Professional Online Academy Vu Topper RM

CS403-Database Management System

Update MCQ'S Quiz-4 File

Virtual University

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WORM: Stands for----------.

A. write only memory
B. Write on, Read memory
C. write-once, read-many
D. Read only memory

Which file organization is allowed by a direct access storage device?

A. indexed and direct only
B. sequential only
C. Direct only
D. sequential, indexed and direct,

_____are the structure defined for placing data in the attributes while designing physical design of database.

A. Objects
B. Variables
C. Attributes
D. Data types

In which normal form, we convert composite attributes into individual attributes?

A. 4NF
B. 3NF
C. 2NF
D. 1NF

Which of the following is NOT the type of horizontal partitioning?

A. List Petitioning
B. Limit partitioning
C. Range Petitioning
D. Hash Petitioning

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Replication is the form of_____.

A. Denormalization
B. Relational calculus
C. Normalization
D. Partitioning

Given the following relation it is not 3 NF because
Student (roll no, name, course no, course max. marks, year of study, address), where roll no is PK

A. it has more than 3 non-key attributes
B. non-key attributes course no and course max. marks are functionally dependent
C. it is not in 2 NF
D. it does not have composite key

Question No:1 (Marks:1) Vu-Topper RM

Columns used to uniquely identify individual rows of a given table, may be specified to be not NULL.

True Page 203

False.

Question No:2 (Marks:1) Vu-Topper RM

Which of the following is true about creating database in MS Access?

A. Click on the file menu, select database option and then click it
B. After running MS Access, create database option is selected directly
C. Go to the tool option of MS Access and select create Database option with suitable name
D. First we will run MS Access and select New option from the file. Next it will askthe name of database

Question No:3 (Marks:1) Vu-Topper RM

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Consider a table named “emp” having fields Empname, EmpID, Age, salary. Which of the following is true if the following SQL statement tries to execute?
SELECT * FROM emp WHERE Empname=’ALI’ ORDERBY Age;

A. The statement has a syntax error
B. The statement displays the entire fields from emp in which the Empname is ALI in any order
C. The statement displays the entire fields from emp in which the Empname is ALI in descending order of their age
D. The statement displays the entire fields from emp in which the Empname is ALI

Question No:4 **(Marks:1)** **Vu-Topper RM**

Truncate is an alternative of Delete command.
True
False

Question No:5 **(Marks:1)** **Vu-Topper RM**

_____ User Interface is preferred over _____ User Interface with respect to user.

A. Easy to understand, efficient
B. Hard to understand, efficient
C. Easy to understand, effective
D. Hard to understand, effective

Question No:6 **(Marks:1)** **Vu-Topper RM**

When the power is turned off content of _____ is lost.

A. Volatile Storage **Page 255**
B. Nonvolatile Storage
C. Permanent Storage
D. Hard disk Storage

Question No:7 **(Marks:1)** **Vu-Topper RM**

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Data Manipulation Language (DML) is the set of commands used to maintain and query a database including updating, inserting, modifying and retrieving data.

True

False

Question No:8 **(Marks:1)** **Vu-Topper RM**

SQL stands for _____.

I - Structured Query Language

II – Standard Query Language

lll- Status Query Language

A. Only I

B. Only II

C. Only lll

D. NONE

Question No:9 **(Marks:1)** **Vu-Topper RM**

DML does not used to :

A. Add new rows to tables.

B. Retrieve rows from table

C. Modify the rows of tables.

D. Alter a table definition

Question No:10 **(Marks:1)** **Vu-Topper RM**

Which of the following is the Correct SQL statement for creating table in Microsoft SQL server?

A. CREATE TABLE Customer (SID integer PRIMARY KEY, Last_Name varchar(30),

B. CREATE TABLE Customer(SID integer, Last_Name varchar(30),

C. CREATE Customer (SID integer, Last_Name varchar(30),

D. All of the above

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Question No:11 **(Marks:1)** **Vu-Topper RM**

What happens if the WHERE clause is omitted from a DELETE statement?

A. All records from the table are deleted

B. No record from the table will be deleted

C. First record of the table will be deleted

D. The statement will not be executed and will give a syntax error

Question No:12 **(Marks:1)** **Vu-Topper RM**

An effective user interface minimizes the---------- users require to learn and implement the system.

A. Space

B. Time **Page 239**

C. Complexity

D. Efficiency

Question No:13 **(Marks:1)** **Vu-Topper RM**

REVOKE is a _____ statement.

A. Data Definition

B. Control Access

C. Data Manipulation

D. Data Description

Question No:14 **(Marks:1)** **Vu-Topper RM**

Text based & Graphical User Interface (GUI) most commonly called as Forms, are two different types of ----------.

A. Language

B. user interface **Page 240**

C. system programs

D. Application programs

Question No:15 **(Marks:1)** **Vu-Topper RM**

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There are ---------- types of user interfaces.

A. One
B. Four
C. Two **Page 240**
D. Three

Question No:16 **(Marks:1)** **Vu-Topper RM**

The _____ condition is used to retrieve values within a specific range.

A. LIKE
B. AND
C. FROM
D. BETWEEN **Page 217**

Question No:17 **(Marks:1)** **Vu-Topper RM**

Truncate command response time is _____ as compared to Delete command.

A. Poor
B. Same
C. Better
D. worst

Question No:18 **(Marks:1)** **Vu-Topper RM**

"It should be user friendly and user must not search for required buttons or text boxes" this statement is about----------.

A. Language.
B. System program
C. Application program
D. User friendly interface **Page 243**

Question No:19 **(Marks:1)** **Vu-Topper RM**

A memory cache, sometimes called a cache store or----------.

