

CS403 MIDTERM GRAND QUIZ

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Question # 30 of 30 (Start time: 05:23:10 PM, 09 July 2020)

The maximum PL/SQL size of data type "VARCHAR2" in DBMS is _____ bytes.

Select the correct option

- ☐ 42767
- ☐ 52767
- ☐ 32767
- ☐ 28767

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Question # 29 of 30 (Start time: 05:22:33 PM, 09 July 2020)

The entity relationship diagram is used to graphically represent the ____ database model.

Select the correct option

- | | |
|-----------------------|------------|
| ☐ | condensed |
| ☐ | physical |
| ☐ | logical |
| ☐ | conceptual |



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Question # 28 of 30 (Start time: 05:21:49 PM, 09 July 2020)

A relational database is

Select the correct option



one that consists of two or more tables



a database that is able to process tables, queries, forms, reports and macros



one that consists of two or more tables that are joined in some way



the same as a flat file database

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Question # 27 of 30 (Start time: 05:21:15 PM, 09 July 2020)

A table can be logically connected to another table by defining a ____.

Select the correct option

☐	hyperlink
☐	common attribute
☐	primary key
☐	superkey



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Question # 26 of 30 (Start time: 05:20:49 PM, 09 July 2020)

In cross reference matrix transitions are specified on _____ and database objects are specified on _____.

Select the correct option

☐ Y axis, X axis☐ X axis, Y axis☐ X axis, X axis☐ Y axis, Y axis

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Question # 25 of 30 (Start time: 05:20:19 PM, 09 July 2020)

The database deals with large amount of data. This property is called

Select the correct option

- | | |
|-----------------------|-----------------|
| ☐ | Database design |
| ☐ | Scalability |
| ☐ | Concurrency |
| ☐ | Robustness |

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Question # 24 of 30 (Start time: 05:19:38 PM, 09 July 2020)

If many instances of the "Book" entity are associated with the many instances of the "Student" entity, then the relationship between them is:

Select the correct option

- ☐ One to one
- ☐ One to many
- ☐ Many to many
- ☐ Many to one



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Question # 23 of 30 (Start time: 05:18:13 PM, 09 July 2020)

How data security can be assured in the database?

Select the correct option

- | | |
|-----------------------|-------------------------------------|
| ☐ | By hiding data from all |
| ☐ | Through concurrent access of users |
| ☐ | By asking users not to share things |
| ☐ | Implementing encryption algorithms |



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Question # 22 of 30 (**Start time: 05:17:14 PM, 09 July 2020**)

Internal schema/view defines the _____ of the data.

Select the correct option

☐ Functionality☐ Source☐ Structure☐ Transaction

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Question # 21 of 30 (Start time: 05:16:35 PM, 09 July 2020)

In "One to Many" cardinality one instance of a relation is mapped with _____.

Select the correct option

- | | |
|-----------------------|--------------------------------------|
| ☐ | many instances of second entity type |
| ☐ | One instance of second entity type |
| ☐ | Primary key of second relation |
| ☐ | Foreign key of second relation |



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Question # 20 of 30 (Start time: 05:15:36 PM, 09 July 2020)

$A \rightarrow BC$ then $A \rightarrow B$ and $A \rightarrow C$ follow _____ interference rule.

Select the correct option

☐ Augmentation☐ Transitivity☐ Projectivity☐ Additivity

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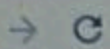
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Question # 19 of 30 (Start time: 05:14:51 PM, 09 July 2020)

Which of the following describes the job of a database administrator?

Select the correct option

- | | |
|-----------------------|---|
| ☐ | Development, implementation operation of the physical database |
| ☐ | Creation of the system catalog |
| ☐ | Monitoring and controlling database security and authorization: Setting up controls to ensure the quality and integrity of data |
| ☐ | All of the above |



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Question # 18 of 30 (Start time: 05:13:36 PM, 09 July 2020)

A ____ entity has a primary key that is partially or totally derived from the parent entity in the relationship.

Select the correct option

☐ strong☐ Weak☐ Business☐ Relationship

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Question # 17 of 30 (**Start time: 05:13:01 PM, 09 July 2020**)

How many types of dependencies are?

Select the correct option

☐	One
☐	Two
☐	Three
☐	Four

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Question # 16 of 30 (Start time: 05:11:36 PM, 09 July 2020)

For third normal form we concentrate on relations with one _____ key, and we eliminate transitive dependencies

Select the correct option

- | | |
|-----------------------|-------------|
| ☐ | Candidate |
| ☐ | Composite |
| ☐ | Super key |
| ☐ | Primary key |

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Question # 15 of 30 (Start time: 05:10:42 PM, 09 July 2020)

Which of the following is NOT an entity?

