Cs-403 Important Mid Term Mcq's Solution 100% Correct : Solve By Vu-Topper RM!!



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

Which is not the function of Database Management System?

➢**failure response services**

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

The conceptual database design can be transformed into any .

➢**Data model**

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

Which is the second stage in the database development process?

➢**Requirement analysis**

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

Functional dependencies under interference rule reflexivity are called

➢**Trival**

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

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

➢**Mant to many**

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

Which of the following constraints enforces entity integrity?

➢**Primary key**

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

Unary operations involves

➢**Only one relation**

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

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

➢**weak**

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

In appropriate data model is chosen.

➢**Logical database design**

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

Which of the following is drawback of standardization?

➢**Lack of uniqueness**

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

Recursive relationship is also called .

➢**Unary**

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

Binary relation

➢**Home relation**

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

DFD does not provide us a way to represent

➢**Decision**

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

is used to maintain a connection between the users of the database system.

➢**File server**

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

Which of the following is an advantage of using the Traditional File Organization?

➢**Simplicity**

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

Which of the following is the input to Analysis Phase?

➢DFD

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

Name and are part of the definitions of an attribute.

➢**Domain**

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

Which of the following most certainly implies the need for an entire table to implement?

➢**A ternary relationship**

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

Core of the Database Architecture is

➢**Interval level**

Question No:20 (Marks:1) Vu-Topper RM

is same as equi-join with a slight difference.

➢**Natural join**

Question No:21 (Marks:1) Vu-Topper RM

Conceptual database design is implemented using a .

➢Semantic data model

Question No:22 (Marks:1) Vu-Topper RM

Which constraint is generally used for efficiency purposes in the data entry process?

➢Default value

Question No:23 (Marks:1) Vu-Topper RM

A 3 NF relation is converted to BCNF by

➢Dependent attribute of overlapping composite keys are put in a seprate relation

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

Each _ of a table contains atomic/single value.

➢Cell

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

A relation is said to be in BCNF when

➢It has no overlapping composite keys which have related attribute

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

Which one of the following is not a part of three-level architecture?

➢Physical level

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

Which of the following is INCORRECT about naming entities?

➢Always use abbreviation as they are convenient

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

An instance is

➢**Any particular entity**

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

is an example of metadata

➢Student

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

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

➢**Real world data**

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

There are basic properties of the database relations.

➢**six**

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

How many types of dependencies are?

➢**Three**

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

In join, only selected rows of a relation are made cross product with second relation.

➢**Theta**

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

Which of the following is not a key?

➢**Integrity constraints keys**

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

A collection of concepts that can be used to describe the structure of a database

➢**Data model**

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

Any combination of attributes with super key is

➢**Super keys**

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

Binary relationships are those, which are established between

➢**Two entity type**

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

are called participants, when enrolled in a relationship.

➢**Entity**

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

Incase of Context-level Diagram, the system is represented by

➢**One process only**

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

Collection of raw facts is called .

➢**Data**

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

A software package designed to store and manage database

➢**DBMS**

Question No:42 (Marks:1) Vu-Topper RM

In join common attributes appear twice in the output with selected rows.

➢**Equi join**

Question No:43 (Marks:1) Vu-Topper RM

Within a table, each primary key value .

➢**Must be unique**

Question No:44 (Marks:1) Vu-Topper RM

is not an operation of relational algebra.

➢**Addition**

Question No:45 (Marks:1) Vu-Topper RM

Candidate keys which are not selected as primary key are called

➢**Alternate keys**

Question No:46 (Marks:1) Vu-Topper RM

Major benefits of data sharing is:

➢**Data of different application places at same place**

Question No:47 (Marks:1) Vu-Topper RM

Functional dependency between two attributes or sets of attributes i.e. Q and P is represented as .

➢**Q → P**

Question No:48 (Marks:1) Vu-Topper RM

Which of the following is not the component of Relational Data Model?

➢**Manipulation Language**

Question No:49 (Marks:1) Vu-Topper RM

The attribute that is calculated from other attribute is called .

