleted. X
- oc. If an instance of A is deleted, all contained instances of B are also deleted.
- d. None of the above

The correct answer is: If an instance of A is deleted, all contained instances of B are also deleted.

Question 4 Correct Mark 1.00 out of 1.00

A use case represents an activity that an actor can perform on the system and what the system does in response.

Select one:

■ True

False

The correct answer is 'True'.

Question **5**

Incorrect

Mark 0.00 out of 1.00

In UML diagrams, relationship between object and component parts is represented by

Select one:

- a. ordination X
- b. aggregation
- oc. segregation
- od. increment

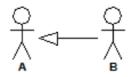
The correct answer is: aggregation

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following statements about the given diagram clipping are true? (more than one answer)



Select one or more:

- ☑ a. B inherits all of A's associations

 ✓
- b. A inherits all of B's associations
- c. A can execute the same use cases as B
- ☑ d. B can execute the same use cases as A. ✔

The correct answers are: B inherits all of A's associations, B can execute the same use cases as A.

Started on	Thursday, 28 September 2023, 1:03 PM
State	Finished
Completed on	Thursday, 28 September 2023, 1:04 PM
Time taken	1 min 20 secs
Marks	4.00/6.00
Grade	66.67 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Initiating actor is the ----- actor where as participating actor is the ----- actor.

Select one:

- a. Secondary, Primary
- b. Primary , Secondary
- oc. None of the above

The correct answer is: Primary, Secondary

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following statements characterize use cases?

Select one:

- igcup a. Use cases specify the procedural process within a system
- ◎ c. Use cases specify the functionalities and the behavior that the system which is being developed should have.
- d. None of the above

The correct answer is: Use cases specify the functionalities and the behavior that the system which is being developed should have.

23/10/02 6:21	Self-Quiz Unit 3: Attempt review
Question 3	
Incorrect	
Mark 0.00 out of 1.00	
The association between an actor and a use case is (more	than one answer)
Select one or more:	
a. Is modeled with a dashed line *	
☑ b. Is modeled with a directed line with an arrowhead	×
c. Is an undirected continuous line	
d. Is binary	
The correct answers are: Is an undirected continuous line,	Is binary
Question 4	
Correct	
Mark 1.00 out of 1.00	
To prioritize the work on use cases, we use	
Select one:	
a. Product Matrix	
o b. Process Matrix	
⊚ c. Traceability Matrix ✔	
Od. None of the above	
The correct answer is: Traceability Matrix	
•	
Question 5	
Incorrect	
Mark 0.00 out of 1.00	
A use case represents an activity that an actor can perform	on the system and what the system does in response.
Select one:	
○ True	
False	
The correct answer is 'True'.	

https://my.uopeople.edu/mod/quiz/review.php?attempt=11869334&cmid=381200

Question 6		
Correct		
Mark 1.00 out of 1.00		

Consider the following diagram:



Which of the following is true for the image?

Select one:

- a. If an instance of A is deleted, the contained instances of B are not affected.
- b. If an instance of B is deleted, all contained instances of A are also deleted.
- c. If an instance of A is deleted, all contained instances of B are also deleted.
- d. None of the above

The correct answer is: If an instance of A is deleted, all contained instances of B are also deleted.

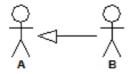
Started on	Thursday, 28 September 2023, 1:04 PM
State	Finished
Completed on	Thursday, 28 September 2023, 1:05 PM
Time taken	57 secs
Marks	5.00/6.00
Grade	83.33 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following statements about the given diagram clipping are true? (more than one answer)



Select one or more:

- ☑ a. B inherits all of A's associations
 ✓
- b. A inherits all of B's associations
- c. A can execute the same use cases as B
- ☑ d. B can execute the same use cases as A.
 ✓

The correct answers are: B inherits all of A's associations, B can execute the same use cases as A.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following statements characterize use cases?

Select one:

- o a. Use cases specify the procedural process within a system
- igcup b. Use cases are suitable for modeling interfaces between two systems
- ◎ c. Use cases specify the functionalities and the behavior that the system which is being developed should have.
- d. None of the above

The correct answer is: Use cases specify the functionalities and the behavior that the system which is being developed should have.

