

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

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MADE AND SOLVED BY HADI

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.

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Select the correct option

- | | | |
|----------------------------------|----------------------------|----|
| <input type="radio"/> | ERD | // |
| <input type="radio"/> | Conceptual Database Design | // |
| <input checked="" type="radio"/> | Logical Database Design | |
| <input type="radio"/> | 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

- | | | |
|----------------------------------|-------------------------------------|----|
| <input type="radio"/> | One Class may have many Teachers | // |
| <input checked="" type="radio"/> | One Teacher can have many Classes | // |
| <input type="radio"/> | Many Classes may have many Teachers | // |
| <input type="radio"/> | 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)

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 # 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

<input checked="" type="radio"/>	True
<input type="radio"/>	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

<input checked="" type="radio"/>	Select operation	//
<input type="radio"/>	Alter operation	//
<input type="radio"/>	Insert operation	//
<input type="radio"/>	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

- | | | |
|----------------------------------|------------------|----|
| <input type="radio"/> | R X S | // |
| <input type="radio"/> | R X θ | // |
| <input checked="" type="radio"/> | R X θ S | // |
| <input type="radio"/> | R X θ R S | // |

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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

- | | | |
|----------------------------------|-----------------------|----|
| <input type="radio"/> | Ali | // |
| <input checked="" type="radio"/> | Image (Height, Width) | // |
| <input type="radio"/> | Person | |
| <input type="radio"/> | 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

- | | | |
|----------------------------------|---|----|
| <input type="radio"/> | Single DFD is required to represent a system | // |
| <input checked="" type="radio"/> | Created at increasing levels of detail | // |
| <input type="radio"/> | The dataflow must be bidirectional | |
| <input type="radio"/> | Used to represent the relationships among the external entities | |

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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.

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Select the correct option

<input type="radio"/>	Virtual Server	//
<input checked="" type="radio"/>	File Server	//
<input type="radio"/>	Client Server	
<input type="radio"/>	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

- | | | |
|----------------------------------|---------------|---|
| <input type="radio"/> | Null value | / |
| <input type="radio"/> | Integer value | / |
| <input checked="" type="radio"/> | Default value | / |
| <input type="radio"/> | 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

- | | | |
|----------------------------------|-------------------------------|----|
| <input type="radio"/> | A network of data records | // |
| <input type="radio"/> | Objects | // |
| <input checked="" type="radio"/> | Tables, rows and columns | |
| <input type="radio"/> | A tree-like structure of data | |

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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

<input checked="" type="radio"/>	Select operation	//
<input type="radio"/>	Alter operation	//
<input type="radio"/>	Insert operation	//
<input type="radio"/>	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

- | | | |
|----------------------------------|-------------------|---|
| <input checked="" type="radio"/> | Data model | / |
| <input type="radio"/> | Weak entity set | / |
| <input type="radio"/> | Strong entity set | / |
| <input type="radio"/> | 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

<input type="radio"/>	Two	//
<input type="radio"/>	One	//
<input type="radio"/>	Three	
<input checked="" type="radio"/>	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

- | | | |
|----------------------------------|---|----|
| <input type="radio"/> | Data of same applications placed at same place | // |
| <input type="radio"/> | Data of same applications placed at different places | // |
| <input checked="" type="radio"/> | Data of different application placed at same place | // |
| <input type="radio"/> | 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)

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 # 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

- | | | |
|----------------------------------|--------------------|----|
| <input type="radio"/> | Insertion of data | // |
| <input type="radio"/> | Extraction of data | // |
| <input type="radio"/> | Updating the data | // |
| <input checked="" type="radio"/> | 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

- | | | |
|----------------------------------|---|----|
| <input checked="" type="radio"/> | Entities of the database and their associations | // |
| <input type="radio"/> | Relationship between different tables | // |
| <input type="radio"/> | Requirements for database | |
| <input type="radio"/> | 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 _____.

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Select the correct option

- | | | |
|----------------------------------|------------|----|
| <input type="radio"/> | Database | // |
| <input type="radio"/> | DBMS | // |
| <input checked="" type="radio"/> | Data model | |
| <input type="radio"/> | 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

<input type="radio"/>	Abstraction	//
<input type="radio"/>	Encapsulation	//
<input checked="" type="radio"/>	Inheritance	//
<input type="radio"/>	Dependencies	//

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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

<input type="radio"/>	Two	//
<input type="radio"/>	One	//
<input type="radio"/>	Three	
<input checked="" type="radio"/>	Four	

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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

<input checked="" type="radio"/>	True
<input type="radio"/>	False

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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

- | | | |
|----------------------------------|--------------------|----|
| <input type="radio"/> | Insertion of data | // |
| <input type="radio"/> | Extraction of data | // |
| <input type="radio"/> | Updating the data | // |
| <input checked="" type="radio"/> | All of above | // |

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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

- | | | |
|----------------------------------|------------|----|
| <input type="radio"/> | ϵ | // |
| <input type="radio"/> | Ω | // |
| <input checked="" type="radio"/> | σ | // |
| <input type="radio"/> | 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

- | | |
|----------------------------------|-----|
| <input type="radio"/> | CRM |
| <input checked="" type="radio"/> | DFD |
| <input type="radio"/> | CRF |
| <input type="radio"/> | EDF |

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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

- | | | |
|----------------------------------|---|----|
| <input checked="" type="radio"/> | Entities of the database and their associations | // |
| <input type="radio"/> | Relationship between different tables | // |
| <input type="radio"/> | Requirements for database | |
| <input type="radio"/> | User of the database | |

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