➢**Derived attribute**

Question No:50 (Marks:1) Vu-Topper RM

Consider the two attributes “CNIC_NO” and “Registration_NO”. Both the attributes can be used for the unique identification. Now if the user selects the “CNIC_NO” as primary key, then “Registration_NO” is a key.

➢**Alternative**

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

Which of the following constraint is included in the definition of the table?

➢**Null**

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

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

➢**Scalability**

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

Which one of the following is NOT a characteristic of meta data?

➢**Includes user data**

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

Theta join is denoted mathematically as .

➢**R X Θ S**

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

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

➢**Y axis, Y axis**

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

Each component of DBMS performs functions.

➢**Different**

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

The basic purpose of diamond in ER diagram is to show the .

➢**Relationships**

Question No:58 (Marks:1) Vu-Topper RM

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

➢**This model is independent of any tool**

Question No:59 (Marks:1) Vu-Topper RM

In “one to many” cardinality one instance of a relation is mapped with .

➢**Many instances of second entity type**

Question No:60 (Marks:1) Vu-Topper RM

Cross reference matrix is developed at the _ stage of the database.

➢**Designing**

Question No:61 (Marks:1) Vu-Topper RM

The population of the data of the organization for which the database is created is called the

of the database.

➢**Extension**

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

User rights information is stored in

➢**Catalog**

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

Logical data independency provides independency to change _ model.

➢**Conceptual**

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

In natural join the common attribute in the output table
appears .

➢**Once**

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

Which levels are mostly used for detailed DFD?

➢**Level-0, Level-1**

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

By default, a non-key attribute in a relation can have value.

➢**Null**

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

The three levels architecture is useful for .

➢**Hiding the details of internal systems**

Question No:68 (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.

➢**Compression**

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

If an entity is linked with itself, than it is called relationship.

➢**Recursive**

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

Duplication of data in controlled redundancy is controlled and .

➢**Deliberate**

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

Teleprocessing is a sub-type of _ .

➢**Multi-user database**

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

In an ERD, the focus is on the _ and the relationships between them.

➢**Entities**

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

The most widely used conceptual model is the model.

➢**ER**

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

Student and book are two entities, what is the cardinality between the two?

➢**Many to many**

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

RDM is a simple there is just one structure and that is .

➢**A relation or a table**

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

Consider thy key “CNIC, Name” and choose the best option that describes the key most effectively.

➢**The given key is a super key and candidate key as well.**

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

Normalization is a process of restricting a relation to

➢**Minimize duplication of data in a database**

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

Unary relationship involves a single entity it is also called _ .

➢**Recursive relationship**

Question No:79 (Marks:1) Vu-Topper RM

Which of the following is a part of a DFD but not included in the ERD?

➢**The external entity having a single instance**

Question No:80 (Marks:1) Vu-Topper RM

The database management system (DBMS) is used to

➢Store the data

➢Access the data

➢Manage its users

➢**All of above**

Question No:81 (Marks:1) Vu-Topper RM

In cross reference matrix attributes are mention on and reports are mention on

➢**X axis, Y axis**

Question No:82 (Marks:1) Vu-Topper RM

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

➢**Primary key**

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

The function that an entity plays in a relationship is called that entity's _____.

➢ Role

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

A database system is designed to meet the information needs of _____ in an organization.

➢Multiple users

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

The attribute AGE is calculated from DATE_OF_BIRTH. The attribute AGE is a:

➢ **Derived**

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

Which of the following is a completeness constraint?

➢ Partial Completeness Constraint

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

In an employee entity which of the following attribute will work as a primary key?

➢ Employee id

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

_____ is the first computer-based approach for handing the commercial or business applications

➢Database Systems

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

Which of the following is NOT the classification of entity type?

➢Dependent entity type

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

Which of the following is NOT the type of key?

➢Derived key

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

Data Redundancy means

➢**Duplication of data**

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

Which of the following is a type of dependency?

➢**Referential**

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

In your opinion, why relational database is widely acceptable?