23/10/02 6:22	Self-Quiz Unit 3: Attempt review
Question 3	
Incorrect	
Mark 0.00 out of 1.00	
In UML diagrams, relationship between object and component	parts is represented by
Select one:	
a. ordination	
○ b. aggregation	
O d. increment	
The correct answer is: aggregation	
Question 4	
Correct	
Mark 1.00 out of 1.00	
The association between an actor and a use case is (more than	n one answer)
Select one or more:	
a. Is modeled with a dashed line	
 b. Is modeled with a directed line with an arrowhead 	
☑ c. Is an undirected continuous line ✓	
☑ d. Is binary ✔	
The correct answers are: Is an undirected continuous line, Is bi	nary
Question 5	
Correct	
Mark 1.00 out of 1.00	
An actor is any entity (human, physical object, or another syste	m) external to the system-to-be that interacts with the system-to-be.
Select one:	
True ✓	
○ False	
The correct answer is 'True'.	

https://my.uopeople.edu/mod/quiz/review.php?attempt=11869397&cmid=381200

Question 6		
Correct		
Mark 1.00 out of 1.00		

Initiating actor is the -----actor where as participating actor is the ----- actor.

Select one:

- a. Secondary, Primary
- b. Primary , Secondary
- oc. None of the above

The correct answer is: Primary , Secondary

State Fin Completed on The	nursday, 28 September 2023, 1:22 PM nished nursday, 28 September 2023, 1:23 PM
Completed on The	
•	nursday, 28 September 2023, 1:23 PM
Time taken 28	secs
Marks 3.5	50/6.00
Grade 58.	3.33 out of 100.00

Question 1

Incorrect

Mark 0.00 out of 1.00

To prioritize the work on use cases, we use

Select one:

- a. Product Matrix X
- b. Process Matrix
- o. Traceability Matrix
- od. None of the above

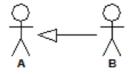
The correct answer is: Traceability Matrix

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following statements about the given diagram clipping are true? (more than one answer)



Select one or more:

- ☑ a. B inherits all of A's associations

 ✓
- b. A inherits all of B's associations
- c. A can execute the same use cases as B
- ☑ d. B can execute the same use cases as A. ✔

The correct answers are: B inherits all of A's associations, B can execute the same use cases as A.

Question 3
Correct

An actor is any entity (human, physical object, or another system) external to the system-to-be that interacts with the system-to-be.

Select one:

Mark 1.00 out of 1.00

● True

False

The correct answer is 'True'.

Question 4

Not answered

Marked out of 1.00

Which of the following statements characterize use cases?

Select one:

- a. Use cases specify the procedural process within a system
- b. Use cases are suitable for modeling interfaces between two systems
- oc. Use cases specify the functionalities and the behavior that the system which is being developed should have.
- od. None of the above

The correct answer is: Use cases specify the functionalities and the behavior that the system which is being developed should have.

Question 5

Correct

Mark 1.00 out of 1.00

Consider the following diagram:



Which of the following is true for the image?

Select one:

- o a. If an instance of A is deleted, the contained instances of B are not affected.
- b. If an instance of B is deleted, all contained instances of A are also deleted.
- d. None of the above

The correct answer is: If an instance of A is deleted, all contained instances of B are also deleted.

Question 6
Partially correct
Mark 0.50 out of 1.00

The association between an actor and a use case is (more than one answer)

Select one or more:

_	Is modeled with a dashed line	_
a.	is modeled with a dashed line	2

- b. Is modeled with a directed line with an arrowhead
- ${
 m extbf{ iny I}}$ c. Is an undirected continuous line ${
 m extbf{ iny I}}$
- d. Is binary

The correct answers are: Is an undirected continuous line, Is binary

Started on	Thursday, 28 September 2023, 1:49 PM
State	Finished
Completed on	Thursday, 28 September 2023, 1:55 PM
Time taken	6 mins
Marks	0.00/6.00
Grade	0.00 out of 100.00
Question 1	
Not answered	
Marked out of 1.00	
Select one: True False The correct answe	ents an activity that an actor can perform on the system and what the system does in response.
Question 2	
Not answered	
Marked out of 1.00	
In UML diagrams, i	relationship between object and component parts is represented by