A. RAM **Page 255**

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B. DROM
C. ROM
D. Hard disk

Question No:20 (Marks:1) Vu-Topper RM
Which of the following is used with INSERT command to insert values in a DB table?
A. ONTO
B. INTO Page 208
C. UPTO
D. WITH

Question No:21 (Marks:1) Vu-Topper RM
Which of the following is not an aggregate function?
A. AVG
B. SUM
C. UPPER Page 222
D. MAX

Question No:22 (Marks:1) Vu-Topper RM
Users know what to do and how to do it are called -------.
A. New
B. Experts Page 242
C. Beginners
D. Intermediate

Question No:23 (Marks:1) Vu-Topper RM
Is the given SQL Statement prompt error?
Select * from relation 1;
A. Logical Error
B. No Error
C. Parameter Error
D. Time out Error

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Question No:24 **(Marks:1)** **Vu-Topper RM**

Cache is a portion of memory made of high-speed ----------instead of the slower and cheaper----------used for main memory.

A. ROM, RAM
B. RAM, ROM
C. PROM,EPROM
D. Static RAM (SRAM), DRAM

Question No:25 **(Marks:1)** **Vu-Topper RM**

According to his/her level of knowledge/ understanding how many types of users are there----------?

A. One
B. Two **Page 25**
C. Four
D. Three

Question No:26 **(Marks:1)** **Vu-Topper RM**

DML stands for _____.

A. Dynamic Modeling Language
B. Data Manipulation Language **Page 148**
C. Data Management Language
D. Domain Modeling Language

Question No:27 **(Marks:1)** **Vu-Topper RM**

The _____ operator allows to use wild cards in the where clause of an SQL statement.

A. IN
B. FROM
C. LIKE **Page 218**
D. None of the above.

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Question No:28 **(Marks:1)** **Vu-Topper RM**

Which language is used to permit or prohibit access to a table?

A. DCL
B. DDL
C. DML
D. All of the above.

Question No:29 **(Marks:1)** **Vu-Topper RM**

Browser Based & Non-Browser/Simple are two different types of--------
----------.

A. Forms
B. Language
C. Interface
D. Programs

Question No:30 **(Marks:1)** **Vu-Topper RM**

GRANT is a _____ Command.

A. DDL
B. DML
C. DCL
D. None of the above

Question No:31 **(Marks:1)** **Vu-Topper RM**

GRANT command belongs to which type of classification?

A. DQL
B. DCL
C. DML
D. DDL

Question No:32 **(Marks:1)** **Vu-Topper RM**

Value of a function in SQL is always determined by the input parameters

True **Page 221**
False

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Question No:33 **(Marks:1)** **Vu-Topper RM**

In SQL, which command is used to modify the rows of tables.

A. Update **Page 208**

B. Insert

C. Browse

D. Append

Question No:34 **(Marks:1)** **Vu-Topper RM**

SQL is used for:

A. Maintaining data integrity and coordinate data sharing.

B. Generating queries, organizing, managing and retrieving data stored in a database.

C. Creating, managing and deleting tables and manage the relationships among the stored date.

D. All of the above

Question No:35 **(Marks:1)** **Vu-Topper RM**

Identify the basic part(s) of a SELECT statement?

A. SELECT

B. FROM

C. Both SELECT and FROM

D. DISTINCT

Question No:36 **(Marks:1)** **Vu-Topper RM**

UPDATE command belongs to which type of Classification?

A. DDL

B. DCL

C. DQL

D. DML

Question No:37 **(Marks:1)** **Vu-Topper RM**

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Which of the following is not a part of an INSERT statement?

A. INTO
B. Modify
C. VALUE
D. INSERT

Question No:38 **(Marks:1)** **Vu-Topper RM**

The _____ should be user friendly, Data integrity must be ensured and checks can be applied within the tables.

A. Input forms Page246
B. Database
C. Computer language
D. Application programming

Question No:39 **(Marks:1)** **Vu-Topper RM**

Which of the following SQL clauses used to sort the records in result set?

A. From
B. Where
C. Having
D. Orde by

Question No:40 **(Marks:1)** **Vu-Topper RM**

The most recently accessed data from the disk (as well as adjacent sectors) is stored in a ----------.

A. Memory buffer Page 256
B. EPROM
C. ROM
D. hard disk

Question No:41 **(Marks:1)** **Vu-Topper RM**

Which of the following is a type of SQL command?

A. DCL command

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B. DTL command
C. DAL command
D. TML commands

Question No:42 **(Marks:1)** **Vu-Topper RM**
Which of the following is NOT a DDL command?
A. Drop
B. Delete
C. Create DB
D. Create table

Question No:43 **(Marks:1)** **Vu-Topper RM**
which of the following prevents duplicate values to be displayed as a result of an SQL statement?
A. DISTINCT
B. DELETE
C. UPDATE
D. ALTER

Question No:44 **(Marks:1)** **Vu-Topper RM**
Objective of an order by clause is to display or arrange output of a select statement in a particular order.
True
False

Question No:45 **(Marks:1)** **Vu-Topper RM**
Functions in SQL return a single value
True
False

Question No:46 **(Marks:1)** **Vu-Topper RM**
Which of the following is not DML command?
A. Select

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B. Delete
C. Update
D. Truncate

Question No:47 (Marks:1) Vu-Topper RM
Which of the following is used to retrieve and insert information from database?
A. DML Page 208
B. DDL
C. DCL
D. Both DML and DDL

Question No:48 (Marks:1) Vu-Topper RM
DBMS stand for_____.
A. Digital Base Mapping System.
B. Database Manipulation Software.
C. Database Management System.
D. Data Borrowing and Movement Software

Question No:49 (Marks:1) Vu-Topper RM
A column used to uniquely identify individual rows of a given table, may be specified to be _____.
A. Fixed length
B. NOT NULL
C. Strong
D. Variable length

Question No:50 (Marks:1) Vu-Topper RM
The _____ function helps to reduce the need of multiple OR conditions.
A. AND
B. BETWEEN
C. In

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D. like

Question No:51 **(Marks:1)** **Vu-Topper RM**

Consider the two relations,Supplier (S_no, S_name, Contact_No, Address) andSupply (S_no, Item_no).Which of the following statements give(s) a list of supplier names supplying the item with Item_no '555'?