➢**Due to its dependencies**

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

is the first comprehensive complete database design.

➢**Conceptual database design**

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

How data security can be assured in the database?

➢**Implementing encryption algorithms**

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

The attributes whose value is not stored in a database is known as _ attribute.

➢**Derived**

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

Logical database design, like conceptual database design is
our

➢**Database design**

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

If a single instance of "student" is associated with the many instances of the "subjects" entity, then the relationship between them is:

➢**One to many**

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

The conceptual database design is drawn through .

➢**ER model**

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

A relational database is

➢**One that consists of two or more tables that are joined in some way**

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

Database is a computerized representation of any organization's flow of and storage of

➢.**Information, data**

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

In which stage of the database development process logical design is created?

➢**Implementation**

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

Which of the following is NOT an entity?

➢**Playground**

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

After moving the determined columns from the original table to the new table while converting to 2NF, the determinate becomes the of the new table.

➢**Primary key**

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

The select operation works horizontally on the table, on the other hand the operates on a single table vertically.

➢**Project operator**

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

Free standing data dictionary is created by

➢**CASE tools**

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

A patient can be an outdoor or indoor. Analyze this statement and tell what type of constraint will be applied on patient?

➢**Total completeness**

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

If A → B and A → C, then A → BC. The inference Rule applies is:

➢**Union**

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

Which of the following is the correct abbreviation of ERD?

➢**Entity relationship diagram**

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

Database relation is also represented in a two dimensional structure called

➢**Table**

Question No:111 (Marks:1) Vu-Topper RM

Data about data is metadata

➢**True**

Question No:112 (Marks:1) Vu-Topper RM

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

➢**Monitoring and controlling database security and authorization: setting up controls to ensure the quality and integrity of data**

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

Each table must have a key.

➢**Primary**

Question No:111 (Marks:1) Vu-Topper RM

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

➢**Tables, row and columns**

Question No:112 (Marks:1) Vu-Topper RM

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

➢**Projectivity**

Question No:113 (Marks:1) Vu-Topper RM

Suppose, we have two entities “shape” and “triangle”, then which of the following is a correct statement?

➢**Shape is a super type entity and triangle is a sub type entity**

Question No:114 (Marks:1) Vu-Topper RM

The entity that is NOT dependent on any other entity for its existence is known as

➢ **Strong**

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

In cross reference matrix attributes are specified on

➢**X axis**

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

Which of the following clarify the semantics of a relationship?

➢**Roles**

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

How many types of cardinality is specified about relationship?

➢**Four**

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

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

➢**Relationship between external entities**

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

Which of the following provides us the facility to add properties of one entity to another entity automatically?

➢**Inheritance**

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

If there is more than one relationship between two entities and we mentioned role on the relationship link, then it is called:

➢**Multiple relationships**

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

Which one of the following is not an advantage of DBMS

➢**Recovery procedure is difficult**

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

In many to many relationship a third table is created for the relationship, which is also called as –

➢**Associative entity type**

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

When one entity instance of another entity for its existence, then it is called

➢**Existence dependency**

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

Relational data model is widely accepted due to its mathematically proven foundation and its

➢**Simplicity**

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

If an entity “motor cycle” is associated with at most one “driver”, then the relationship between these two entities is:

➢**One to one**

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

Database application is a program which is used for performing certain operations such as

- Insertion of data
- Extraction of data
- Updating the data
- **All of above**

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

Creating the relationships between new tables and their predecessors through the use of foreign keys is general requirements of

- **Second normal form**

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

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

- **First normal form**

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

Atomicity is a feature of .

- **1NF**

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

The can see entire information structure of the database.

- **DBA**

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

The attribute whose value is not stored in a database is known as attribute.

➢**Derived**

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

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

➢**Data types**

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

Suppose a relation has five columns and ten rows, select the correct option to identify cardinality of relation.

➢**Ten**

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

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

➢**Recovery service**

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

Consider an employee is allotted an organization vehicle, which might soley be driven by that employee. What kind of relationship exists between employee and company?