The correct answer is: aggregation

a. ordinationb. aggregationc. segregationd. increment

23/10/02 6:22	Self-Quiz Unit 3: Attempt review
Question 3	
Not answered	
Marked out of 1.00	
Initiating actor is theactor where as participating act	or is the actor.
Select one:	
a. Secondary, Primary	
b. Primary , Secondary	
c. None of the above	
The correct answer is: Primary , Secondary	
The correct answer is. Fillingly, Secondary	
Question 4	
Not answered	
Marked out of 1.00	
Which of the following statements characterize use cases?	
Which of the following statements that acted to ase cases.	
Select one:	
igcirc a. Use cases specify the procedural process within a syst	em
 b. Use cases are suitable for modeling interfaces betwee 	n two systems
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	that the system which is being developed should have.
Od. None of the above	
The correct anguer is: Use saces specify the functionalities and	I the behavior that the system which is being developed should have.
The correct answer is. Ose cases specify the functionalities and	The behavior that the system which is being developed should have.
Question 5	
Not answered	
Marked out of 1.00	
The association between an actor and a use case is (more that	n one answer)
Select one or more:	
a. Is modeled with a dashed line	
b. Is modeled with a directed line with an arrowhead	
c. Is an undirected continuous line	

The correct answers are: Is an undirected continuous line, Is binary

d. Is binary

The correct answer is 'True'.

Question 6
Not answered
Marked out of 1.00
An actor is any entity (human, physical object, or another system) external to the system-to-be that interacts with the system-to-be.
Select one:
○ True
○ False

https://my.uopeople.edu/mod/quiz/review.php?attempt=11870552&cmid=381200

Started on	Monday, 2 October 2023, 6:13 AM
	Finished
Completed on	Monday, 2 October 2023, 6:15 AM
	1 min 28 secs
	5.00/5.00
Grade	100.00 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	
Widt K 1.00 Odt 61 1.00	
	often fronted by a point-of-contact person. A common pattern is to have a specialized worker to take orders from the trate the workings of the workers inside the system. This type of object is known as Controller.
True ✓	
O False	
The correct answe	r is 'True'.
Question 2	
Correct	
Mark 1.00 out of 1.00	
Analysis phase is o	concerned about the aspect of software engineering where as Design is more focused on aspect.
Select one:	
a. When, Wh	nat Control of the Co
O b. How, Wha	t
c. What, How	v 🗸
d. What, Wh	en
Your answer is cor	rrect.
The correct answe	
THE CONTECT ANSWE	and thing not

Question 3
Correct
Mark 1.00 out of 1.00
This traceability property is critical for a good development method (process), because the design elaboration progresses systematically, without great leaps that are difficult to grasp and/or follow.
Select one:
True ✓
○ False
The correct answer is 'True'.
Question 4
Correct
Mark 1.00 out of 1.00
Domain models represents real - world concepts, not the software components.
Select one:
True ✓
○ False
The correct answer is 'True'.
Question 5
Correct
Mark 1.00 out of 1.00
A popular approach to micro-level design is known as <i>responsibility-driven design</i> (RDD). We know the types of responsibilities that objects can have:
• Type 1 responsibility (knowing): Memorizing data or references, such as data values, data collections, or references to other objects,
represented as a • Type 2 responsibility (doing): Performing computations, such as data processing, control of physical devices, etc., represented as a
• Type 3 responsibility (communicating): Communicating with other objects, represented as sending (method invocation).
Select one:
○ a. Message, Method, Property
● b. Property, Method, Message ✓
c. Method, Property, Message
d. Property, Message, Method
a. Troperty, Message, Method
Your answer is correct.

https://my.uopeople.edu/mod/quiz/review.php?attempt=11887351&cmid=381204

The correct answer is: Property, Method, Message

Started on	Monday, 2 October 2023, 6:15 AM	
State	Finished	
Completed on	Monday, 2 October 2023, 6:16 AM	
Time taken	44 secs	
Marks	4.00/5.00	
Grade	80.00 out of 100.00	
Question 1		

Question I

Incorrect

Mark 0.00 out of 1.00

Object's coupling is indirectly proportional to the number of different messages the object sends to other objects.

Select one:

● True X

False

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

Domain models represents real - world concepts, not the software components.

Select one:

■ True

False

The correct answer is 'True'.