A. SELECT S_name FROM Supplier, Supply WHERE Supplier.S_no=Supply.S_no ANDItem_no='555'

B. SELECT S_name FROM Supplier WHERE Item_no='555'

C. SELECT S_name FROM Supplier WHERE S_no EXISTS (SELECT S_no FROM SupplyWHERE Item_no='555')

D. SELECT S_name FROM Supplier WHERE S_name EXISTS (SELECT S_name FROMSupply WHERE Item_no='555')

Question No:52 **(Marks:1)** **Vu-Topper RM**

Which of the following is correct syntax to create a table named Class with three attribute class_ID, start_time, Room?

A. CREATE TBALE class COLUMN (Class_ID varchar(5), Start_time datetime, Room varchar(10))

B. CREATE TABLE class (Class_ID varchar(5), Start_time datetime, Room varchar(10))

C. CREATE Class COLUMN (Class_ID varchar(5), Start_time datetime, Room varchar(10))

D. CREATE class (Class_ID varchar (5), Start_time datetime, Room varchar(10))

Question No:53 **(Marks:1)** **Vu-Topper RM**

Which of the following normal form deals with possible loss less decompositions?

A. 5NF

B. 4NF

C. 3NF

D. 2NF

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Question No:54 **(Marks:1)** **Vu-Topper RM**

Functional dependencies under reflexivity inference rule are called _____ dependencies.

A. Projectivity
B. Trivial
C. Augmentation
D. Transitivity

Question No:55 **(Marks:1)** **Vu-Topper RM**

The database design prevents some data from being stored due to _____.

A. Deletion anomalies
B. Redundancy
C. Update anomalies
D. Insertion anomalies

Question No:56 **(Marks:1)** **Vu-Topper RM**

_____ is state of database where a "course" cannot be inserted in the table, because this course has not been registered to any "student".

A. Deletion anomaly
B. Updation anomaly
C. Insertion anomaly
D. Redundancy

Question No:57 **(Marks:1)** **Vu-Topper RM**

If A→ BC then A → B and A→ C The above rule follows _____ inference rule.

A. Transitivity
B. Additivity

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C. Projectivity
D. Augmentation

Question No:58 **(Marks:1)** **Vu-Topper RM**
An attribute y may be functionally dependent on (i) a composite attribute x,y(ii) a single attribute x(iii) no attribute

A. ii and iii
B. i and iii
C. i and ii
D. iii

Question No:59 **(Marks:1)** **Vu-Topper RM**
A functional dependency is a type of relationship between _____.

A. Objects
B. Attributes
C. Tables
D. entities

Question No:60 **(Marks:1)** **Vu-Topper RM**
Creating the relationships between new tables and their predecessors through the use of foreign keys is general requirements of_____.

A. First normal form
B. Third normal form
C. Second normal form
D. Fourth normal form

Question No:61 **(Marks:1)** **Vu-Topper RM**
If A -> B and A -> C, then A -> BCThe Inference Rule applies is;

A. Union
B. Augmentation
C. Reflexivity
D. Decomposition

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Question No:62 **(Marks:1)** **Vu-Topper RM**

In Denormalization two relations who have _____ relationship are merged into one relation.

A. Many to many
B. Many to one
C. One to one
D. One to many

Question No:63 **(Marks:1)** **Vu-Topper RM**

The optional items in the SQL commands are kept in_____.

A. ||
B. ()
C. {}
D. []

Question No:64 **(Marks:1)** **Vu-Topper RM**

Which of the following is NOT related to data manipulation language?

A. Control access to the information
B. Retrieval of information
C. Modification to the information
D. Insertion of information

Question No:65 **(Marks:1)** **Vu-Topper RM**

The maximum PL/SQL size of data type “BLOB” in DBMS is _____.

A. 4 gigabytes
B. 8 gigabytes
C. 10 gigabytes
D. 12 gigabytes

Question No:66 **(Marks:1)** **Vu-Topper RM**

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

A. First normal form **Page 167**

B. Second normal form

C. Third normal form

D. Augmentation

Question No:67 **(Marks:1)** **Vu-Topper RM**

Which of the following is NOT the purpose of SQL?

A. Write information

B. Read information

C. Remove information

D. Transmission of information

Question No:68 **(Marks:1)** **Vu-Topper RM**

Which of the following is used to keep the input values for a specific attribute in specific limits in comparison to any other attribute of the same or any other relation?

A. Default Value

B. Range Control

C. Null Value Control

D. Referential Integrity **Page 186**

Question No:69 **(Marks:1)** **Vu-Topper RM**

A relational table is in third normal form (3NF) if it is already in 2NF and every non-key column is non-transitively dependent upon its _____.

A. Super Key

B. Foreign Key

C. Primary Key **Page 171**

D. Candidate Key

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Question No:70 **(Marks:1)** **Vu-Topper RM**

A fully normalized database schema can fail to provide applicable system response time due to _____.

A. Excessive query execution
B. Use of sub queries
C. Removal of redundant data
D. Excessive table join operations **Page 188**

Question No:71 **(Marks:1)** **Vu-Topper RM**

While converting to 2NF all the columns are deleted from the original table except for the determinant which will serve as a _____key.

A. Super key
B. Primary key
C. Foreign key **Page 173**
D. Composite Key

Question No:72 **(Marks:1)** **Vu-Topper RM**

If A→ B and CB → D, then AC → D. 1. The above rule follows _____ inference rule.?

A. Additivity
B. Projectivity
C. Decomposition
D. Pseudo transitivity **Page 166**

Question No:73 **(Marks:1)** **Vu-Topper RM**

With the help of _____ technique data values with the smaller sized codes can further reduce the space needed by the data for storage in the database.

A. Negation
B. Extension
C. Expansions
D. Compression **Page 185**

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Question No:74 **(Marks:1)** **Vu-Topper RM**

In which of the following situation clustering is more suitable _____.

A. Relatively static situations **Page 192**

B. Access of data is not frequent

C. Relatively dynamic situations

D. Where efficiency does not matter

Question No:75 **(Marks:1)** **Vu-Topper RM**

Identify the language which is used to specify database schema.

