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CS504 Solved Grand Quiz 2020

Question No 1

Which of the following is not the object model principle?

Select Correct Option

- ✓ Abstraction
- ✓ Encapsulation
- ✓ Hierarchy or inheritance
- ✓ **Exposure**.....([For More Visit VUStudents.pk](https://VUStudents.pk))

Question No 2

Return values in Synchronous messages are represented by:

Select Correct Option

- ✓ A solid line
- ✓ A dotted line with label
- ✓ **A solid line with label**.....([For More Visit VUStudents.pk](https://VUStudents.pk))
- ✓ Double line

Question No 3

The _____ relationship is kind of a generalization specialization relationship.

Select Correct Option

- ✓ Bit=byte
- ✓ Uses
- ✓ Binary
- ✓ **Extends**.....([For More Visit VUStudents.pk](https://VUStudents.pk))

Question No 4

The architecture components for product engineering are

Select Correct Option

- ✓ **Data, hardware, software, people**.....([For More Visit VUStudents.pk](https://VUStudents.pk))
- ✓ Data, documentation, hardware, software
- ✓ Data, hardware, software, procedures
- ✓ Documentation, hardware, people, procedures



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Question No 5

A context diagram is used

Select Correct Option

- ✓ As the first step in developing a detailed DFD of a system
- ✓ **In systems analysis of very complex systems**
- ✓ As an aid to system design
- ✓ As an aid to programmer

Question No 6

Consider the following piece of code:

```
Public class Square extends Shape {  
// some code  
}
```

The above code is an example of:

Select Correct Option

- ✓ Part-Whole relationship
- ✓ Generalization/Specialization
- ✓ **Data Sharing**.....(For More Visit VUStudents.pk)
- ✓ Data encapsulation

Question No 7

When two components of a system are using the same global data area, they are related as

Select Correct Option

- ✓ Data Coupling
- ✓ Content Coupling
- ✓ **Common Coupling**.....(For More Visit VUStudents.pk)
- ✓ External Coupling





Question No 8

The context diagram is used as the top level abstraction in a _____ developed according to principles of structures analysis.

Select Correct Option

- ✓ **Dataflow diagram**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Activity Diagram
- ✓ State Transition Diagram
- ✓ Use Case Diagram

Question No 9

In the case of _____ in a system, module boundaries are not well defined.

Select Correct Option

- ✓ Low cohesion
- ✓ **High coupling**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Low coupling
- ✓ High cohesion

Question No 10

In UML based Object Oriented model of a system, the association relation between two objects is depicted by _____.

Select Correct Option

- ✓ A straight line
- ✓ A filled diamond sign on the whole side of the line
- ✓ **An unfilled diamond sign on the Whole side of the line**
- ✓ An arrowhead sign on one side of the line

Question No 11

External Entity may be

Select Correct Option

- ✓ Source of input data only
- ✓ **Source of input data or destination or results**
- ✓ Destination of results only
- ✓ Repository of data





Question No 12

In UML based Object Oriented model of a system, the inheritance between two classes is shown by a _____ sign towards the super-class side on the association line between the two.

Select Correct Option

- ✓ A filled diamond
- ✓ An unfilled diamond
- ✓ A half arrowhead
- ✓ **An arrowhead**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 13

_____ are kind of umbrella activities that are used to smoothly and successfully perform the construction activities.

Select Correct Option

- ✓ Design Activities
- ✓ **Management Activities**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Testing Activities
- ✓ Maintenance Activities

Question No 14

_____ is not the part of Peter Coad methodology.

Select Correct Option

- ✓ Select Actors
- ✓ Select participants
- ✓ Select places
- ✓ **Select actions**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 15

An object model of a system captures the _____ structure of a system.

Select Correct Option

- ✓ **Static**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Dynamic
- ✓ Iterative
- ✓ Hierarchal





Question No 16

As per Peter Coad's methodology, which of the following may NOT be a perfect candidate for being an object?

Select Correct Option

- ✓ Zone
- ✓ Recipient
- ✓ Garage
- ✓ **Password**.....(For More Visit VUStudents.pk)

Question No 17

The system model template contains which of the following elements

Select Correct Option

- ✓ Input
- ✓ Output
- ✓ System Out
- ✓ **Input / Output**.....(For More Visit VUStudents.pk)

Question No 18

A _____ is not the real product but just a real looking mock-up of what would be eventually delivered.

Select Correct Option

- ✓ Software
- ✓ Program
- ✓ **Prototype**.....(For More Visit VUStudents.pk)
- ✓ Test Case

Question No 19

USL is a language for _____.

Select Correct Option

- ✓ High-level programming
- ✓ Low-level Programming
- ✓ **Modeling and Design**.....(For More Visit VUStudents.pk)
- ✓ Creating Diagrams only





Question No 20

In multiprocessing applications, different execution threads may pass information to one another by sending _____ to each other.

Select Correct Option

- ✓ Interrupt calls
- ✓ Synchronous messages
- ✓ **Asynchronous messages**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Systems calls

Question No 21

To construct a system model the engineer should consider one of the following restraining factors?

Select Correct Option

- ✓ **Assumptions and constrains**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Budget and expenses
- ✓ Data objects and operations
- ✓ Schedule and milestones

Question No 22

A software requirement document describes all the _____ provided by the system along with the constraints under which it must operate.

Select Correct Option

- ✓ Conditions
- ✓ **Services**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Event
- ✓ Processes

Question No 23

In “Point of Sale system”, the term “Payment” represents

Select Correct Option

- ✓ Actor
- ✓ Participant
- ✓ **Transaction**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Container





Question No 24

A _____ relationship indicates that one entity is composed of one or more parts which are themselves instances of that or another entity

Select Correct Option

- ✓ Inheritance
- ✓ **Whole-part**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Generalization
- ✓ Specialization

Question No 25

An arrow in Data Flow Diagram (DFD) represents

Select Correct Option

- ✓ Direction of flow of data
- ✓ **Processing of data**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ External agent
- ✓ Internet agent

Question No 26

In sequence diagram, the boxes denotes

Select Correct Option

- ✓ **Objects (or classes)**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Messages, sent from one object to other
- ✓ Life-time of objects
- ✓ Relationships

Question No 27

Which of the given component of software engineering framework provides different techniques that can be used to perform a particular task?

Select Correct Option

- ✓ **Processes**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Tools
- ✓ Methods
- ✓ Quality Focus





Question No 28

Which of the following is not supported by a maintainable design?

Select Correct Option

- ✓ **Change**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Debugging
- ✓ Adding new features
- ✓ Higher maintenance cost

Question No 29

A necessary supplement to transform or transaction mapping needed to create a complete architectural design is

Select Correct Option

- ✓ Entity relationship diagrams
- ✓ The data dictionary
- ✓ **Processing narratives for each module**
- ✓ Test cases for each module

Question No 30

A prototype is not the real product. It is rather just a real looking _____ of what would be eventually delivered and might not do anything useful.

Select Correct Option

- ✓ **Mock-up**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Ad-hoc
- ✓ Design
- ✓ Structure

THE END