23/10/02 6:22	Self-Quiz Unit 4: Attempt review
Question	3
Correct	
Mark 1.00 out	of 1.00
Analysis p	phase is concerned about the aspect of software engineering where as Design is more focused on aspect.
Select on	e:
○ a. W	hen, What
○ b. H	low, What
c. V	Vhat, How ✔
O d. W	Vhat, When
V	
	ver is correct.
The corre	ct answer is: What, How
Question	4
Correct	
Mark 1.00 out	of 1.00
	cions are often fronted by a point-of-contact person. A common pattern is to have a specialized worker to take orders from the d orchestrate the workings of the workers inside the system. This type of object is known as Controller.
Select on	e:
● True •	
O False	
The second	et anguagia ITmust

Question 5	
Correct	
Mark 1.00 out of 1.00	

A popular approach to micro-level design is known as *responsibility-driven design* (RDD). We know the types of responsibilities that objects can have:

- Type 1 responsibility (knowing): Memorizing data or references, such as data values, data collections, or references to other objects, represented as a _______.
- Type 2 responsibility (doing): Performing computations, such as data processing, control of physical devices, etc., represented as a
- Type 3 responsibility (communicating): Communicating with other objects, represented as ______ sending (method invocation).

Select one:

- o a. Message, Method, Property
- b. Property, Method, Message
- oc. Method, Property, Message
- od. Property, Message, Method

Your answer is correct.

The correct answer is: Property, Method, Message

Monday, 2 October 2023, 6:16 AM
Finished
Monday, 2 October 2023, 6:16 AM
35 secs
5.00/5.00
100.00 out of 100.00

This traceability property is critical for a good development method (process), because the design elaboration progresses systematically, without great leaps that are difficult to grasp and/or follow.

Select one:

■ True

False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Object's coupling is indirectly proportional to the number of different messages the object sends to other objects.

Select one:

True

■ False

23/10/02 6:23	Self-Quiz Unit 4: Attempt review
Question 3	
Correct	
Mark 1.00 out of 1.00	
A popular approach to micro-level design is known as <i>responsi</i> objects can have:	bility-driven design (RDD). We know the types of responsibilities that
represented as a	ces, such as data values, data collections, or references to other objects, h as data processing, control of physical devices, etc., represented as a
Type 3 responsibility (communicating): Communicating with	other objects, represented as sending (method invocation).
Select one:	
a. Message, Method, Property	
c. Method, Property, Message	
d. Property, Message, Method	
Your answer is correct.	
The correct answer is: Property, Method, Message	
The correct answer is. Froperty, Method, Message	
Question 4	
Correct	
Mark 1.00 out of 1.00	
Organizations are often fronted by a point-of-contact person. A clients and orchestrate the workings of the workers inside the	common pattern is to have a specialized worker to take orders from the system. This type of object is known as Controller.
Select one:	
True ✓	
○ False	
The correct answer is 'True'.	
The correct driswer is True.	
Question 5	
Correct	
Mark 1.00 out of 1.00	
Domain models represents real - world concepts, not the softw	are components.
Select one:	
True ✓	
○ False	

Started on	Sunday, 8 October 2023, 6:47 AM
State	Finished
Completed on	Sunday, 8 October 2023, 6:48 AM
Time taken	
Marks	5.00/6.00
Grade	83.33 out of 100.00
Question 1	
Incorrect	
Mark 0.00 out of 1.00	
Select one:	gree to which the source code of a program has been tested. rage, Code coverage erage, Test coverage ** te Test. Unit Test
d. Unit Test,The correct answe	Acceptance Test
Question 2	
Correct	
Mark 1.00 out of 1.00	
Equivalence testin test cases that mu Select one: True False	g divides the input domain into classes of data from which test cases can be derived to reduce the total number of st be developed.
The correct answe	r is 'True'.

23/10/21 20:47	Self-Quiz Unit 5: Attempt review
Question 3 Correct Mark 1.00 out of 1.00	
For an input parameter specified as a Boolean value , partit	ion the value space into one valid and one invalid equivalence class.
Select one:	
True ✓	
○ False	
The correct answer is 'True'.	
Question 4 Correct	
Mark 1.00 out of 1.00	
Boundary value analysis can only be used to do white-box to	esting.
Select one:	
○ True	
False ✓	
The correct answer is 'False'.	
Question 5	
Correct	
Mark 1.00 out of 1.00	
Acceptance tests are normally conducted by the developer?	
Select one:	
○ True	
False ✓	
The correct answer is 'False'.	

https://my.uopeople.edu/mod/quiz/review.php?attempt=11937998&cmid=381210

Question 6	
Correct	
Mark 1.00 out of 1.00	

A **Test**, is an erroneous hardware or software element of a system that can cause the system to fail.