A. DCL

B. DML

C. DDL

D. TCL

Question No:76 **(Marks:1)** **Vu-Topper RM**

Which of the following is one of the purposes of using DDL commands?

A. manipulating databases

B. inserting records into databases

C. updating records into databases

D. Creating and destroying databases

Question No:77 **(Marks:1)** **Vu-Topper RM**

In vertical partitioning if we divide a table into two vertical partitions, then efficiency of those applications which _____ will be reduced.

A. Access data from relations

B. Access data from first vertical partition.

C. Access data from second vertical partition

D. Access data from both the vertical partitions.

Question No:78 **(Marks:1)** **Vu-Topper RM**

SQL stand for?

A. Structure query list

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B. Standard query list
C. Standard query language
D. Structure query language Google

Question No:79 (Marks:1) Vu-Topper RM
General reasoning for horizontal or vertical partitioning is _____.
A. Increasing the consistency
B. Increase data communication
C. Decreasing the query response time
D. Smaller tables are more efficient to process as compared to the larger tables.

Question No:80 (Marks:1) Vu-Topper RM
In vertical partitioning which of the following key is repeated in all vertical partitions of a table, to get the original table?
A. Foreign key
B. Unique key
C. Primary key Page 191
D. Secondary key

Question No:81 (Marks:1) Vu-Topper RM
Which of the following normal form deals with multivalued dependency?
A. 3NF
B. 4NF Page 175
C. 1NF
D. 2NF

Question No:82 (Marks:1) Vu-Topper RM
A function that has no partial functional dependencies is in _____ .
A. 1NF
B. 2NF Google
C. 3NF

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D. BCNF

Question No:83 **(Marks:1)** **Vu-Topper RM**

Which of the following is associated with a specific attribute and can help us to reduce the chances of inserting incorrect values in the attribute space?

A. Default Value **Page 186**

B. Range Control

C. Null Value Control

D. Referential Integrity

Question No:84 **(Marks:1)** **Vu-Topper RM**

Denormalization process is applied for developing a physical data model from_____.

A. A conceptual form

B. A logical data model **Page 187**

C. A semantic data model

D. An object oriented data model

Question No:85 **(Marks:1)** **Vu-Topper RM**

----------types of caching are commonly used in personal computers.

A. One

B. Two **Page 255**

C. Three

D. Four

Question No:86 **(Marks:1)** **Vu-Topper RM**

Which of the following is a String function in SQL?

A. Count

B. LEN

C. SQRT

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D. SIN

Question No:87 **(Marks:1)** **Vu-Topper RM**

Which of the following is used to filter rows according to some condition(s)?

A. SELECT
B. FROM
C. WHERE
D. UPDATE

Question No:88 **(Marks:1)** **Vu-Topper RM**

We should not compromise _____ over efficiency.

A. Query response time
B. Privacy
C. Consistency
D. Accuracy

Question No:89 **(Marks:1)** **Vu-Topper RM**

Which of the following syntax of the functions in SQL is used to add column values?

A. COUNT(*)
B. SUM(expression)
C. MAX(expression)
D. COUNT(expression)

Question No:90 **(Marks:1)** **Vu-Topper RM**

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

A. Bipolar large object
B. Binary long objective
C. Binary large Object
D. Binary large objective

VuTopper RM

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Question No:1 **(Marks:1)** **Vu-Topper RM**

Which of the following is a correct syntax of selecting all the columns from a table called PERSONS?

A. SELECT * FROM Persons
B. SELECT FROM * Persons
C. SELECT * WHERE Persons
D. SELECT WHERE * Persons

Question No:91 **(Marks:1)** **Vu-Topper RM**

Indexes are built on _____to improve query performance.

A. Tables
B. Records
C. Columns **Page 193** **ok**
D. Relationships

Question No:92 **(Marks:1)** **Vu-Topper RM**

A relation is said to be in BCNF when

A. It has overlapping composite keys
B. It has no composite keys **ok**
C. It has no multivalued dependencies
D. It has no overlapping composite keys which have related attributes

Question No:93 **(Marks:1)** **Vu-Topper RM**

At which design level de-normalization will take place?

A. Conceptual design
B. Logical design
C. Physical design **ok**
D. All of the above

Question No:94 **(Marks:1)** **Vu-Topper RM**

The maximum length for an identifier can be _____.

A. 192 characters
B. 512 characters

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C. 256 characters Page 196 ok
D. 128 characters

Question No:95 (Marks:1) Vu-Topper RM

A database state where deletion of the information about the student record deletes the course information as well is called _____.

A. Insertion anomaly
B. Updation anomaly
C. Redundancy
D. Deletion anomaly

Question No:96 (Marks:1) Vu-Topper RM

A → BC and A → B, then A → C follow _____ inference rule.

A. Augmentation
B. Transitivity
C. Projectivity Page 166
D. Additivity

Question No:97 (Marks:1) Vu-Topper RM

_____ are used by database administrator in situations where we have large number of records and wastage of small amount of space in each record can lead to loss of huge amount of data storage space.

A. Code Page 185 ok
B. Symbols
C. Variables
D. Special characters

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Question No:98 **(Marks:1)** **Vu-Topper RM**

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

A. 42767
B. 52767
C. 32767 **ok**
D. 28767

Question No:99 **(Marks:1)** **Vu-Topper RM**

Denormalization is required to enhance _____.

A. Performance **Page 187**
B. Sharing of data
C. Data transmission
D. Data communication

Question No:100 **(Marks:1)** **Vu-Topper RM**

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

A. Super key
B. Candidate **Page 172**
C. Composite
D. Primary key

Question No:101 **(Marks:1)** **Vu-Topper RM**

Normalization is a process of restructuring a relation to

A. Minimize duplication of data in a database
B. Maximize duplication of data to ensure reliability
C. Make if of uniform size
D. Allow addition of data

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Question No:102 **(Marks:1)** **Vu-Topper RM**

Atomicity is a feature of _____.

