

Question 1

Answer saved

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Flag question

3NF concept is related to

☐ a. Full dependency definition

☐ b. Atomic definition

☐ c. Transitive dependency definition

☒ d. All of the others

☐ e. Super Key definition

Clear my choice

Question 2

Answer saved

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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. data operation

☒ b. data model

☐ c. database management system

☐ d. data manipulation

Clear my choice

Question 3

Answer saved

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Flag question

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

☐ a. A schema instance

☐ b. A relation

☒ c. A schema

☐ d. A relation instance

Clear my choice

Question 4

Answer saved

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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. Database Instance

☐ b. Schema

☒ c. Database

☐ d. Schema Instance

Clear my choice

Question 5

Answer saved

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Flag question

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

☐ a. R(ABCD) with FD's: $AB \rightarrow C$; $BCD \rightarrow A$; $D \rightarrow A$; $B \rightarrow C$; $AC \rightarrow D$

☒ b. R(ABCD) with FD's: $ACD \rightarrow B$; $AC \rightarrow D$; $D \rightarrow C$; $AC \rightarrow B$

☐ c. R(ABCD) with FD's: $AB \rightarrow C$; $ABD \rightarrow C$; $ABC \rightarrow D$; $AC \rightarrow D$

☐ d. R(ABCD) with FD's: $AB \rightarrow C$; $BCD \rightarrow A$; $D \rightarrow A$; $B \rightarrow C$

Clear my choice

Question 6

Answer saved

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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 redundancy

☐ c. Minimizing deletion and update anomalies

☐ d. Minimizing insertion anomalies

Clear my choice

Question 7

Answer saved

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Flag question

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

☒ a. BC

☐ b. AB

☐ c. D

☐ d. BD

Clear my choice

Question 8

Answer saved

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Flag question

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

☐ a. database

☐ b. schema instance

☒ c. schema

☐ d. database instance

Clear my choice

Question 9

Answer saved

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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

Quiz navigation

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

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37

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42

43

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52

53

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55

56

57

58

59

60

Finish attempt ...

1.00
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question

- ☐ a. DBS
 - ☐ b. DB2
 - ☒ c. DBMS
 - ☐ d. MSSQL
- [Clear my choice](#)

Question 10
Answer saved
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1.00
Flag
question

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

- ☐ a. Relational model
 - ☒ b. ER data model
 - ☐ c. Object based model
 - ☐ d. Semistructured model
- [Clear my choice](#)

Question 11
Answer saved
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question

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

- ☐ a. Authorization and integrity manager
 - ☐ b. Transaction manager
 - ☒ c. Buffer manager
 - ☐ d. File manager
- [Clear my choice](#)

Question 12
Answer saved
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question

A database consisting of just one file, is called

- ☒ a. Cellar
 - ☐ b. Cell Entity
 - ☐ c. Cell Node
 - ☐ d. Caller
- [Clear my choice](#)

Question 13
Answer saved
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question

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

- ☒ a. Candidate key
 - ☐ b. Natural key
 - ☐ c. Alternate key
 - ☐ d. Not Null key
- [Clear my choice](#)

Question 14
Answer saved
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Flag
question

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

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

Question 15
Answer saved
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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. Trigger Key
 - ☐ b. Foreign Key
 - ☐ c. Index Key
 - ☒ d. Key
- [Clear my choice](#)

Question 16
Answer saved
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1.00
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
Answer saved
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Flag
question

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

- ☒ a. candidate
 - ☐ b. dependent
 - ☐ c. Both B & C
 - ☐ d. normal
- [Clear my choice](#)

Question 18
Answer saved
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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

Question 19
Answer saved
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
Answer saved
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Flag question

Because of calculus expression, relational calculus is considered as

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

[Clear my choice](#)

Question 21
Answer saved
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Flag question

Choose the correct statement

- ☒ a. Except for COUNT, aggregate functions ignore null values
- ☐ b. Except for AVG, aggregate functions ignore null values
- ☐ c. Except for MIN, aggregate functions ignore null values
- ☐ d. Except for SUM, aggregate functions ignore null values
- ☐ e. Except for MAX, aggregate functions ignore null values

ANSWER: A

[Clear my choice](#)

Question 22
Answer saved
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Flag question

Choose the in-correct statement:

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

[Clear my choice](#)

Question 23
Answer saved
Marked out of 1.00
Flag question

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

- ☐ a. Data Semantics
- ☒ b. Data model
- ☐ c. Conceptual data
- ☐ d. Logical data

[Clear my choice](#)

Question 24
Answer saved
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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. D
- ☐ b. AB
- ☒ c. BC
- ☐ d. BD

[Clear my choice](#)

Question 25
Answer saved
Marked out of 1.00
Flag question

Data Definition language (DDL) is used to

- ☐ a. All of the others
- ☐ b. connect to database and query database
- ☐ c. query database and modify the database
- ☒ d. declare database schemas

[Clear my choice](#)

Question 26
Answer saved
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Flag question

Data model describes design of database at level

- ☐ a. Physical level
- ☐ b. All of the mentioned
- ☐ c. Logical level
- ☒ d. View level

[Clear my choice](#)

Question 27
Answer saved
Marked out of 1.00
Flag question

Database system which supports majority of concurrent users is classified as

- ☐ a. Multi-function system
- ☐ b. Client and disk server system
- ☐ c. Multi transaction system
- ☒ d. Multiuser system

[Clear my choice](#)

Question 28
Answer saved
Marked out of 1.00
Flag question

Design of database is called its

- ☐ a. Structure
- ☐ b. Domain

Flag question

- ☒ c. Schema
☐ d. Abstraction
Clear my choice

Question 29

Answer saved
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 belongs or equal to B
☐ b. A must be added to B
☐ c. A must be subtracted from B
☐ d. A does not belong to B
Clear my choice

Question 30

Answer saved
Marked out of 1.00
Flag question

ER model is best to use for database of a

- ☒ a. Conceptual design
☐ b. Relational design
☐ c. Aggregated model
☐ d. General model
Clear my choice

Next page



PREVIOUS ACTIVITY
Practical Exam

NEXT ACTIVITY
Quiz 2



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