Select one:

O True

■ False

Started on	Sunday, 8 October 2023, 6:48 AM
State	Finished
Completed on	Sunday, 8 October 2023, 6:49 AM
Time taken	1 min 20 secs
Marks	5.00/6.00
Grade	83.33 out of 100.00
Question 1	

Mark 0.00 out of 1.00

Boundary testing and Control-flow testing are criteria for?

Select one:

- a. Unit Testing X
- b. Test Coverage
- c. Code Coverage
- od. None of the above

The correct answer is: Code Coverage

Question 2

Correct

Mark 1.00 out of 1.00

The unit to be tested is also known as the **fixture**.

Select one:

■ True

False



Correct

Mark 1.00 out of 1.00

Selects elements from the "edges" of the equivalence class, or "outliers" such as-zero, min/max values, empty set, empty string, and null, confusion between > and >=, etc. This type of testing is known as

Select one:

- a. Test Coverage
- b. Boundary Testing
- c. Unit Testing
- d. Integration Testing

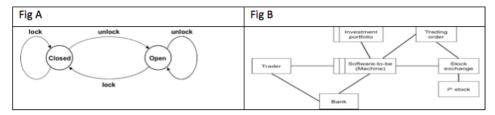
The correct answer is: Boundary Testing

Question 4

Correct

Mark 1.00 out of 1.00

7. Look at the two diagrams and identify them.



Select one:

- a. UML, State
- b. Context, State
- ◎ c. State , Context ✓
- od. None of the above

The correct answer is: State, Context

Question **5**

Correct

Mark 1.00 out of 1.00

A **Test**, is an erroneous hardware or software element of a system that can cause the system to fail.

Select one:

True

False

Question 6	
Correct	
Mark 1.00 out of 1.00	

Acceptance tests are normally conducted by the developer?

Select one:

O True

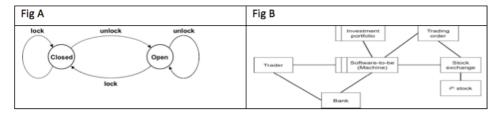
■ False

Started on	Sunday, 8 October 2023, 6:50 AM
State	Finished
Completed on	Sunday, 8 October 2023, 6:50 AM
Time taken	50 secs
Marks	4.00/6.00
Grade	66.67 out of 100.00

Correct

Mark 1.00 out of 1.00

7. Look at the two diagrams and identify them.



Select one:

- a. UML, State
- b. Context, State
- od. None of the above

The correct answer is: State, Context

Question 2

Correct

Mark 1.00 out of 1.00

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.

Select one:

True

False

23/10/21 20:47	Self-Quiz Unit 5: Attempt review
Question 3	
Incorrect	
Mark 0.00 out of 1.00	
Boundary testing and Control-flow testing are criteria	for?
Select one:	
a. Unit Testing	
c. Code Coverage	
Od. None of the above	
The correct answer is: Code Coverage	
Question 4	
Incorrect	
Mark 0.00 out of 1.00	
Select one: a. Test Coverage b. Boundary Testing c. Unit Testing d. Integration Testing ** The correct answer is: Boundary Testing	
Question 5	
Correct	
Mark 1.00 out of 1.00	
For an input parameter specified as a Boolean value	, partition the value space into one valid and one invalid equivalence class.
Select one:	
True ✓	
○ False	
The correct answer is 'True'.	

https://my.uopeople.edu/mod/quiz/review.php?attempt=11938007&cmid=381210

Question 6	
Correct	
Mark 1.00 out of 1.00	

The unit to be tested is also known as the **fixture**.

Select one:

True

False

Started on	Saturday, 14 October 2023, 2:30 PM
State	Finished
Completed on	Saturday, 14 October 2023, 2:31 PM
Time taken	1 min 11 secs
Marks	3.00/6.00
Grade	50.00 out of 100.00

Incorrect

Mark 0.00 out of 1.00

The four basic steps in software project estimation are:

- 1. Estimate the size of the development product. { either Lines of Code (LOC) or Function Points (FP)}
- 2. Estimate the effort in person-months or person-hours.
- 3. Estimate the schedule in calendar months.
- 4. Estimate the project cost in dollars (or local currency)

Select one:

True

False X

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Cohesion is of two types, Internal and Syntactic.

