QUIZ

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State	Finished
Completed on	Monday, 11 December 2023, 9:31 PM
Time taken	31 mins 9 secs
Grade	**32.00** out of 40.00 (**80**%)

Question 1

Correct

Mark 1.00 out of 1.00

The database management system can be considered as the collection of _____ that enables us to create and maintain the database?

○ a.   Translators

○ b.   Language activity

◉ c.   Programs✔

○ d.   Keys

The correct answer is: Programs

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation?

◉ a.   DDL(Data Definition Language)✔

○ b.   Query

○ c.   Relational Schema

○ d.   DML(Data Manipulation Language)

The correct answer is: DDL(Data Definition Language)

Question 3

Correct

Mark 1.00 out of 1.00

SELECT emp_name FROM department WHERE dept_name LIKE ' _____ Computer Science';

In the above-given Query, which of the following can be placed in the Query's blank portion to select the "dept_name" that also contains Computer Science as its ending string?

○   a.   &

○   b.   _

◉   c.   % ✔

○   d. $

Your answer is correct.

The correct answer is:
%

Question 4

Incorrect

Mark 0.00 out of 1.00

Which is not the relational algebra operator?

○   a.   Join

○   b.   Cartesian product

◉   c.   Rename ✖

○   d.   Set difference

The correct answer is: Set difference

Question 5

Correct

Mark 1.00 out of 1.00

In which one of the following, the multiple lower entities are grouped (or combined) together to form a single higher-level entity?

◉   a.   Generalization ✔

○   b.   Aggregation

○   c.   None of the above

○   d.   Specialization

The correct answer is: Generalization

Question 6

Correct

Mark 1.00 out of 1.00

Which type of indexes does MongoDB support?

- ○ a. All of the above✔
- ○ b. Geospatial Indexes
- ○ c. Compound Indexes
- ○ d. Multikey Indexes

The correct answer is: All of the above

Question 7

Correct

Mark 1.00 out of 1.00

The Database Management Query language is generally designed for the _____

- ○ a. Support end-users who use English like commands
- ○ b. upport in the development of the complex applications software
- ○ c. All of the above✔
- ○ d. Specifying the structure of the database

The correct answer is: All of the above

Question 8

Correct

Mark 1.00 out of 1.00

In MongoDB, what is the function of the find() method?

- ○ a. Delete documents from a collection
- ○ b. Insert documents into a collection
- ○ c. Update documents in a collection
- ○ d. Retrieve documents from a collection✔

The correct answer is: Retrieve documents from a collection

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following refers to the level of data abstraction that describes exactly how the data actually stored?

○ a.   Conceptual Level

○ b.   Logical Level

○ c.   File Level

◉ d.   Physical Level✔

The correct answer is: Physical Level

Question 10

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the copies of the same data (or information) occupying the memory space at multiple places.

○ a.   Data Mining

◉ b.   Data Redundancy✔

○ c.   Data Repository

○ d.   Data Inconsistency

The correct answer is: Data Redundancy

Question 11

Correct

Mark 1.00 out of 1.00

What do you mean by one to many relationships?

◉ a.   One teacher can have many classes✔

○ b.   Many classes may have many teachers

○ c.   One class may have many teachers

○ d.   Many teachers may have many classes

The correct answer is: One teacher can have many classes

Question 12

Correct

Mark 1.00 out of 1.00

Which of the following is the primary storage unit in MongoDB?

○ a.　Row

◉ b.　Document ✔

○ c.　Field

○ d.　Table

The correct answer is: Document

Question 13

Correct

Mark 1.00 out of 1.00

A Database Management System is a type of _____software.

◉ a.　It is a type of system software ✔

○ b.　It is a kind of application software

○ c.　It is a kind of general software

○ d.　Both A and C

The correct answer is: It is a type of system software

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following commands is used to save any transaction permanently into the database?

○ a.　Savepoint

◉ b.　Commit ✔

○ c.　Rollback

○ d.　None of the above

The correct answer is: Commit

Question 15

Correct

Mark 1.00 out of 1.00

A huge collection of the information or data accumulated form several different sources is known as _____:

- ⊙ a. Data Warehouse ✔
- ○ b. Data Management
- ○ c. Both B and C
- ○ d. Data Mining

The correct answer is: Data Warehouse

Question 16

Correct

Mark 1.00 out of 1.00

In general, a file is basically a collection of all related_____?

- ⊙ a. Records ✔
- ○ b. Database
- ○ c. Rows & Columns
- ○ d. Fields

The correct answer is: Records

Question 17

Correct

Mark 1.00 out of 1.00

Which of the following command can be used in mongo shell to show all the databases in your MongoDB instance?

- ⊙ a. show dbs ✔
- ○ b. show databases
- ○ c. ls dbs
- ○ d. show dbs -all

The correct answer is: show dbs

Question 18

Correct

Mark 1.00 out of 1.00

Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sub-entities?

- ○ a. Aggregation
- ○ b. Generalization
- ◉ c. Specialization✔
- ○ d. All of the above

The correct answer is: Specialization

Question 19

Correct

Mark 1.00 out of 1.00

What is the default port number for MongoDB?

- ◉ a. 27017✔
- ○ b. 5432
- ○ c. 8080
- ○ d. 3306

The correct answer is: 27017

Question 20

Correct

Mark 1.00 out of 1.00

_____ indicates the maximum number of entities that can be involved in a relationship.

- ◉ a. Maximum cardinality✔
- ○ b. Minimum cardinality
- ○ c. Greater Entity Count
- ○ d. ERD

The correct answer is: Maximum cardinality

Question 21

Correct

Mark 1.00 out of 1.00

Which one of the following given statements possibly contains the error?

