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A Good Education is a Foundation For a Better Future
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.

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Best of luck!

PAST PAPER

TEAM HADI(VU)JHS SOFTWARE HOUSE

CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 1 of 30 (Start time: 03:49:43 PM, 26 December 2020)

Total Marks: 1

Sequence diagrams:

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Select the correct option

- ○ Provide the static behavior
- ○ Provide Data Flow
- ● Provide a time-based view
- ○ Provide parallel data flow

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 3 of 30 (Start time: 03:52:53 PM, 26 December 2020) **Total Marks:** 1

Identifying Whole-Part structures (Aggregations) means what are my _____

Select the correct option

- (●) Components
- ( ) Attributes
- ( ) Methods
- ( ) Messages

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 4 of 30 (Start time: 03:53:52 PM, 26 December 2020) **Total Marks:** 1

Construction activities are directly related to software _____.

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Select the correct option

- Management
- Planning
- Quality Assurance
- Development

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 5 of 30 (Start time: 03:55:20 PM, 26 December 2020) **Total Marks:** 1

In Data Flow Diagram, the entity or system, outside the boundary of this system is called

Select the correct option

- Process
- Data Flow
- External Agent
- Data Store

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 7 of 30 (Start time: 03:57:39 PM, 26 December 2020)

Total Marks: 1

In Abbot's Textual Analysis technique, the proper noun (e.g. Mehdi Hassan) represents

Select the correct option

- Class
- Instance
- Inheritance
- Aggregation

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 8 of 30 (Start time: 03:58:21 PM, 26 December 2020)

Total Marks: 1

The data on which the program operates is also considered as part of the _____.

Select the correct option

- Important Data
- Software
- Logical Data
- Utility Software

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 10 of 30 (Start time: 04:00:39 PM, 26 December 2020)

Total Marks: 1

In object oriented design, _____ layer contains the data structures and algorithmic design for all attributes and operations for each object.

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Select the correct option

- Subsystem
- Class and Object
- Message
- Responsibility

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 13 of 30 (Start time: 04:05:35 PM, 26 December 2020)

Total Marks: 1

_____ is an extremely powerful technique for dealing with complexity.

Select the correct option

- Aggregation
- Abstraction
- Inheritance
- Association

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 14 of 30 (Start time: 04:07:11 PM, 26 December 2020)

Total Marks: 1

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

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Select the correct option

- Inheritance
- Whole-part
- Generalization
- Specialization

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 15 of 30 (Start time: 04:07:55 PM, 26 December 2020) **Total Marks:** 1

The system model template contains which of the following elements

Select the correct option

- ○ Input
- ○ Output
- ○ System Out
- ● Input / Output

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 16 of 30 (Start time: 04:09:28 PM, 26 December 2020)

Total Marks: 1

Many of the problems encountered in Software development are attributed to shortcoming in _____.

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Select the correct option

- (●) Requirement Gatherings
- ( ) Coding
- ( ) Testing
- ( ) Maintenance

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 17 of 30 (Start time: 04:10:14 PM, 26 December 2020) **Total Marks:** 1

In sequence diagram, the objects are organized in a _____ line and the events in a _____ time line.

Select the correct option

- ○ Horizontal, straight
- ○ Vertical, straight
- ● Horizontal, vertical
- ○ Vertical, horizontal

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 18 of 30 (Start time: 04:11:03 PM, 26 December 2020) **Total Marks:** 1

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

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Select the correct option

- Change
- debugging
- Adding new features
- Higher maintenance cost

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 19 of 30 (Start time: 04:12:42 PM, 26 December 2020) **Total Marks:** 1

The _____ relationship is kind of a generalization specialization relationship.

Select the correct option

- ○ Bit-Byte
- ○ Uses
- ○ Binary
- ● Extends

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Question # 21 of 30 (Start time: 04:14:32 PM, 26 December 2020) Total Marks:

Normally a System will be more easy to modify if its modules have:

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Select the correct option

- ○ High coupling and High cohesion.
- ○ High coupling and Low cohesion.
- ● Low coupling and High cohesion.
- ○ Low coupling and Low Cohesion.

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 22 of 30 (Start time: 04:15:29 PM, 26 December 2020) **Total Marks:** 1

Which of the following is NOT among one of the four layers of the Object Oriented (OO) design pyramid

Select the correct option

- ○ The subsystem layer
- ○ The class and object layer
- ● The Abstract layer
- ○ The message layer

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Quiz Start Time: 03:49 PM, 26 December 2020

Question # 25 of 30 (Start time: 04:19:06 PM, 26 December 2020)

Total Marks: 1

A _____ is a system component that provides services to other components but would not normally be considered as a separate system.

