

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

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 # 6 of 30 (Start time: 09:58:41 PM, 28 December 2020)

Total Marks: 1

In _____, appropriate data model is chosen.

Select the correct option

☐	ERD	
☐	Conceptual Database Design	
☒	Logical Database Design	
☐	DFD	

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Question # 1 of 30 (Start time: 03:18:13 PM, 28 December 2020)

Total Marks: 1

What do you mean by one to many relationship between "Teacher" and "Class" table?

Select the correct option

☐	One Class may have many Teachers	
☒	One Teacher can have many Classes	
☐	Many Classes may have many Teachers	
☐	Many Teachers may have many Classes	

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Question # 7 of 30 (Start time: 09:59:49 PM, 28 December 2020)

Total Marks: 1

Each _____ of a table contains atomic/single value.

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Select the correct option

☒	Cell
☐	Row
☐	Column
☐	Record

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Question # 7 of 30 (Start time: 09:59:49 PM, 28 December 2020)

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Select the correct option

☒	Cell
☐	Row
☐	Column
☐	Record

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Question # 11 of 30 (Start time: 03:26:04 PM, 28 December 2020)

Total Marks: 1

Data about data is called metadata.

Select the correct option

☒	True
☐	False

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Question # 29 of 30 (Start time: 10:14:28 PM, 28 December 2020)

Total Marks: 1

The _____ is performed to select certain rows or tuples of a table, so it performs its action on the table horizontally.

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Select the correct option

☒	Select operation	
☐	Alter operation	
☐	Insert operation	
☐	Delete operation	

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Question # 11 of 30 (Start time: 10:03:23 PM, 28 December 2020)

Total Marks: 1

Theta join is denoted mathematically as _____.

Select the correct option

☐	$R \bowtie S$	
☐	$R \bowtie \theta$	
☒	$R \bowtie \theta S$	
☐	$R \bowtie \theta RS$	

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Question # 15 of 30 (Start time: 10:06:52 PM, 28 December 2020)

Total Marks: 1

Which of the following is an example of metadata?

Select the correct option

☐	Ali
☒	Image (Height, Width)
☐	Person
☐	Student

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Question # 26 of 30 (Start time: 10:12:12 PM, 28 December 2020)

Total Marks: 1

Which of the following is correct regarding Dataflow diagram?

Select the correct option

☐	Single DFD is required to represent a system	0
☒	Created at increasing levels of detail	0
☐	The dataflow must be bidirectional	0
☐	Used to represent the relationships among the external entities	0

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Question # 17 of 30 (Start time: 10:08:06 PM, 28 December 2020)

Total Marks:

A _____ is used to maintain a connection between the users of the database system.

Select the correct option

- | | |
|----------------------------------|----------------|
| ☐ | Virtual Server |
| ☒ | File Server |
| ☐ | Client Server |
| ☐ | FTP Server |

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Question # 17 of 30 (Start time: 03:29:22 PM, 28 December 2020)

Total Marks: 1

Which constraint is generally used for efficiency purposes in the data entry process?

Select the correct option

☐	Null value	
☐	Integer value	
☒	Default value	
☐	String value	

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Question # 3 of 30 (Start time: 03:20:24 PM, 28 December 2020)

Total Marks: 1

A relational database system is based on the concept(s) of _____.

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Select the correct option

- | | | |
|----------------------------------|-------------------------------|--|
| ☐ | A network of data records | |
| ☐ | Objects | |
| ☒ | Tables, rows and columns | |
| ☐ | A tree-like structure of data | |

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Question # 29 of 30 (Start time: 10:14:28 PM, 28 December 2020)

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Select the correct option

☒	Select operation	
☐	Alter operation	
☐	Insert operation	
☐	Delete operation	

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Question # 14 of 30 (Start time: 03:28:19 PM, 28 December 2020)

Total Marks: 1

Logical database design, like conceptual database design is our _____.

Select the correct option

☒	Data model	
☐	Weak entity set	
☐	Strong entity set	
☐	Database design	

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Question # 26 of 30 (Start time: 03:38:20 PM, 28 December 2020)

Total Marks: 1

How many types of cardinality are specified about relationship?

Select the correct option

☐	Two
☐	One
☐	Three
☒	Four

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Question # 24 of 30 (Start time: 03:35:22 PM, 28 December 2020)

Total Marks: 1

Major benefit of data sharing is _____.

Select the correct option

☐	Data of same applications placed at same place	⌵
☐	Data of same applications placed at different places	⌵
☒	Data of different application placed at same place	⌵
☐	Data of different applications stored at placed place	

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Question # 24 of 30 (Start time: 03:35:22 PM, 28 December 2020)

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☐	Data of same applications placed at different places	⌵
☒	Data of different application placed at same place	⌵
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Question # 18 of 30 (Start time: 03:29:47 PM, 28 December 2020)

Total Marks: 1

Database Application is a program which is used for performing certain operations such as _____.

Select the correct option

☐	Insertion of data	
☐	Extraction of data	
☐	Updating the data	
☒	All of above	

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Question # 27 of 30 (Start time: 10:12:54 PM, 28 December 2020)

Total Marks: 1

Cross reference matrix is a tool available in the data dictionary, which helps us in finding _____.

Select the correct option

☒	Entities of the database and their associations	/
☐	Relationship between different tables	/
☐	Requirements for database	
☐	User of the database	

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Question # 4 of 30 (Start time: 03:20:58 PM, 28 December 2020)

Total Marks: 1

A collection of concepts that can be used to describe the structure of a database is called _____.

Select the correct option

☐	Database
☐	DBMS
☒	Data model
☐	Data

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Question # 30 of 30 (Start time: 10:15:10 PM, 28 December 2020)

Total Marks:

Which of the following provides us the facility to add properties of one entity to another entity automatically?

Select the correct option

☐	Abstraction
☐	Encapsulation
☒	Inheritance
☐	Dependencies

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Question # 26 of 30 (Start time: 03:38:20 PM, 28 December 2020)

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Question # 11 of 30 (Start time: 03:26:04 PM, 28 December 2020)

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Question # 29 of 30 (Start time: 03:40:25 PM, 28 December 2020)

Total Marks: 1

Which of the following Greek letter is used to denote the select operation?

Select the correct option

☐	ϵ	
☐	Ω	
☒	σ	
☐	π	

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Question # 30 of 30 (Start time: 03:41:19 PM, 28 December 2020)

Total Marks: 1

Which of the following tool is used to graphically represent the components and design of the system?

Select the correct option

☐	CRM
☒	DFD
☐	CRF
☐	EDF

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Question # 27 of 30 (Start time: 10:12:54 PM, 28 December 2020)

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☒	Entities of the database and their associations	
☐	Relationship between different tables	
☐	Requirements for database	
☐	User of the database	

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- 4) GRAND QUIZZES

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