

VIRTUAL UNIVERSITY OF PAKISTAN

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
(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!



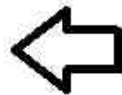
Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

A change becomes ----- because of close presence of data and functions

Answer (Please select your correct option)

☒ Localized



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☐ Private

☐ Global

☐ Accessible

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

"A website developed to sell movies over the internet", is _____

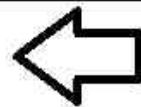
Answer (Please select your correct option)

☐ Scientific software

☐ Safety critical software

☒ Web based software

☐ Embedded software



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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

Given below are some statements associated with prototyping. Which one is correct statement?

Answer (Please select your correct option)

- ☐ The scope and the complexity of the system can quickly expand beyond original plans.
- ☐ Prototyping decreases creativity since it does not allow quick feedback.
- ☐ Prototypes negate the requirement for the system analysis phase.
- ☒ Prototyping is a technique that can be used to reduce customer satisfaction

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a fact finding method?

Answer (Please select your correct option)

☐ Site visits

☒ Prototyping

☐ Study of similar systems

☐ Modulation

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Question No : 5 of 26

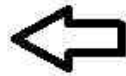
Marks: 1 (Budgeted Time 1 Min)

The nature of software applications can be characterized by their information _____

Answer (Please select your correct option)



Complexity



Content



Determinacy



Content and determinacy

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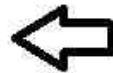
Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

A project is considered successful if:

Answer (Please select your correct option)

☒ The system was delivered in time and with in budget.



☐ The system meets at least some of the customer's requirements.

☐ The system development process has a maximum impact on the ongoing business process.

☐ Minimum time was spent for requirement gathering and designing.

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

Cohesion is an internal property of a module whereas coupling is its----- with other modules

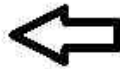
Answer (Please select your correct option)

☐ Relationships

☒ Dependence

☐ Independence

☐ Separation



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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

As per Peter Coad's methodology the following may NOT be a perfect candidate for being an object:

Answer (Please select your correct option)

☐ Folder

☐ Bin

☐ Student

☐ Size

Maybe

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ requirements are often called product features.

Answer (Please select your correct option)



Functional



Business



User



Non-functional

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

Function oriented methodology is also known as _____.

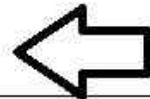
Answer (Please select your correct option)

☐ Object Oriented

☐ Structure Oriented

☒ Action Oriented

☐ Module Oriented



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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

Software crisis appeared in _____.

Answer (Please select your correct option)

☒ Early 50s



☐ Early 60s

☐ Early 70s

☐ Early 80s

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)



_____ is another technique to document domain knowledge.

Answer (Please select your correct option)

☐ Business model

☐ Activity diagram

☐ Use-case model

☒ State transition diagram



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Question No : 13 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 : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

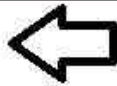
Oval shape in state transition diagram represents a _____.

Answer (Please select your correct option)

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☒ State



☐ Input

☐ Output

☐ Data

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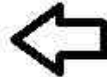
Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

In a DFD, communication between two external agents without an intermediate process is _____.

Answer (Please select your correct option)

☒ Prohibited



☐ Must

☐ Possible

☐ Avoided

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

UML provides _____ different mechanisms to document the dynamic behavior of the system.

Answer (Please select your correct option)



Two



Three



Four



Five

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Question No : 17 of 26

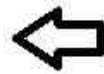
Marks: 1 (Budgeted Time 1 Min)

Diagrams used to capture dynamic behavior are called _____ diagrams.

Answer (Please select your correct option)



Interaction



Flow



Sequence



Collaboration

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

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☒ Arrow



☐ Straight line

☐ Dotted line

☐ Box

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ is NOT a type of messages of sequence diagram.

Answer (Please select your correct option)

☐ Synchronous

☐ Asynchronous

☐ Create

☒ Update

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

UML(Unified Modeling Language) is among different which are used for documenting the object oriented design.

Answer (Please select your correct option)

☐ Documents

☒ Notations

☐ SRS

☐ Reports

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

Your are asked to develop object oriented design for a system. Your concern about decomposition would be based on function or data ?

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

Normal Arial 12 B I U

both

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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Early design decisions can vary in software development. Do you agree or not ? Justify your choice.

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



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



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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

Differentiate between a sub-system and module.

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

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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

In textual analysis we analyze the text to identify the classes, objects and relationships among objects and classes. What are the meanings of these terms in textual analysis?

- 0. Proper Noun
- 1. Improper Noun
- 2. Being Verb
- 3. Having Verb

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



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Using the architecture of a house or building, draw a comparison with software architecture.

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



**BEST OF LUCK
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