Select one:

True

■ False

223/10/21 20.40 Sch-Quiz Onic 0. / Michigan
Question 3
Correct
Mark 1.00 out of 1.00
Cyclomatic complexity measures software complexity from the machine's viewpoint in terms of how the size of the input data affects
an algorithm's usage of computational resources (usually running time or memory)
Select one:
○ True
False ✓
The correct answer is 'False'.
Question 4
Correct
Mark 1.00 out of 1.00
LOC-based estimation techniques require problem decomposition based on
Select one:
a. information domain values
b. project schedule
○ c. software functions ✓
d. process activities
The correct answer is: software functions
Question 5
Incorrect
Mark 0.00 out of 1.00
Cyclomatic complexity of graph Coguals Hodges I Handes 2
Cyclomatic complexity of graph G equals #edges + #nodes - 2
V(G) = e + n - 2
Select one:
True ★
○ False
The correct answer is 'False'.

Question 6	
Incorrect	
Mark 0.00 out of 1.00	

For a strongly connected graph a *real edge* is created to connect the END node to the BEGIN node

Select one:

True X

False

Started on	Saturday, 14 October 2023, 2:31 PM
State	Finished
Completed on	Saturday, 14 October 2023, 2:32 PM
Time taken	1 min 2 secs
Marks	5.00/6.00
Grade	83.33 out of 100.00
Grade	83.33 out of 100.00

Correct

Mark 1.00 out of 1.00

On the Ordinal Cohesion Scale, rate the following in the Lowest to Highest order of cohesion.

Select one:

- o a. Logical, Coincidental, Sequential, Temporal, Functional
- ob. Coincidental, Sequential, Functional, Temporal, Logical
- ◎ c. Coincidental, Logical, Temporal, Sequential, Functional
- od. Logical, Sequential, Coincidental, Temporal, Functional

The correct answer is: Coincidental, Logical, Temporal, Sequential, Functional

Question 2

Incorrect

Mark 0.00 out of 1.00

4. A ----- is a path that begins and ends at the same node whereas a ----- is a circuit with no node (other than the starting node) included more than once

Select one:

- a. Cycle, Circuit X
- ob. Circuit, Cycle
- c. Valid, Invalid
- d. None of the above

The correct answer is: Circuit, Cycle

723/10/21 20:40 Self-Qu	iz Onit o. Attempt review
Question 3	
Correct	
Mark 1.00 out of 1.00	
The size estimate for a software product to be built must be based on a	direct measure like LOC.
Select one:	
○ True	
False ✓	
⊕ i disc ♥	
The correct answer is 'False'.	
Question 4	
Correct	
Mark 1.00 out of 1.00	
cohesion is difficult to automate	
Select one:	
a. Syntactic	
● b. Semantic ✓	
c. Internal	
d. None of the above	
d. None of the above	
The servest enginer in Corporation	
The correct answer is: Semantic	
_	
Question 5	
Correct	
Mark 1.00 out of 1.00	
For a strongly connected graph a <i>real edge</i> is created to connect the EN	D node to the BEGIN node
Select one:	
○ True	
False ✓	
The correct answer is 'False'.	

Question 6	
Correct	
Mark 1.00 out of 1.00	

Cyclomatic complexity of graph G equals #edges + #nodes - 2

V(G) = e + n - 2

Select one:

O True

■ False

Started on	Saturday, 14 October 2023, 2:32 PM
State	Finished
Completed on	Saturday, 14 October 2023, 2:33 PM
Time taken	44 secs
Marks	6.00/6.00
Grade	100.00 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	

LOC-based estimation techniques require problem decomposition based on

Select one:

- a. information domain values
- ob. project schedule
- d. process activities

The correct answer is: software functions

Question 2 Correct Mark 1.00 out of 1.00

-----cohesion is difficult to automate

Select one:

- a. Syntactic
- b. Semantic

 ✓
- c. Internal
- od. None of the above

The correct answer is: Semantic

)23/10/21 20:48	Self-Quiz Unit 6: Attempt review
Question 3 Correct Mark 1.00 out of 1.00	
The four basic steps in software project estimation are: 1. Estimate the size of the development product. { either Lines 2. Estimate the effort in person-months or person-hours. 3. Estimate the schedule in calendar months. 4. Estimate the project cost in dollars (or local currency) Select one: True ✓ False The correct answer is 'True'.	s of Code (LOC) or Function Points (FP)}
Question 4 Correct Mark 1.00 out of 1.00	
Cyclomatic complexity measures software complexity from the man algorithm's usage of computational resources (usually running Select one: ○ True ○ False ✔ The correct answer is 'False'.	nachine's viewpoint in terms of how the size of the input data affects is time or memory)
Question 5 Correct Mark 1.00 out of 1.00	
Cohesion is of two types, Internal and Syntactic. Select one: ○ True ○ False ✔	

