Name: Score:	
	- /
3rd hourly	
_	contains a total of 65 questions. All questions are MCQs or True and False.  negative marking. You have about 1 minute 10 seconds for each question. You only ONCE!
Part 1	
arcı	
soft	is concerned with the practicalities of developing and delivering useful ware.
0	A. Computer Science
0	B. Computer Engineering
0	C. Requirements Engineering
0	D. Software Engineering
soft	is defined as a structured set of activities required for the development of a ware system
0	A. Software Engineering
0	B. Software process
0	C. Software Modelling
0	D. Requirements Engineering

In waterfall process, planning is incremental and it is easier to change the process to reflect changing customer requirements  True  False
The main drawback of the waterfall model is the difficulty of accommodating change after the process is underway.  True  False
In the Incremental model it is not easy to get customer feedback on the development work that has been done.  True  False
In Incremental model more rapid delivery and deployment of useful software to the customer is possible.  True  False
In incremental development, the process is not visible to the managers  True  False
As you add more increments, the system structure does not degrade in an incremental model.  True  False

In Scrum, once the first sprint is planned, we can easily throw away the project backlog.  True  False
Another name of the Scrum Master is Project Manager  True  False
Which one of these is not a stakeholder type?  A. End user  B. System managers  C. System owners  D. External Stakeholders  E. System Developers
The Scrum term means the estimate of how much product backlog effort that a team can cover in a single sprint.  A. Speed  B. Velocity  C. Progress  D. Update
A use case in UML is drawn aswith a name that describes the interaction that it represents  A. A rectangle  B. A rounded rectangle  C. A circle  D. An oval

Use-cases are supposed to explain all the steps that must be taken in order to fulfill a requirement  True  False
The straight lines in use cases exhibit data transfer between the actor and the use case  True  False
In a use-case diagram, the actors must be placed inside the system's boundary  True  False
The < <extend>&gt; relationship shows that a use-case is a type of another use-case.  True  False</extend>
Use cases define a system's functional and non-functional requirements  True  False
The speed with which an answer should be found by an algorithm is considered to be a functional requirement  True  False

The straight line that connects an actor with a use case is called a
A. data line
C B. communication line
C. relationship line
C D. connection line
The relationship declares that the use case at the head of the dotted arrow completely reuses all of the steps from the use case being included A. include
C B. extend
C. inheritance
While using requirements compromises are inevitable and this may lead to a system that does not meet the real needs of users  A. waterfall model
C B. incremental model
C. reuse oriented software development
During An estimate is made of whether the identified user needs may be satisfied using current software and hardware technologies.  A. designing
C B. requirements elicitation
C. feasibility study
C D. prototyping
During incremental development, the aim is to create throwable prototypes continuously till the customer is satisfied as to what kind of software he/she wants  True  False
raise

Agile methodology emphasizes creation of well structured documentation.  True
C False
<ul> <li>which of the following diagrams is time oriented</li> <li>A. Use case diagram</li> <li>B. Class diagram</li> <li>C. Activity diagram</li> <li>D. Sequence Diagram</li> </ul>
Which of the following diagrams represents the interaction of the user with the software but tells nothing about the internal working of the software?  A. Use case diagrams  B. Activity diagrams  C. Sequence Diagrams  D. Class diagrams
< <extend>&gt; relationship shows that one use case is a special type of anothe use case  True  False</extend>
A communication line in a Use case diagram is shown by a  A. dotted line B. straight line C. arrow D. dotted arrow
Time runs from left to right in a sequence diagram  True  False

How many views of software can be represented through the Unified Modeling Language (UML)?  A. 3  B. 4  C. 5  D. 6
A UML diagram that facilitates requirements gathering and interacts between system and external users, is called as  A. Activity Diagram  B. Class Diagram
C. Use Case Diagram
C D. Sequence Diagram
While defining a class, discarding irrelevant details within a given context is called  A. Encapsulation B. Abstraction C. Realization D. Generalization
enables a class to hide the inner details of how it works from the outside world  A. Encapsulation  B. Abstraction  C. Realization  D. Generalization
While designing software, it is preferable to use composition over generalization  True  False

During generalization, the private attributes of the base class are not inherited by the child class  True  False
During generalization, the protected attributes of the base class are not inherited by the child class  True  False
If a base class's reference is pointing towards a child class's object, then it can call the functions defined in the child class  True  False
in a class diagram there are ways to define a class  A. 2  B. 3  C. 4  D. 5
attributes and operations having package visibility are specified using the symbol O A. # O B. ~ C. + O D
A static attribute in UML is always  A. Bold B. Italicized C. Underlined

Aggregation is a stronger class relationship than composition  True  False
Always use vector graphics for your icons. It's the easiest way to ensure your icons will look sharp in any device or resolution  True  False
In an activity diagram, a decision should always end up at a join  True  False
The activity final node, drawn as a filled circle, marks the end of the activity  True  False
while testing, a successful test is a test that makes the system perform correctly thus verifying that all the bugs were fixed.  True  False
Verification means: "Are we building the right product".
Validation means: "Are we building the product right".
C True C False

True  False
Inspections and testing are opposing verification techniques  True  False
Inspections cannot check non-functional characteristics such as performance, usability, etc.  True  False
In component testing individual program units or object classes are tested  True  False
Inheritance makes it more difficult to design object class tests as the information to be tested is not localised.  True  False
Unit tests should always be done manually because automated tests may have errors in themselves  True  False

In testing, where you identify groups of inputs that have common characteristics and should be processed in the same way  A. Unit
C B. Partition
C. Component
C D. System
System testing checks that units are compatible, interact correctly and transfer the right data at the right time across their interfaces  True  False
Test-driven development (TDD) is an approach to program development in which you write tests once a feature has been coded properly.  True  False
Regression testing is testing the system to check that changes have not 'broken' previously working code.  True
C False
Release testing is a form of testing  A. system  B. component  C. unit  D. regression
User testing is not essential when comprehensive system and release testing have been carried out  True  False

The three types of user testing are alpha, beta and gamma testing  True
C False
In Agile methods there is no separate acceptance testing process.  True  False
In Scrum, is a big chunk of work which can be divided into smaller user stories  A. Epic B. Eulogy C. Mega D. Meta
In Extreme programming increments are delivered every weeks  A. 2  B. 3  C. 4  D. 5
In Scrum, developers work in pairs, checking each other's work and providing the support to always do a good job  True  False
In XP, large amounts of overtime is acceptable as the developers are always short on time  C True  False