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Select the correct option

- Method
- Module
- Message
- Relationship

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 24 of 30 (Start time: 04:17:51 PM, 26 December 2020)

Total Marks: 1

There are _____most important characteristics of an object.

Select the correct option

- Six
- Four
- Two
- Three

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 26 of 30 (Start time: 04:19:48 PM, 26 December 2020)

Total Marks: 1

In "Railway ticket reservation system" the roles such as inquiry, reservation, ticketing and cancellation are to be performed by the user called:-

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Select the correct option

- (●) Passenger
- ( ) System analyst
- ( ) System developer
- ( ) System designer

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 28 of 30 (Start time: 04:22:02 PM, 26 December 2020) **Total Marks:** 1

In the case of _____ approach, data is decomposed according to functionality requirements.

Select the correct option

- Object-oriented
- Action-oriented
- Event-oriented
- Process-oriented

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 29 of 30 (Start time: 04:23:15 PM, 26 December 2020)

Total Marks: 1

In Data Flow Diagram (DFD), one data store cannot directly copy the data from another _____ .

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Select the correct option

- Agent
- Process
- Data store
- Flow

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 30 of 30 (Start time: 11:46:07 PM, 26 December 2020) **Total Marks:** 1

Return values in Synchronous messages are represented by:

Select the correct option

- A solid line
- A dotted line with label
- A solid line with label
- Double line

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 25 of 30 (Start time: 11:43:31 PM, 26 December 2020)

Total Marks:

At which stage of software development loop, results are delivered?

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Select the correct option

- Problem definition
- Solution integration
- Technical development
- Status quo

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 20

Question # 8 of 30 (Start time: 11:32:47 PM, 26 December 2020)

Total Marks

Which elements of business processing engineering are the responsibilities of the software engineer?

Select the correct option

- business area analysis
- business system design
- product planning
- information strategy planning

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 5 of 30 (Start time: 11:30:55 PM, 26 December 2020)

Total Marks: 1

_____ diagram does not capture control flow information, it just shows the flow of the data in a system.

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Select the correct option

- Sequence
- Data Flow
- Activity
- Class

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 17 of 30 (Start time: 11:38:23 PM, 26 December 2020) **Total Marks:** 1

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

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Quiz Start Time: 11:28 PM, 26 December 2020

Question # 16 of 30 (Start time: 11:37:46 PM, 26 December 2020)

Total Marks: 1

Transactions are the _____ that must be remembered through time.

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Select the correct option

- (●) Events
- ( ) Actions
- ( ) Triggers
- ( ) Methods

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 23 of 30 (Start time: 11:42:14 PM, 26 December 2020) **Total Marks:** 1

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

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 6 of 30 (Start time: 11:31:44 PM, 26 December 2020) **Total Marks:** 1

In sequence diagram, the boxes denote:

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Select the correct option

- (●) Objects (or classes)
- ( ) Messages, sent from one object to other
- ( ) Life-time of Objects
- ( ) Relationships

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 22 of 30 (Start time: 11:41:40 PM, 26 December 2020)

Total Marks: 1

In a top-down system analysis, a/an _____ is required to develop high level view of the system at first.

Select the correct option

- (●) Analyst
- ( ) Designer
- ( ) Tester
- ( ) Developer

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CS504:Grand Quiz

Quiz Start Time: 03:49 PM, 26 December 2020

Question # 9 of 30 (Start time: 03:59:02 PM, 26 December 2020)

Total Marks: 1

In the case of _____, intra component linkages are stronger while inter component linkages are weak.

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Select the correct option

- high cohesion
- low coupling
- low cohesion
- high coupling

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 10 of 30 (Start time: 11:34:15 PM, 26 December 2020)

Total Marks: 1

The modules interacting with each other through message passing have _____ between them.

Select the correct option

- (●) low cohesion
- ( ) high cohesion
- ( ) low coupling
- ( ) high couling

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Question # 24 of 30 (Start time: 11:42:44 PM, 26 December 2020) Total Marks

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

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Select the correct option

- accessibility and reliability
- data and control
- functionality
- implementation details

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 21 of 30 (Start time: 11:40:48 PM, 26 December 2020)

Total Marks: 1

Which of the following is NOT among one of the four layers of the Object Oriented (OO) design pyramid

Select the correct option

- The subsystem layer
- The class and object layer
- The Abstract layer
- The message layer

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CS504:Grand Quiz

Quiz Start Time: 11:28 PM, 26 December 2020

Question # 12 of 30 (Start time: 11:35:03 PM, 26 December 2020)

Total Marks: 1

The system model template contains which of the following elements

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Select the correct option

- Input
- Output
- System Out
- Input / Output

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