- a. select empid from emp where empid = 10006;
- b. select empid where empid = 1009 and Lastname = 'GELLER'; ✔
- c. select * from emp where empid = 10003;
- d. select empid from emp;

The correct answer is: select empid where empid = 1009 and Lastname = 'GELLER';

Question 22

Incorrect

Mark 0.00 out of 1.00

The problem caused by independent multivalued dependencies is eliminated in which of the normal form?

- a. 4NF
- b. 3NF
- c. BCNF ✖
- d. 5NF

The correct answer is: 4NF

Question 23

Correct

Mark 1.00 out of 1.00

What type of NoSQL database is MongoDB?

- a. Graph-based
- b. Relational
- c. Document-based ✔
- d. Key-Value

The correct answer is: Document-based

Question 24

Correct

Mark 1.00 out of 1.00

Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?

- ⊙ a. DML(Data Manipulation Language)✔
- ◯ b. Relational Schema
- ◯ c. Query
- ◯ d. DDL(Data Definition Language)

The correct answer is: DML(Data Manipulation Language)

Question 25

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the "data about data"?

- ◯ a. Directory
- ◯ b. Warehouse
- ◯ c. Sub Data
- ⊙ d. Meta Data✔

The correct answer is: Meta Data

Question 26

Correct

Mark 1.00 out of 1.00

Which normal form is the partial dependency removed?

- ⊙ a. Second✔
- ◯ b. BCNF
- ◯ c. First
- ◯ d. Third

The correct answer is: Second

Question 27

Incorrect

Mark 0.00 out of 1.00

What is the relation calculus?

- ○ a.   It is a kind of procedural language ✖
- ○ b.   It is a high-level language
- ○ c.   It is a non-procedural language
- ○ d.   It is Data Definition language

The correct answer is: It is a non-procedural language

Question 28

Incorrect

Mark 0.00 out of 1.00

Which of the following views will allow DML operations?

- ○ a.   View based on ORDER BY clause
- ○ b.   View based on GROUP BY clause
- ○ c.   View based on join ✖
- ○ d.   None of the above

Your answer is incorrect.

The correct answer is:
None of the above

Question 29

Incorrect

Mark 0.00 out of 1.00

The term "Data" refers to:

- ○ a.   Row Facts and figures
- ○ b.   Both A and C ✖
- ○ c.   The electronic representation of the information(or data)
- ○ d.   Basic information

The correct answer is: Row Facts and figures

Question 30

Correct

Mark 1.00 out of 1.00

How can you remove documents from a collection in MongoDB?

- a. drop() method
- b. delete() method
- c. remove() method ✔
- d. erase() method

The correct answer is: remove() method

Question 31

Correct

Mark 1.00 out of 1.00

Which of the following refers to the number of tuples in a relation?

- a. Entity
- b. None of the above
- c. Cardinality ✔
- d. Column

The correct answer is: Cardinality

Question 32

Incorrect

Mark 0.00 out of 1.00

Which command is used to create a new database in MongoDB?

- a. CREATE DATABASE
- b. None of the above
- c. USE DATABASE
- d. DB.CREATE() ✖

The correct answer is: None of the above

Question 33

Correct

Mark 1.00 out of 1.00

When a primary key is define in the table, DBMS automatically creates a ____ on a primary key column

- a. Trigger
- b. Unique index✔
- c. Synonym
- d. Sequence

The correct answer is: Unique index

Question 34

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the total view of the database content?

- a. External view
- b. Internal view
- c. Conceptual view✔
- d. Physical view

The correct answer is: Conceptual view

Question 35

Correct

Mark 1.00 out of 1.00

In the following Query, which of the following can be placed in the Query's blank portion to display the salary from highest to lowest amount, and sorting the employs name alphabetically?

SELECT * FROM instructor ORDER BY salary ____, name ___;

- a. Ascending, Descending
- b. Asc, Desc
- c. Desc, Asc✔
- d. All of the above

Your answer is correct.

The correct answer is:
Desc, Asc

Question 36

Incorrect

Mark 0.00 out of 1.00

Which of the following refers collection of the information stored in a database at a specific time?

○ a.   Independence

○ b.   Data domain

◉ c.   Schema ✖

○ d.   Instance of the database

The correct answer is: Instance of the database

Question 37

Correct

Mark 1.00 out of 1.00

Which of the following commands create an unique index on author field of the posts collection?

◉ a.   db.posts.createIndex({"author":1 }, {"unique": true}); ✔

○ b.   db.posts.createIndexUnique({"author":1 });

○ c.   db.posts.createIndex({"author": { $unique :1} });

○ d.   db.posts.createIndex({"author": unique });

The correct answer is: db.posts.createIndex({"author":1 }, {"unique": true});

Question 38

Incorrect

Mark 0.00 out of 1.00

The given Query can also be replaced with_____:

SELECT name, course_id FROM instructor, teaches WHERE instructor_ID= teaches_ID;

◉ a.   Select name,course_id from teaches,instructor where instructor_id=course_id; ✖

○ b.   Select name, course_id from instructor natural join teaches;

○ c.   Select name, course_id from instructor;

○ d.   Select course_id from instructor join teaches;

Your answer is incorrect.

The correct answer is:
Select name, course_id from instructor natural join teaches;

Question 39

Correct

Mark 1.00 out of 1.00

Which of the following can be used to extract or filter the data & information from the data warehouse?

○ a.   Data redundancy

○ b.   Both B and C

○ c.   Data recovery tool

◉ d.   Data mining✔

The correct answer is: Data mining

Question 40

Correct

Mark 1.00 out of 1.00

Which operator is used for equality in MongoDB queries?

◉ a. $eq✔

○ b. $ne

○ c. $gt

○ d. $lt

The correct answer is: $eq