A. 1NF

B. 2NF

C. 3NF

D. BCNF

Question No:103 **(Marks:1)** **Vu-Topper RM**

Which of the following is an empty value but distinct from zero and spaces?

A. Default value

B. Range value

C. Null value **ok**

D. Referential integrity

Question No:104 **(Marks:1)** **Vu-Topper RM**

Which of the following is NOT related to partitioning and placement in database?

A. Reduce workload

B. Balance workload

C. Speed up the rate of useful work

D. Speed up data transmission **Page 189**

Question No:105 **(Marks:1)** **Vu-Topper RM**

The log file is also called----------.

A. Hash file.

B. Temporary file

C. Transaction file

D. Non-Transaction file.

Question No:106 **(Marks:1)** **Vu-Topper RM**

Use when direct access in needed, but sequential access is not

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A. Index access
B. Sequential index
C. Hashed access
D. Non hashed access

Question No:107 (Marks:1) Vu-Topper RM

The index which has some of the key value is classified as _____.

A. Linear index
B. Dense index Page 276
C. Non dense index
D. Cluster index

Question No:108 (Marks:1) Vu-Topper RM

The general activities, which are performed during the development of---------- Data input programmes, Editing, Display,Processing related activities and Reports.

A. Database program
B. Hardware Program
C. Application program Page 238
D. Micro Kemal program

Question No:109 (Marks:1) Vu-Topper RM

The two basic types of record access methods are----------.

A. Direct and immediate
B. Sequential and indexed
C. Sequential and random
D. Sequential and immediate

Question No:110 (Marks:1) Vu-Topper RM

A ----------index determines the storage order of data in a table.

A. Dense

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B. Primary
C. Clustered **Page 275**
D. Secondary

Question No:111 **(Marks:1)** **Vu-Topper RM**
Which of the following is not related to Index sequential file structure?
A. Records are stored in sequence and index in maintained.
B. Dese and non dese type of indexes are maintained.
C. Track overflow and file overflow areas are ensuing.
D. We chose a number of buckets to corresponds to the number of search key values we will have stored in the data base.

Question No:112 **(Marks:1)** **Vu-Topper RM**
provides rapid, non-sequential, direct access to records.
A. Hashing **Page 265**
B. Sequential
C. Non hashing
D. Collision's handling

Question No:113 **(Marks:1)** **Vu-Topper RM**
Which of the following is incorrect about alter table statement?
A. Can be used to delete a column
B. Cannot be used to create a new table
C. Can be used to add column in the existing table
D. Cannot be used to modify type or size of an existing column ok

Question No:114 **(Marks:1)** **Vu-Topper RM**
GRANT belongs to which type of SQL commands classification
A. DML
B. DDL
C. DCL
D. DQL

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Question No:115 **(Marks:1)** **Vu-Topper RM**

Which of the following SQL statements used to control access to the data and to the database?

A. GRANT
B. REVOKE
C. Both GRANT and REVOKE
D. SELECT

Question No:116 **(Marks:1)** **Vu-Topper RM**

Which of the following is the correct syntax for adding a new column into an existing table?

A. ALTER TABLE name {ALTER [COLUMN] column type [(size)] [DEFAULT default] }
B. ALTER TABLE name { ADD [COLUMN] column type [(size)] [DEFAULT default] }
C. Both I and II.
D. None of the above.

Question No:117 **(Marks:1)** **Vu-Topper RM**

The _____ function helps reduce the need to use multiple OR conditions.

A. Like
B. IN **Page 218**
C. AND
D. Between

Question No:118 **(Marks:1)** **Vu-Topper RM**

In SQL, which command is used to delete rows from table.

A. Delete **Page 207**
B. Remove
C. Truncate
D. Both I and II

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Question No:119 **(Marks:1)** **Vu-Topper RM**

Which of the flowing clauses allows to sort the records in result set?

A. Were

B. Order by

C. From

D. Having

Question No:120 **(Marks:1)** **Vu-Topper RM**

n SQL queries, while creating tables or relations in database, key columns may be specified by

A. Null

B. Not Null **Page 203**

C. Data Type

D. None of the above

Question No:121 **(Marks:1)** **Vu-Topper RM**

_____ Operators are the ones that require two operands on both sides of the operator.

A. Double

B. Tow Sided

C. Binary

D. None of the given options

Question No:122 **(Marks:1)** **Vu-Topper RM**

What happened if the Where clause is omitted from a Delete Statement?

A. All record from the table is deleted

B. No record from the tables will be deleted

C. First record of the tables will be deleted

D. The statement will not be executed and will give a syntax error

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Question No:123 **(Marks:1)** **Vu-Topper RM**

Grant belongs to which types of SQL command classification

A. DML
B. DDL
C. DCL
D. DQL

Question No:124 **(Marks:1)** **Vu-Topper RM**

Update command belong to which type of classification

A. DML
B. DDL
C. DCL
D. DQL

Question No:125 **(Marks:1)** **Vu-Topper RM**

Which of the following is not true regarding clustering?

A. It increases the efficiency since related records are placed close to each other.
B. Clustering makes records, difficult to access
C. Suitable to relatively static situations
D. It is a process, which means to place record from different tables to places in adjacent physical locations.

Question No:126 **(Marks:1)** **Vu-Topper RM**

Truncate command responses time is _____ as compared to delete command.

A. Poor
B. Same
C. Better
D. Worst

Question No:127 **(Marks:1)** **Vu-Topper RM**

Suppose

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we have two tables T1 and T2 Tuples of T1 that do not match some row in T2 will not appear in

A. Outer Join
B. Inner Join
C. Both I and II
D. None of the above

Question No:128 **(Marks:1)** **Vu-Topper RM**

CREATE TABLE and CREATE index belongs to which type of SQL commands

A. DML
B. DDL
C. DCL
D. DQL

Question No:129 **(Marks:1)** **Vu-Topper RM**

Which of the following function falls in the category of Aggregate functions?