Question 6	
Correct	
Mark 1.00 out of 1.00	

4. A ----- is a path that begins and ends at the same node whereas a ----- is a circuit with no node (other than the starting node) included more than once

Select one:

- a. Cycle, Circuit
- b. Circuit, Cycle

 ✓
- c. Valid, Invalid
- od. None of the above

The correct answer is: Circuit, Cycle

Started on	Saturday, 14 October 2023, 2:33 PM
State	Finished
Completed on	Saturday, 14 October 2023, 2:34 PM
Time taken	30 secs
Marks	6.00/6.00
Grade	100.00 out of 100.00
Question 1 Correct Mark 1.00 out of 1.00	
The size estimate of Select one: ○ True ○ False ✔	for a software product to be built must be based on a direct measure like LOC.
The correct answe	r is 'False'.
Question 2	
Correct	
Mark 1.00 out of 1.00	
On the Ordinal Co	basian Scala, rate the following in the Lowest to Highest order of selection
	hesion Scale, rate the following in the Lowest to Highest order of cohesion.
Select one:	
a. Logical , C	oincidental, Sequential, Temporal, Functional
b. Coinciden	tal, Sequential, Functional, Temporal, Logical
c. Coinciden	tal, Logical, Temporal, Sequential, Functional ✔
d. Logical, Se	equential, Coincidental, Temporal, Functional
The correct answe	er is: Coincidental, Logical, Temporal, Sequential, Functional
Question 3	
Correct	
Mark 1.00 out of 1.00	
Cohesion is of two	types, Internal and Syntactic.
Select one:	
○ True	
False ✓	

Question 4 Correct
Mark 1.00 out of 1.00
LOC-based estimation techniques require problem decomposition based on
Select one:
a. information domain values
b. project schedule
d. process activities
The correct answer is: software functions
Question 5 Correct
Mark 1.00 out of 1.00
The four basic steps in software project estimation are:
 Estimate the size of the development product. { either Lines of Code (LOC) or Function Points (FP)} Estimate the effort in person-months or person-hours. Estimate the schedule in calendar months. Estimate the project cost in dollars (or local currency)
Select one:
True ✓
○ False
The correct answer is 'True'.
Question 6
Correct
Mark 1.00 out of 1.00
Cyclomatic complexity measures software complexity from the machine's viewpoint in terms of how the size of the input data affects an algorithm's usage of computational resources (usually running time or memory)
Select one:
○ True
False ✓
The correct answer is 'False'.

Started on	Saturday, 21 October 2023, 8:41 PM
State	Finished
Completed on	Saturday, 21 October 2023, 8:42 PM
Time taken	1 min 4 secs
Marks	4.00/5.00
Grade	80.00 out of 100.00

Correct

Mark 1.00 out of 1.00

Kerckhoffs' Principle states that a cryptosystem should remain secure even if everything about it other than the key is public knowledge. The security of a system's design is in no way dependent upon the secrecy of the design, in and of itself.

Select one:

■ True

False

The correct answer is 'True'.

Question 2

Incorrect

Mark 0.00 out of 1.00

In the RSA system, the receiver does as follows:

- 1. Randomly select two large prime numbers p and q, which always must be kept secret.
- 2. Select an integer number E, known as the public exponent, such that (p 1) and E have no common divisors, and (q 1) and E have no common divisors.
- 3. Determine the private exponent, D, such that (ED 1) is exactly divisible by both (p 1) and (q 1). In other words, given E, we choose D such that the integer remainder when ED is divided by (p 1)(q 1) is 1.
- 4. Determine the product n = pq, known as public modulus.
- 5. Release publicly the public key, which is the pair of numbers n and E, K = (n, E). Keep secret the private key, K = (n, D).

The above events are mentioned in the correct order as they are performed while writing the algorithm.

Select one:

True X

False

Question 3
Correct
Mark 1.00 out of 1.00
The termis often used to describe modifying the design and/or implementation of a software module without changing its external behavior, and is sometimes informally referred to as "cleaning it up."
Select one:
○ a. Designing
○ b. Factoring
○ c. Refactoring ✓
○ d. Polymorphism
The correct answer is: Refactoring
Question 4
Correct
Mark 1.00 out of 1.00
If you are able to anticipate that the components are likely to be reused in future projects then it is not advisable to use the Pub-Sub design pattern. Select one: True False ✓ The correct answer is 'False'.
Question 5
Correct
Mark 1.00 out of 1.00
Indirect communication is usually used when an object cannot or does not want to know the identity of the object whose method it calls.
Select one:
True ✓
○ False
The correct answer is 'True'.

