

Question # 1 of 30 (Start time: 03:54:19 PM, 26 December 2020)

Tot

In Object Oriented Design, _____ layer contains the details that enable each object to communicate with its collaborators.

Select the correct option



subsystem



responsibility



message



object

Question # 2 of 30 (Start time: 03:55:19 PM, 26 December 2020)

Tot

UML stands for _____

Select the correct option



Universal Modeling Language



Unified Modeling Language



Usable Modeling Language



United Method Language

Question # 3 of 30 (Start time: 03:56:12 PM, 26 December 2020)

Tot

Which one of the following is the external quality of a software product?

Select the correct option



Correctness



Concision



Cohesion



Low Coupling

Question # 3 of 30 (Start time: 03:56:12 PM, 26 December 2020)

Tot

Which one of the following is the external quality of a software product?

Select the correct option



Correctness



Concision



Cohesion



Low Coupling

Question # 4 of 30 (Start time: 03:57:31 PM, 26 December 2020)

Tot

A cohesive Class is one which emphasizes on ____ unit of functionality

Select the correct option



Single



Multiple



Static



Both Single and Multiple

Question # 5 of 30 (Start time: 03:57:50 PM, 26 December 2020)

Tot

Coupling is a measure of _____ of a module or component.

Select the correct option

☒	Independence
☐	Dependence
☐	Aggregation
☐	Composition

Question # 6 of 30 (Start time: 03:58:44 PM, 26 December 2020)

Tot

A context diagram:

Select the correct option



describes detailed design of a system



is a DFD which gives an overview of the system



is a detailed description of a system



is not used in drawing a detailed DFD

Question # 7 of 30 (Start time: 03:59:44 PM, 26 December 2020)

Tot

In case of a _____ message, the called routine that handles the message is completed before the caller resumes execution.

- a. Synchronous
- b. Asynchronous
- c. Bidirectional

Select the correct option

☒

a only

☐

b only

☐

c only

☐

both b and c

Question # 7 of 30 (Start time: 03:59:44 PM, 26 December 2020)

Tot

In case of a _____ message, the called routine that handles the message is completed before the caller resumes execution.

- a. Synchronous
- b. Asynchronous
- c. Bidirectional

Select the correct option

☒

a only

☐

b only

☐

c only

☐

both b and c

Question # 8 of 30 (Start time: 04:01:17 PM, 26 December 2020)

Tot

A tangible entity in the real life is called _____.

Select the correct option



Functions



Object



Class



Sub-Class

Question # 9 of 30 (Start time: 04:01:46 PM, 26 December 2020)

Tot

In sequence diagram, the boxes denote:

Select the correct option



Objects (or classes)



Messages, sent from one object to other



Life-time of Objects



Relationships

Question # 10 of 30 (Start time: 04:02:31 PM, 26 December 2020)

Tot

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

Select the correct option



accessibility and reliability



data and control



functionality



implementation details

Question # 12 of 30 (Start time: 04:05:36 PM, 26 December 2020)

Tot

Sequence of messages can be present in:

- a. Use case diagram
- b. Sequence diagram
- c. Collaboration diagram

Select the correct option



a only



b only



c only



b and c

Question # 13 of 30 (Start time: 04:07:02 PM, 26 December 2020)

Tot

Whole Part Structure is also called _____

Select the correct option



Generalization



Aggregation



Specialization



Association

Question # 14 of 30 (Start time: 04:08:36 PM, 26 December 2020)

Tot

Sequence diagrams:

Select the correct option



Provide the static behavior



Provide Data Flow



Provide a time-based view



Provide parallel data flow

Question # 15 of 30 (Start time: 04:09:59 PM, 26 December 2020)

Tot

The _____ provides the software engineer with a view of the system as a whole.

Select the correct option



Process Model



Architectural Model



Business model



Requirements Model

Question # 16 of 30 (Start time: 04:11:33 PM, 26 December 2020)

Tot

In _____ phase of software development, Requirement Analyst focuses on possible design of the proposed solution.