A. SUM
B. MIN
C. MAX
D. All of the above

Question No:130 **(Marks:1)** **Vu-Topper RM**

Making a change to the conceptual schema of a database but not affecting the existing external schemas is an example of

A. Physical data independence.
B. Concurrency control.
C. Logical data independence. **Google**
D. Functional dependency

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Question No:131 **(Marks:1)** **Vu-Topper RM**

SQL data types do not have support for storing multi-media objects directly.

True

False

Question No:132 **(Marks:1)** **Vu-Topper RM**

Query Analyzer is used to practice SQL in MS-Access and MS-SQL Server.

True

False

Question No:133 **(Marks:1)** **Vu-Topper RM**

Which of the following cannot be included into CREATE TABLE statement?

A. Data types
B. Constraints
C. Attributes
D. Cardinalities

Question No:134 **(Marks:1)** **Vu-Topper RM**

A relational database is

A. One that consists of two or more tables
B. A database that is able to process tables, queries, forms, reports and macros
C. One that consists of two or more tables that are joined in some way
D. The same as a flat file database

Question No:135 **(Marks:1)** **Vu-Topper RM**

Which model operates at the lowest level of abstraction?

A. Conceptual

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B. Internal
C. External
D. Physical

Question No:136 (Marks:1) Vu-Topper RM
A_____is used to maintain a connection between the users of the database system.
A. Mail server
B. File server Page 48
C. Client-server
D. None of the given

Question No:137 (Marks:1) Vu-Topper RM
A collection of concepts that can be used to describe the structure of a database
A. Database
B. DBMS
C. Data model
D. Data

Question No:138 (Marks:1) Vu-Topper RM
Data about data is metadata
True Page 10
False

Question No:139 (Marks:1) Vu-Topper RM
A primary key is an attribute (or set of attributes) that has been chosen for an entity, whose values are used to uniquely identify a particular instance of an entity.
A. True
B. False
C. Partially True
D. None of the given

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Question No:140 **(Marks:1)** **Vu-Topper RM**

Which of the following is INCORRECT statement concerning the database design process?

A. During requirements collection and analysis phase, one can gather the data requirements of database users.
B. By referring to a high-level data model, it is possible to understand the data requirements of the users, entity types, relationships and constraints.
C. Transformation of the high-level data model into the implementation data model is called logical design or data model mapping.
D. During the logical design phase of internal storage structures, access paths and file organization for the database files are specified.

Question No:141 **(Marks:1)** **Vu-Topper RM**

Which feature of database provides conversion from inconsistent state of DB to a consistent state ensuring minimum data loss?

A. User accessible catalog
B. Data processing
C. Recovery service **Page 47**
D. Authorization service

Question No:142 **(Marks:1)** **Vu-Topper RM**

Who is responsible for authorizing access to the database, for coordinating and monitoring its use?

A. Database Designer
B. Database Administrator **Page 26**
C. End User
D. Application Programmer

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Question No:143 **(Marks:1)** **Vu-Topper RM**

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

A. Development, implementation operation of the physical database
B. Creation of the system catalog
C. Monitoring and controlling database security and authorization: Setting up controls to ensure the quality and integrity of data
D. All of the above

Question No:144 **(Marks:1)** **Vu-Topper RM**

Which of the following is NOT a component of a DFD?

A. Dataflow
B. Datastore
C. External entities
D. Relationship between external entities **Page 57**

Question No:145 **(Marks:1)** **Vu-Topper RM**

The Entity Relation Model models

A. Entities Relationships
B. Processes
C. Entities Relationships **Page 70**
D. None of the these

Question No:146 **(Marks:1)** **Vu-Topper RM**

A relational database system is based on the concept(s) of:

A. A network of data records
B. Nested tables
C. Tables, rows and columns
D. A tree-like structure of data

Question No:147 **(Marks:1)** **Vu-Topper RM**

What does the abbreviation DBMS stand for?

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A. Database Manipulation Software.
B. Data Borrowing and Movement Software
C. Digital Base Mapping System.
D. Database Management System. **Page 11**

Question No:148 **(Marks:1)** **Vu-Topper RM**
The _____ keyword is used in SELECT statement to return different values.
A. LIKE
B. IN
C. Distinct **Page 213**

Question No:149 **(Marks:1)** **Vu-Topper RM**
Which is the subset of SQL commands used to manipulate Oracle Database structures, including tables?
A. Data Definition Language (DDL)
B. Data Manipulation Language (DML)
C. DML and DDL
D. None of the Mentioned

Question No:150 **(Marks:1)** **Vu-Topper RM**
Which of the following is/are the DDL statements?
A. Create
B. Drop
C. Alter
D. All of the Mentioned

Question No:151 **(Marks:1)** **Vu-Topper RM**
In SQL, which command(s) is(are) used to change a table's storage characteristics?
A. ALTER TABLE
B. MODIFY TABLE

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C. CHANGE TABLE
D. All of the Mentioned

Question No:152 **(Marks:1)** **Vu-Topper RM**

In SQL, which of the following is not a data definition language command?

A. RENAME
B. REVOKE
C. GRANT
D. UPDATE

Question No:153 **(Marks:1)** **Vu-Topper RM**

_____clause is an additional filter that is applied to the result. a) Select

A. Group-by
B. Having
C. Order by

Question No:154 **(Marks:1)** **Vu-Topper RM**

_____ defines rules regarding the values allowed in columns and is the standard mechanism for enforcing database integrity.

A. Column
B. Constraint
C. Index
D. Trigger

Question No:155 **(Marks:1)** **Vu-Topper RM**

Foreign Key is

A. A field in a table that matches a key field in another table
B. A field in a table that contains data that is also contained elsewhere in another table
C. A field in a table that has the same name as a key field in another table

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Question No:156 **(Marks:1)** **Vu-Topper RM**

Data about data is database

A. True

B. False

C. Partially True

D. None of the Above

Question No:157 **(Marks:1)** **Vu-Topper RM**

The most widely used conceptual model is the __ model.