➢ **Many to one**

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

Which of the following is a feature of CHECK constant?

➢ **used to enforce referential integrity**

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

Which of the following semantic model is used for the graphical representation to the conceptual database design?

➢ **Entity Relationship (ER)**

Question No:136 (Marks:1) Vu-Topper RM

Suppose we have two entities department and University. Which type of dependency exists between these two entities?

- **Referential**

Question No:137 (Marks:1) Vu-Topper RM

_____ is the next stage of conceptual database design.

- **logical database design**

Question No:138 (Marks:1) Vu-Topper RM

The _____ model is independent of any tool or data model.

- **Entity Relationship (ER)**

Question No:139 (Marks:1) Vu-Topper RM

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

- **Primary key**

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

In relational algebra, which of the following operator is used to find tuples that are present in one relation but are not in another?

- **Union**

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

Subject may be the prerequisite of another subject, is the example of _____ relationship.

- **Unary**

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

The maximum PL/SQL size of data type “VARCHAR2” in DBMS is bytes

- **32767**

Question No:143 (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”.

- **Insertion anomaly**

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

The maximum PL/SQL size of data type “BLOG” in DBMS
is

➢**Gigabytes**

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

states that in a relation no attributes of a primary key (PK) can have a null value.

➢**Entity integrity constraint**

Question No:146 (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 .

➢**Deletion anomaly**

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

An entity type is

➢**A coherent set of similar objects that we want to store data on (e.g. STUDENTS,**

COURSE, CAR)

Question No:148 (Marks:1) Vu-Topper RM

Defined by the database designer “select” and “project” are the examples of

➢**Unary operation**

Question No:149 (Marks:1) Vu-Topper RM

External scheme evolves as user needs are _ over the time.

➢**Modified**

Question No:150 (Marks:1) Vu-Topper RM

An attribute that is the collection of some other attribute(s) is known as _ attributes.

➢**Composite**

Question No:151 (Marks:1) Vu-Topper RM

Which of the following is correct regarding Dataflow diagram?

➢**Created at increasing levels of detail**

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

are those attributes that are a combination of two or more than two attributes.

➢**Composite attributes**

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

Controlling redundancy in a database management system DOES NOT help to

➢**avoid unauthorized access to data**

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

Which of the following concepts is applicable with respect to 3NF?

➢**Transitive dependency**

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

Identify the operation which is NOT one of the parts of the five basic set operations in relational algebra?

➢**Join**

Question No:156 (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

➢**Logical data independence.**

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

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

➢**Candidate**

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

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

➢**Conceptual**

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

The determines that the link between two entities is optional or mandatory.

➢**Minimum cardinality**

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

Select the most appropriate statement. Which of the following data model is used to design logical database design?

➢**Relational**

Question No:161 (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.

➢ **Codes**

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

An attribute in a relation is foreign key If the _____ key from one relation is used as an attribute in that relation.

➢**primary**

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

in data flow diagram which of the following operator is used, when data flows from a source process to one of the mentioned sinks?

➢**Ring Sum Operator**

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

The _____ rule specifies that an entity can be a member of only one subtype at a time.

➢ **disjoint**

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

In relational algebra, which of the following Greek is used to represent the project operator?

➢ **∏ (PI)**

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

In three level architecture of the database, which views is called community views of the database?

➢**Conceptual view**

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

Which of the following normal forms deals multivalued dependency?

➢ **4NF**

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

While mapping _____ relationship, primary key of the entity type against one side of relationship will be included in the entity type on the many side of the relationship as foreign key.

➢**one to many**

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

In data flow diagram _____ symbol is used to represents data flows.

➢ **arrow**

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

In the below entity type which attribute can work as an alternate key?

Employee (Reg# Primary key,Name,CNIC,designation,address,phone)

➢ **CNIC**

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

From the following who is responsible for proper working of the database and DBMS?

➢ **Database administrator**

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

Suppose that "Program" is an entity which represents different courses are being offered by an institute, like MCS. BCS etc. Following are the major attributes of this entity.