Select the correct option

☒	Maintenance
☐	Development
☐	Definition
☐	Vision

Question # 17 of 30 (Start time: 04:12:42 PM, 26 December 2020)

Tot

A DFD is normally leveled (adding more levels of abstraction) as

Select the correct option



it is a good idea in design



it is recommended by many experts



it is easy to do it



it is easier to read and understand a number of smaller DFDs than one large DFD

Question # 18 of 30 (Start time: 04:13:16 PM, 26 December 2020)

Tot

Which of the following is not the object model principle?

Select the correct option

☐

Abstraction

☐

Encapsulation

☐

Hierarchy or inheritance

☒

Exposure

Question # 19 of 30 (Start time: 04:13:53 PM, 26 December 2020)

Tot

Data cannot flow from one external entity to other external entity because:

Select the correct option



It will get corrupted



It is not allowed in DFD



An external entity has no mechanism to read or write



Both are outside the context of the system

Question # 20 of 30 (Start time: 04:15:01 PM, 26 December 2020)

Tot

Requirement engineering mainly deals with the _____ of the system.

Select the correct option



Vision Phase



Definition Phase



Development Phase



Maintenance Phase

Question # 20 of 30 (Start time: 04:15:01 PM, 26 December 2020)

Tot

Requirement engineering mainly deals with the _____ of the system.

Select the correct option



Vision Phase



Definition Phase



Development Phase



Maintenance Phase

Question # 21 of 30 (Start time: 04:16:11 PM, 26 December 2020)

Tot

The project manager would need _____ document to monitor and track the progress of the project.

Select the correct option



Design



Project



Requirement



Planning

Question # 22 of 30 (Start time: 04:17:42 PM, 26 December 2020)

Tot

_____ is concerned with decomposing a system into interacting sub-systems.

Select the correct option



System Structuring



Control Modeling



Modular Decomposition



Work Breakdown Structure

Question # 22 of 30 (Start time: 04:17:42 PM, 26 December 2020)

Tot

_____ is concerned with decomposing a system into interacting sub-systems.

Select the correct option



System Structuring



Control Modeling



Modular Decomposition



Work Breakdown Structure

Question # 23 of 30 (Start time: 04:18:38 PM, 26 December 2020)

Tot

Defining the services of an object means:

Select the correct option



What it does?



What it knows?



Who knows it?



Whome it knows?

Question # 23 of 30 (Start time: 04:18:38 PM, 26 December 2020)

Tot

Defining the services of an object means:

Select the correct option



What it does?



What it knows?



Who knows it?



Whome it knows?

Question # 24 of 30 (Start time: 04:19:11 PM, 26 December 2020)

Tot

Software Engineering is the combination of tools, techniques and _____.

Select the correct option



Testing



Processes



Maintenance



Design

Question # 25 of 30 (Start time: 04:19:41 PM, 26 December 2020)

Tot

In case of _____ approach, decomposition of a problem revolves around data.

Select the correct option



Object-oriented



Action-oriented



Event-oriented



Process-oriented

Question # 26 of 30 (Start time: 04:20:39 PM, 26 December 2020)

Tot

Return values in synchronous messages are:

Select the correct option



Compulsory



May not used when response is obvious



Not used at all



represented by solid lines

Question # 27 of 30 (Start time: 04:21:00 PM, 26 December 2020)

Tot

A "register" in "Point of sale system" is an example of:

Select the correct option



Actor



Participant



Tangible thing



Transaction

Question # 28 of 30 (Start time: 04:21:53 PM, 26 December 2020)

To

All the documents related to the software are also considered as part of the _____.

Select the correct option

☐	Physical Document
☐	Logical Document
☐	Relational Database
☒	Software

Question # 29 of 30 (Start time: 04:23:24 PM, 26 December 2020)

Tot

_____ pointed out the elegant conceptual integrity exhibited by layered organization of software systems, with the resulting gains in development and maintenance ease.

Select the correct option



David Parnas



Shaw and Garlan



Barry Boehm



Edsger Dijkstra

Question # 30 of 30 (Start time: 04:24:32 PM, 26 December 2020)

Tot

_____ is a technique in which we construct a model of an entity based upon its essential characteristics and ignore the inessential details.

Select the correct option



Inheritance



Polymorphism



Aggregation



Abstraction