A. Implementation

B. ER

C. Object Oriented

D. Internal

Question No:158 **(Marks:1)** **Vu-Topper RM**

Which of the following describes a database system?

A. A collection of stored operational data used by the application system of some particular enterprise

B. A shared collection of logically related data (and a description of this data) designed to meet the information needs of an organization

C. A Collection of stored data organized in such a way that all user requirements are satisfied by the database

Question No:159 **(Marks:1)** **Vu-Topper RM**

Which of the following constraints enforces entity integrity?

A. PRIMARY KEY

B. FOREIGN KEY

C. CHECK

D. NOT NULL

Question No:160 **(Marks:1)** **Vu-Topper RM**

A candidate

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key that does not have a null value and is selected to uniquely identify all other attribute values in any given row is called a _

A. Super key **Page 81**

B. Primary key

C. Secondary key

D. Candidate key

Question No:161 **(Marks:1)** **Vu-Topper RM**

FV diagram?

A. Single DFD is required to represent a system

B. Created at increasing levels of detail

C. The dataflow must be bidirectional

D. Used to represent the relationships among the external entities

Question No:162 **(Marks:1)** **Vu-Topper RM**

User rights information is stored in

A. Physical database

B. Catalog

C. Logical database

D. Buffer

Question No:163 **(Marks:1)** **Vu-Topper RM**

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

A. Person's name

B. Class location

C. Bank account balance book title

Question No:164 **(Marks:1)** **Vu-Topper RM**

An instance is

A. A particular occurrence of an entity

B. A special type of relation

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C. An attribute of an entity
D. Any particular entity

Question No:165 **(Marks:1)** **Vu-Topper RM**

Software packages designed to store and manage databases

A. Database
B. DBMS
C. Data model
D. Data

Question No:166 **(Marks:1)** **Vu-Topper RM**

The main software package that supports a database management approach is called Select correct option:

A. Data Dictionary
B. Report Generator
C. Database Management System
D. Distributed database

Question No:167 **(Marks:1)** **Vu-Topper RM**

The ER model is meant to select correct option:

A. Replace relational design be close to
B. A user's perception of the data
C. Enable low level descriptions of data
D. Enable detailed descriptions of data query processing

Question No:168 **(Marks:1)** **Vu-Topper RM**

A description on a particular collection of data using the given data model

A. Database
B. Relation
C. Schema
D. None

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Question No:169 **(Marks:1)** **Vu-Topper RM**

Which of the following functions are NOT performed by a database administrator?

A. Planning, designing and implementing database systems
B. Establishing standards and procedures for database systems
C. Communicating with database users
D. Allocation of storage locations and data structures

Question No:170 **(Marks:1)** **Vu-Topper RM**

Level of data at which entities or objects exist in reality is called

A. Real world data
B. Schema for real world data
C. Meta data
D. Data about data

Question No:171 **(Marks:1)** **Vu-Topper RM**

An entity type is defined when the database is actually constructed a specific type such as an integer, text, date, logical etc

A coherent set of similar objects that we want to store data on (e.g. STUDENT, COURSE, CAR)

Defined by the database designer

Question No:172 **(Marks:1)** **Vu-Topper RM**

In a three-level DBMS architecture, the _____ level interacts directly with the users.

A. Internal
B. Physical
C. External
D. Conceptual

Question No:173 **(Marks:1)** **Vu-Topper RM**

Which of the following function falls in the category of Aggregate functions.

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A. SUM
B. MIN
C. MAX
D. All of the above

Question No:174 (Marks:1) Vu-Topper RM

Correct statement for creating table in Microsoft SQL server is.

A. CREATE TABLE Customer (SID integer PRIMARY KEY, Last_Name varchar(30), First_Name varchar(30));
B. CREATE TABLE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30))
C. CREATE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30));
D. All of the above

Question No:175 (Marks:1) Vu-Topper RM

Suppose we have two tables T1 and T2. Tuples of T1 that do not match some row in T2 will not appear in

A. Outer Join
B. Inner Join ok
C. Both I and II
D. None of the above

Question No:176 (Marks:1) Vu-Topper RM

Within a table, each primary key value __is a minimal super key being always the first field in each table

Must be numeric
Must be unique

Question No:177 (Marks:1) Vu-Topper RM

Which of the following is correct regarding Dataflow diagram?

A. Single DFD is required to represent a system

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B. Created at increasing levels of detail
C. The dataflow must be bidirectional
D. Used to represent the relationships among the external entities

Question No:178 **(Marks:1)** **Vu-Topper RM**
Data Redundancy Means
A. Security of data
B. Duplication of data
C. Management of data
D. Recovery of data

Question No:179 **(Marks:1)** **Vu-Topper RM**
Controlling redundancy in a database management system DOES NOT help to----------
A. Avoid duplication
B. Avoid unnecessary wastage of storage space
C. Avoid unauthorized access to data
D. Avoid inconsistency among data

Question No:180 **(Marks:1)** **Vu-Topper RM**
In an ERD, the focus is on the __ and the relationships between them.
A. Attributes
B. Entities keys **Page 87**
C. Indexes

Question No:181 **(Marks:1)** **Vu-Topper RM**
Which levels are mostly used for Detailed DFD?
A. Level-0, Level-1
B. Level-1, Level-2
C. Level-2, Level-3
D. Level-3, Level-4

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Question No:182 **(Marks:1)** **Vu-Topper RM**

In case of Context-level Diagram, the system is represented by---

A. One process at least
B. Two processes at least
C. One process only

Question No:183 **(Marks:1)** **Vu-Topper RM**

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

A. Hyperlink
B. Common attribute
C. Primary key
D. Super key

Question No:184 **(Marks:1)** **Vu-Topper RM**

Data inconsistency leads to a number of problems such as

A. Loss of information and incorrect results **Page 19**
B. Less secure data redundant data
C. Slow database development

Question No:185 **(Marks:1)** **Vu-Topper RM**

Programs written to perform different requirement created by the users/organization are called----------

A. Chip program
B. System Program
C. Low level program
D. Application program **Page 238**

Question No:186 **(Marks:1)** **Vu-Topper RM**

Forms are used in application programs, how many types of forms are available----------?

