

Question 1

Not yet answered

Marked out of 1.00

Flag question

3NF concept is related to

☐ a. Full dependency definition

☐ b. Super Key definition

☐ c. Atomic definition

☐ d. All of the others

☒ e. Transitive dependency definition

Clear my choice

Question 2

Not yet answered

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Flag question

A \_\_\_\_ is a notation for describing the structure of the data in a database, along with the constraints on that data

☐ a. database management system

☒ b. data model

☐ c. data operation

☐ d. data manipulation

Clear my choice

Question 3

Not yet answered

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Flag question

"R(A,B,C,D)" is an example of:

☐ a. A relation

☐ b. A relation instance

☒ c. A schema

☐ d. A schema instance

Clear my choice

Question 4

Not yet answered

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Flag question

A \_\_\_\_ is a logically coherent collection of data with some inherent meaning, representing some aspect of real world and being designed, built and populated with data for a specific purpose

☐ a. Schema Instance

☒ b. Database

☐ c. Schema

☐ d. Database Instance

Clear my choice

Question 5

Not yet answered

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Flag question

Which of the following relations is in third normal form (3NF)?

☐ a. R(ABCD) with FD's: AB -> C ; BCD -> A ; D -> A ; B -> C

☐ b. R(ABCD) with FD's: ACD -> B ; AC -> D ; D -> C ; AC -> B

☒ c. R(ABCD) with FD's: AB -> C ; BCD -> A ; D -> A ; B -> C ; AC -> D

☐ d. R(ABCD) with FD's: AB -> C ; ABD -> C ; ABC -> D ; AC -> D

Clear my choice

Question 6

Not yet answered

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Flag question

Normalization is a process of analyzing the given relation schema based on their Functional Dependencies (FDs) and primary keys to achieve the following:

☒ a. All of the others

☐ b. Minimizing insertion anomalies

☐ c. Minimizing redundancy

☐ d. Minimizing deletion and update anomalies

Clear my choice

Question 7

Not yet answered

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Flag question

Consider a relation with schema R(A, B, C, D) and FD's BC -> D, D -> A, A -> B. Which of the following is the key of R?

☐ a. BD

☐ b. D

☐ c. AB

☒ d. BC

Clear my choice

Question 8

Not yet answered

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Flag question

A \_\_\_\_ is a relation name, together with the attributes of that relation.

☐ a. schema instance

☐ b. database

☐ c. database instance

☒ d. schema

Clear my choice

Question 9

Not yet answered

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Flag question

A \_\_\_\_ is a collection of programs that enables user to create and maintain databases. In other words, it is general-purpose software that provides the users with the processes of defining, constructing and manipulating the databases for various applications

☒ a. DBMS

☐ b. MSSQL

☐ c. DBS

☐ d. DB2

Clear my choice

Question 10

Not yet answered

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Flag question

A collection of tables to represent data and relationship among data is represented through model

☒ a. Relational model

☐ b. Object based model

☐ c. ER data model

☐ d. Semistructured model

Quiz navigation

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Finish attempt ...

Clear my choice

Question 11

Not yet answered  
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Flag question

A component of storage manager managing most critical part of database system is known to be

- ☐ a. File manager
  - ☐ b. Authorization and Integrity manager
  - ☐ c. Transaction manager
  - ☒ d. Buffer manager
- Clear my choice

Question 12

Not yet answered  
Marked out of 1.00

Flag question

A database consisting of just one file, is called

- ☐ a. Caller
  - ☒ b. Cell Node
  - ☐ c. Cell Entity
  - ☐ d. Cellar
- Clear my choice

Question 13

Not yet answered  
Marked out of 1.00

Flag question

A Key which is a set of one or more columns that can identify a record uniquely is called?

- ☐ a. Not Null key
  - ☒ b. Candidate key
  - ☐ c. Alternate key
  - ☐ d. Natural key
- Clear my choice

Question 14

Not yet answered  
Marked out of 1.00

Flag question

A person who is responsible for the structure or schema of the database is called:

- ☐ a. a database analyst
  - ☐ b. all of the others
  - ☐ c. an end user
  - ☒ d. a database administrator
- Clear my choice

Question 15

Not yet answered  
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Flag question

A set of attributes forms a \_\_\_\_ for a relation if we do not allow 2-tuples in a relation instance to have the same values in all that attributes

- ☒ a. Key
  - ☐ b. Foreign Key
  - ☐ c. Index Key
  - ☐ d. Trigger Key
- Clear my choice

Question 16

Not yet answered  
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Flag question

A table is in 3NF if it is in 2NF and if it has no .....