Select the correct option

- | | |
|-----------------------|------------|
| ☐ | Employee |
| ☐ | Hobby |
| ☐ | Student |
| ☐ | Playground |



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Question # 14 of 30 (Start time: 05:09:59 PM, 09 July 2020)

The _____ can see entire information structure of the database.

Select the correct option

☐	DBA
☐	DBTG
☐	Database user
☐	External viewer

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Question # 13 of 30 (**Start time: 05:08:51 PM, 09 July 2020**)

_____ is the first comprehensive complete database design.

Select the correct option

- | | |
|-----------------------|------------------------------|
| ☐ | Logical database design |
| ☐ | Relational Database Design |
| ☐ | Conceptual Database Design |
| ☐ | Hierarchical Database Design |

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Question # 12 of 30 (Start time: 05:07:57 PM, 09 July 2020)

Which of the following is true regarding foreign keys?

Select the correct option

- | | |
|-----------------------|---|
| ☐ | There can only be one foreign key in a relation |
| ☐ | There can be as many foreign keys as needed |
| ☐ | Foreign key is not a super key |
| ☐ | Each table in database must have a foreign key |

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Question # 11 of 30 (Start time: 05:07:23 PM, 09 July 2020)

Which of the following tool is used to design conceptual database design?

Select the correct option

- | | |
|-----------------------|---------------------------------------|
| ☐ | SQL |
| ☐ | MS Access |
| ☐ | Oracle |
| ☐ | This model is independent of any tool |

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Question # 10 of 30 (Start time: 05:06:39 PM, 09 July 2020)

In _____ the domains of attributes of a relation are atomic, that is they consist of single units that cannot be broken down further.

Select the correct option

☐ First normal form☐ Second normal form☐ Third normal form☐ Augmentation

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Question # 9 of 30 (Start time: 05:06:11 PM, 09 July 2020)

Suppose, we have two entities "Shape" and "Triangle", then which of the following is a correct statement?

Select the correct option

- | | |
|-----------------------|--|
| ☐ | Shape is a super type entity and Triangle is a sub type entity |
| ☐ | Shape is a sub type entity and Triangle is a super type entity |
| ☐ | Shape and Triangle both are super type entities |
| ☐ | Shape and Triangle both are sub type entities |

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Question # 8 of 30 (Start time: 05:05:16 PM, 09 July 2020)

Data type "BLOB" in database management system stands for _____

Select the correct option

- | | |
|-----------------------|------------------------|
| ☐ | Binary long objective |
| ☐ | Binary large objective |
| ☐ | Binary large Object |
| ☐ | Bipolar large object |

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Question # 7 of 30 (**Start time: 05:04:34 PM, 09 July 2020**)

The Entity Relationship Model models the _____.

Select the correct option

- | | |
|-----------------------|--|
| ☐ | Entities, Relationships and Processes |
| ☐ | Entities, attributes and Relationships |
| ☐ | Relationships |
| ☐ | Entities |



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Question # 6 of 30 (Start time: 05:04:04 PM, 09 July 2020)

Data Redundancy Means

Select the correct option

☐	Security of data
☐	Duplication of data
☐	Management of data
☐	Recovery of data

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Question # 5 of 30 (Start time: 05:03:20 PM, 09 July 2020)

The process of normalization

Select the correct option

☐	is automatic using a computer program
☐	requires one to understand dependency between attributes
☐	is manual and requires semantic information
☐	is finding the key of a relation

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Question # 4 of 30 (Start time: 05:02:57 PM, 09 July 2020)

Which of the following might be represented with a multivalued attribute?

Select the correct option

☐	person's name
☐	class location
☐	bank account balance
☐	book title



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Question # 3 of 30 (Start time: 05:02:19 PM, 09 July 2020)

Changes at _____ levels of database architecture need _____ levels of user's attention

Select the correct option



different, different



same, same



different, same



same, different



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Question # 2 of 30 (Start time: 05:01:50 PM, 09 July 2020)

The attribute that is calculated from other attribute is called _____

Select the correct option

☐	Derived attribute
☐	Multi-valued attribute
☐	Composite attribute
☐	Simple attribute

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Question # 1 of 30 (Start time: 05:01:03 PM, 09 July 2020)

Collection of raw facts is called _____

Select the correct option

☐ Information

☐ Object

☐ Output

☐ Data



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