Started on	Saturday, 21 October 2023, 8:42 PM
State	Finished
Completed on	Saturday, 21 October 2023, 8:43 PM
Time taken	33 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00

Correct

Mark 1.00 out of 1.00

Kerckhoffs' Principle states that a cryptosystem should remain secure even if everything about it other than the key is public knowledge. The security of a system's design is in no way dependent upon the secrecy of the design, in and of itself.

Select one:

■ True

False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Indirect communication is usually used when an object cannot or does not want to know the identity of the object whose method it calls.

Select one:

■ True

False

Question 3 Correct
Mark 1.00 out of 1.00
The termis often used to describe modifying the design and/or implementation of a software module without changing its external behavior, and is sometimes informally referred to as "cleaning it up."
Select one:
○ a. Designing
○ b. Factoring
○ c. Refactoring ✓
○ d. Polymorphism
The correct answer is: Refactoring
Question 4
Correct
Mark 1.00 out of 1.00
If you are able to anticipate that the components are likely to be reused in future projects then it is not advisable to use the Pub-Sub design pattern.
Select one:
○ True
False ✓
The correct answer is 'False'.
Question 5
Correct
Mark 1.00 out of 1.00
In the RSA system, the receiver does as follows:
1. Randomly select two large prime numbers p and q, which always must be kept secret.
2. Select an integer number E, known as the public exponent, such that (p 1) and E have no common divisors, and (q 1) and E
have no common divisors. 3. Determine the private exponent, D, such that (ED 1) is exactly divisible by both (p 1) and (q 1). In other words, given E, we
choose D such that the integer remainder when ED is divided by (p 1)(q 1) is 1.
4. Determine the product $n = pq$, known as public modulus.
5. Release publicly the public key, which is the pair of numbers n and E, K = (n, E). Keep secret the private key, K = (n, D).
The above events are mentioned in the correct order as they are performed while writing the algorithm.
Select one:
○ True
False ✓

Started on	Saturday, 21 October 2023, 8:43 PM
State	Finished
Completed on	Saturday, 21 October 2023, 8:43 PM
Time taken	35 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00
Question 1	
Correct	
Mark 1.00 out of 1.00	
 Select have n Deterr choose Deterr Release 	mly select two large prime numbers p and q, which always must be kept secret. an integer number E, known as the public exponent, such that (p 1) and E have no common divisors, and (q 1) and E to common divisors. nine the private exponent, D, such that (ED 1) is exactly divisible by both (p 1) and (q 1). In other words, given E, we e D such that the integer remainder when ED is divided by (p 1)(q 1) is 1. nine the product n = pq, known as public modulus. e publicly the public key, which is the pair of numbers n and E, K = (n, E). Keep secret the private key, K = (n, D). are mentioned in the correct order as they are performed while writing the algorithm.
Select one:	
O True	
False	

The correct answer is 'False'.

Correct

Mark 1.00 out of 1.00

The term ______is often used to describe modifying the design and/or implementation of a software module without changing its external behavior, and is sometimes informally referred to as "cleaning it up."

Select one:

- a. Designing
- b. Factoring
- ◎ c. Refactoring
- od. Polymorphism

The correct answer is: Refactoring

Question 3 Correct
Mark 1.00 out of 1.00
Indirect communication is usually used when an object cannot or does not want to know the identity of the object whose method it calls.
Select one:
True ✓
○ False
The correct answer is 'True'.
4
Question 4
Correct Mark 1.00 out of 1.00
Kerckhoffs' Principle states that a cryptosystem should remain secure even if everything about it other than the key is public knowledge. The security of a system's design is in no way dependent upon the secrecy of the design, in and of itself.
Select one:
True ✓
○ False
The correct answer is 'True'.
Question 5
Correct
Mark 1.00 out of 1.00
If you are able to anticipate that the components are likely to be reused in future projects then it is not advisable to use the Pub-Sub design pattern.
Select one:
○ True
False ✓
The correct answer is 'False'.

https://my.uopeople.edu/mod/quiz/review.php?attempt=12127301&cmid=381219