

VIRTUAL UNIVERSITY OF PAKISTAN

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CORRECT ANSWER SOLVED BY HADI
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

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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!



Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

What is the most crucial non-functional requirement of a system to control radiation dosages that are emitted as treatment for cancer?

Answer (Please select your correct option)



Accuracy



Security



Reliability



Usability

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an objective for building an analysis model?

Answer (Please select your correct option)

- ☐ Define set of software requirements
- ☐ Describe customer requirements
- ☒ Develop an abbreviated solution for the problem
- ☐ Establish basis for software design



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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

CRUD operations do not include _____

Answer (Please select your correct option)

☐ Create

☐ Read

☐ Update

☒ Flow

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not considered as benefit of prototyping?

Answer (Please select your correct option)

- ☐ Provide rapid feedback from the user to the designer
- ☐ Help validate requirements with fewer errors
- ☐ Enhance designer and user understanding of what system should accomplish
- ☒ Prototyping is a technique that can be used to reduce customer satisfaction



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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

"isAuthorized", "assess Performance", are the examples of

Answer (Please select your correct option)

☐ Properties

☒ Services

☐ Attributes

☐ Links

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

Cohesion is about making sure that each component does _____ thing(s) and does it well.

Answer (Please select your correct option)

☐ Three

☐ Two

☐ Infinite

☒ One



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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

Static components of an OOA model are _____

Answer (Please select your correct option)

☐

Focus on control

☐

Not reusable

☐

Sensitive to timing and event processing

☒

Structural in nature



Correct answer solved by hadi
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Email: usmanraj20@gmail.com

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

OOA is intended to define-----, their relationships, and their behavior.

Answer (Please select your correct option)

☐ Variables

☐ Classes

☒ Objects

☐ Subjects



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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not part of software architecture?

not include
22 chp

Answer (Please select your correct option)

☒

Algorithm details

☐

Databases

☐

Data design

☐

Program structure

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

The vision statement should reflect a _____ that will satisfy the need of diverse customers.

Answer (Please select your correct option)

☒ Balanced View



☐ System view

☐ Functional View

☐ Non Functional View

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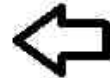
Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

Use cases describe the system as a _____ and hide the internal details from the user.

Answer (Please select your correct option)

☒ Black Box



☐ White Box

☐ Key Box

☐ Inbox

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Question No : 12 of 25

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Testing

☐

Processes

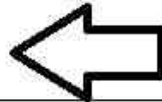
☒

Maintenance

☐

Design

☐



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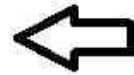
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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

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



Answer (Please select your correct option)

☐

Feasibility report

☒

Requirement document

☐

Design document

☐

User manual

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Question No : 14 of 25

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

☐ Conditions

☒ Services

☐ Tasks

☐ Actions

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

Agreement, assignment, authorization, contract, delivery, deposit, incident etc are examples of _____.

Answer (Please select your correct option)

☐ Object

☐ Participant

☐ Tangible

☒ Transaction



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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

In sequence diagram, a message is represented by a/an _____.

Answer (Please select your correct option)

☒ Arrow

A message is represented by an arrow between the life lines of two objects.

☐ Straight line

☐ Dotted line

☐ Box

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ design decisions should be ones that remain constant in software development cycle.

Answer (Please select your correct option)

☒ Early



☐ Late

☐ Heterogeneous

☐ Both a and b

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)



The data model consists of three pieces of interrelated information. Which of the following is not a piece of interrelated information?

Answer (Please select your correct option)

☐ Attributes

☐ Data objects

☐ Relationships

☒ Controls



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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

The first most important step in developing any system is to identify _____.

Answer (Please select your correct option)

☐ Purpose of the system

☐ Implementation of the system

☐ Design of the system

☒ Architecture of the system



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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

When measure of independence of a module or component is low to the other, changes in one component have effect on other component is _____.

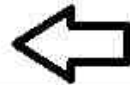
Answer (Please select your correct option)

☐ No

☐ Low

☒ High

☐ Equal



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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

Which of the following statement(s) is/are true about software design?

- (a) Common coupling occurs when some global data repository is shared by two or more modules.
- (b) Polymorphism is a design principle that helps the code to be flexible and reused.
- (c) Software reuse injects more reliability to code.

Answer ([Please click here to Add Answer](#))



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

As per Peter Coad methodology, identify the transaction object(s) from the list below.

- 1) Sale
- 2) Purchase
- 3) Computer
- 4) Cashier

Answer ([Please click here to Add Answer](#))



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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

What is the difference between Aggregation and Association?

Answer ([Please click here to Add Answer](#))



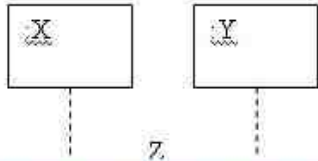
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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

Consider the following diagram:



Answer ([Please click here to Add Answer](#))



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

A client sends an authentication request (with username and password) to server, server verifies the request and returns a response to the client.

Draw a Sequence level diagram of the above scenario.

Answer ([Please click here to Add Answer](#))



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Apply Cohesion on the following code.

```
Class Reserv
```

```
{
```

```
private:
```

```
int roomno;
```

```
string type;
```

Answer ([Please click here to Add Answer](#))



**BEST OF LUCK !
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