A. One
B. Two
C. Five

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D. Four

Question No:187 (Marks:1) Vu-Topper RM

A 3 NF relation is converted to BCNF by?

A. Removing composite keys
B. Removing multivalued dependencies
C. Dependent non-key attributes are put in a separate table
D. Dependent attributes of overlapping composite keys are put in a separate relation ok

Question No:188 (Marks:1) Vu-Topper RM

Which of the following statement creates a database named IMDB?

A. CREATE IMDB DATABASE;
B. CREATE DB IMDB;
C. CREATE DATABASE IMDB; ok
D. ADD DATABASE named IMDB;

Question No:189 (Marks:1) Vu-Topper RM

Normalization of database is used to _____.

A. Minimize errors
B. Improve security
C. Improve design
D. Eliminate redundancy ok

Question No:190 (Marks:1) Vu-Topper RM

The statement has a syntax error
The statement must have an ORDER clause
The statement displays the employe id of those employ whos name is ali
Text base & Graphical User Interface (GUI) most commonly called as
Forms are two different type of __.

A. Application Program
B. System program
C. User interface

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D. Language

Question No:191 **(Marks:1)** **Vu-Topper RM**

DBMS stand for?

A. Database management software
B. Data borrowing and movement software
C. Digital base mapping system
D. Database management system

Question No:192 **(Marks:1)** **Vu-Topper RM**

A function that has no partaial functional dependencies is in ____.

A. 2NF
B. 3NF
C. 1NF
D. BCNF

Question No:193 **(Marks:1)** **Vu-Topper RM**

The condition allows to retrieve values within a specific range.

A. AND
B. LIKE
C. BETWEEN
D. FROM

Question No:194 **(Marks:1)** **Vu-Topper RM**

----------must identify a record in the table, uniquely.

A. Key **Page 260**
B. Index
C. SQL Statement
D. Hash Algorithm

Question No:195 **(Marks:1)** **Vu-Topper RM**

End User directly interact with----------

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A. Internal Schema
B. External Schema **Page 35**
C. Conceptual Schema
D. Core of Database Architecture

Question No:196 **(Marks:1)** **Vu-Topper RM**
It is not necessary for any super type entity to have its entire instance set to be associated with any of the subtype entity, is called as _____.
A. Disjoint Overlap
B. Complete Overlap
C. Total Completeness
D. Partial Completeness Page 103

Question No:197 **(Marks:1)** **Vu-Topper RM**
Which of the following is not a type of user interface?
A. Database Schema **Page 240**
B. Text based Interface
C. None of the these
D. Graphical User Interface (GUI)

Question No:198 **(Marks:1)** **Vu-Topper RM**
"Select * from STUDENT, DEPARTMENT" is an example of
A. Inner Join
B. Outer Join
C. Cartesian Join **Page 225**
D. Full Outer Join

Question No:199 **(Marks:1)** **Vu-Topper RM**
Wait-for graph is maintained by _____
A. View Manager
B. Index Manager
C. Lock manager **Page320**

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D. Constraint Manager

Question No:200 (Marks:1) Vu-Topper RM

Which of the following concept is applicable with respect to 2NF?

A. Partial dependency
B. Transitive dependency
C. Non-transitive dependency
D. Full functional dependency Page 167

Question No:201 (Marks:1) Vu-Topper RM

Which of the following should not be a property of a database transaction?

A. Isolation
B. Atomicity
C. Durability
D. Divergence Page 291

Question No:202 (Marks:1) Vu-Topper RM

Which of the following is Advantage of Re-Hashing technique to handle the collisions?

A. Unlimited number of elements
B. Overhead of multiple linked lists
C. Collisions don't use primary table space
D. Fast access through use of main table space Page 269

Question No:203 (Marks:1) Vu-Topper RM

Which of following is NOT generally the aim of data partitioning and placement of data?

A. Reduce Workload
B. Balance Workload
C. Speed up rate of useful works
D. Merging different relations Page 189

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Question No:204 **(Marks:1)** **Vu-Topper RM**

In which of the following, Materialized Views are suitable

A. Decision support
B. Mobile computing
C. Data warehousing
D. All of the given **Page 290**

Question No:205 **(Marks:1)** **Vu-Topper RM**

How many clustered index(es) do each database table have?

A. 3
B. 1 **Page 275**
C. 5
D. 7

Question No:206 **(Marks:1)** **Vu-Topper RM**

While recovering data, which of the following files does a recovery manager examines at

A. Log file **Page 303**
B. Metadata
C. A system files
D. Data dictionary

Question No:207 **(Marks:1)** **Vu-Topper RM**

Only one type of constraint can be enforced in any table by CREATE command

True **Page 205**
False

Question No:208 **(Marks:1)** **Vu-Topper RM**

Which of the following is not a form of optical disk?

A. WORM
B. CD ROM

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C. EEPROM **Page 257**
D. Erasable Optical

Question No:209 **(Marks:1)** **Vu-Topper RM**
Which of the following is not one of the properties of Transaction?
A. Atomicity
B. Durability
C. Consistency
D. Redundancy **Page 294**

Question No:210 **(Marks:1)** **Vu-Topper RM**
generally, are complex views, views of views, and view of multiple table
A. Simple views
B. Dynamic views
C. Generalized view
D. Materialized view

Question No:211 **(Marks:1)** **Vu-Topper RM**
Which of the following serves as reference point in the log file?
A. Relations
B. Constraints
C. Check points **Google**
D. Relationships

Question No:212 **(Marks:1)** **Vu-Topper RM**
Dead Lock can be prevented by giving each transaction a _____.
A. Name
B. Priority **Google**
C. Cartesian Join
D. Clustered Index

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Question No:213 **(Marks:1)** **Vu-Topper RM**

is used to read, write, and remove the data from a database.

SQL **Page 194**

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