- ☒ a. transitive dependencies
  - ☐ b. trivial functional dependency
  - ☐ c. multivalued dependencies
  - ☐ d. functional dependencies
- Clear my choice

Question 17

Not yet answered  
Marked out of 1.00

Flag question

A table is in BCNF if it is in 3NF and if every determinant is a ..... key.


- ☒ a. candidate
  - ☐ b. Both B & C
  - ☐ c. normal
  - ☐ d. dependent
- Clear my choice

Question 18

Not yet answered  
Marked out of 1.00

Flag question

Among the below Order By queries, which are correct ones?

- ☒ a. All of the above
  - ☐ b. SELECT \* FROM Table Order By Column ASC;
  - ☐ c. SELECT \* FROM Table Order By Column DESC;
  - ☐ d. SELECT \* FROM Table Order By  ; --Where n is any column sequence number in a table
  - ☐ e. None of the above
  - ☐ f. SELECT \* FROM Table Order By Column;
- Clear my choice

Question 19

Not yet answered  
Marked out of 1.00

Flag question

An attribute of ER data model, have a set of values known to be its

- ☐ a. Model
  - ☐ b. Structure
  - ☒ c. Domain
  - ☐ d. Schema
- Clear my choice

Question 20

Not yet answered  
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Flag question

Because of calculus expression, relational calculus is considered as

- ☐ a. Procedural language
  - ☐ b. Structural language
  - ☐ c. Functional language
  - ☒ d. Non procedural language
- Clear my choice

Question 21

Not yet answered  
Marked out of 1.00

Flag question

Choose the correct statement

- ☒ a. Except for COUNT, aggregate functions ignore null values
  - ☐ b. Except for MAX, aggregate functions ignore null values
- ANSWER: A

- ☐ c. Except for SUM, aggregate functions ignore null values
  - ☐ d. Except for MIN, aggregate functions ignore null values
  - ☐ e. Except for AVG, aggregate functions ignore null values
- [Clear my choice](#)

Question 22

Not yet answered  
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Flag question

Choose the in-correct statement:

- ☐ a. In SQL Server, every DML operation is a transaction regardless of whether it has a BEGIN TRANSACTION or not
  - ☐ b. ROLLING back a transaction rejects any of the changes resulting from the SQL statements in the transaction
  - ☒ c. When the sequence of tasks is complete, the SAVE POINT closes the transaction
  - ☐ d. COMMITTING a transaction makes permanent the changes resulting from all SQL statements in the transaction
- [Clear my choice](#)

Question 23

Not yet answered  
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Flag question

Collection of conceptual tools for defining data relationships and semantics are known to be its

- ☐ a. Logical data
  - ☐ b. Conceptual data
  - ☐ c. Data Semantics
  - ☒ d. Data model
- [Clear my choice](#)

Question 24

Not yet answered  
Marked out of 1.00  
Flag question

Consider a relation with schema R(A, B, C, D) and FD's BC → D, D → A, A → B. Which of the following is the key of R?

- ☐ a. AB
  - ☒ b. BC
  - ☐ c. BD
  - ☐ d. D
- [Clear my choice](#)

Question 25

Not yet answered  
Marked out of 1.00  
Flag question

Data Definition language (DDL) is used to .....

- ☐ a. query database and modify the database
  - ☐ b. connect to database and query database
  - ☒ c. declare database schemas
  - ☐ d. All of the others
- [Clear my choice](#)

Question 26

Not yet answered  
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Flag question

Data model describes design of database at level

- ☒ a. View level
  - ☐ b. All of the mentioned
  - ☐ c. Physical level
  - ☐ d. Logical level
- [Clear my choice](#)

Question 27

Not yet answered  
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Flag question

Database system which supports majority of concurrent users is classified as

- ☐ a. Client and disk server system
  - ☒ b. Multiuser system
  - ☐ c. Multi-function system
  - ☐ d. Multi transaction system
- [Clear my choice](#)

Question 28

Not yet answered  
Marked out of 1.00  
Flag question

Design of database is called its

- ☐ a. Structure
  - ☒ b. Schema
  - ☐ c. Abstraction
  - ☐ d. Domain
- [Clear my choice](#)

Question 29

Not yet answered  
Marked out of 1.00  
Flag question

DIVISION operation can be applied to two relations A and B such as  $R(A) \div R(B)$  where as

- ☐ a. A does not belong to B
  - ☐ b. A must be added to B
  - ☒ c. A belongs or equal to B
  - ☐ d. A must be subtracted from B
- [Clear my choice](#)

Question 30

Not yet answered  
Marked out of 1.00  
Flag question

ER model is best to use for database of a

- ☐ a. Relational design
  - ☐ b. Aggregated model
  - ☐ c. General model
  - ☒ d. Conceptual design
- [Clear my choice](#)

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