Identify the attribute which can be used as primary key.

➢ **program_ Code**

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

The following is an of _____ inference rule.

If stId –>prName and prName –> credits then stId –> credits

➢ **Transitivity**

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

Which of the following is the example of a weak entity?

➢**The tire can exist without being attached to the car**

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

In Relational Data Model, the _____ of a relation is the number of columns in that relation

➢ **Degree**

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

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

➢**5NF**

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

Suppose we have a list of bank customers which availed loan facility from different branches of a bank. If we want to get a list of all customers and the amount of the loans excluding branch name. Which of the following operation allows us to generate this relation?

➢ **Union**

Question No:178 (Marks:1) Vu-Topper RM

Which of the following provides us data independency?

➢ **3-Level Architecture**

Question No:179 (Marks:1) Vu-Topper RM

Cross reference matrix is a tool available in the data dictionary, which helps us in finding ____.

➢ **Entities of the database and their associations**

Question No:180 (Marks:1) Vu-Topper RM

Conceptual database design, expressed in E-R data model can be implemented using any _____.

➢ **Database Management System (DBMS)**

Question No:181 (Marks:1) Vu-Topper RM

Which of the following might be represented with a single-valued attribute?

➢ **Computer's processor speed**

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

Which of the following is a Unary operation?

➢ **Project**

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

Which of the following data model has the following components?

➢ **Relational**

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

Which of the following Greek is used to represent the select operation?

➢ **σ**

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

Data about data is called metadata.

➢ **True**

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

Normalization of database is used to _____.

➢ **Eliminate redundancy**

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

In student entity which of the following is the best example of multivalued attribute?

➢ **Email address**

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

Theta join is denoted mathematically as

➢ **R X theta S**

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

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

➢ **1NF**

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

Which of the following tool is used to graphically represent the components and design of the system?

➢ **DFD**

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

Data type “BLOB” in database management system stands for _____.

➢ **Binary Large Object**

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

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

➢ **External**

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

In the Database System _____ provides many features to ensure the data integrity.

➢ **Database Management System (DBMS)**

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

The process of defining one or more subtypes of a super and forming relationships is known as

➢ **Generalization**

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

External scheme evolves, as user needs are _____ over the time.

- **Switch**

Question No:196 (Marks:1) Vu-Topper RM

_____ of the Database is most difficult to change when a database is created.

- **Extension**

Question No:197 (Marks:1) Vu-Topper RM

In Database development process, which phase involves designing of any new application for the enhancement of the system?

- **Maintenance phase**

Question No:198 (Marks:1) Vu-Topper RM

An attribute of an entity is associated with another attribute of the same entity is called:

- **Recursive relationship**

Question No:199 (Marks:1) Vu-Topper RM

Relational Data model is created in the _____ phase.

- **Analysis**

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

Database system saves lots of efforts and finances, this advantage provides _____.

- **Time saving structure**

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

Data inconsistency leads to a number of a problems such as _____.

- **loss of information and incorrect results**

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

A row of a table represents a _____, whereas the column of the table represents the _____.

- **Record, attribute**

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

Every primary key (PK) will be a candidate key and every candidate key will be a _____.

➢**Super key**

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

If we want to include attributes from two different relations, which of the following operations will be used?

➢ **Union**

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

When have two entities "Person" and "Doctor. Which of all is best suitable type of relationship between the mentioned entities?

➢ **Sub type**

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

The relationship between department to employee is _____.

➢ **one to many**

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

The attribute HOBBY can have more than one values in ERD. The HOBBY is a-----attribute.

➢ **multivalued attribute**

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

_____ is used to find out that what values or attributes will appear in which reports, for this purpose the major item names are written in the row wise order and the reports which will be generated will be written in column wise order.

➢ **Cross Reference Matrix**

Question No:209 (Marks:1) Vu-Topper RM

Which of the following constraint is included in the definition of the table?

➢ **Null**

Question No:210 (Marks:1) Vu-Topper RM

Which of the following constraint states that in a relation, no attribute of a primary key (PK) can have null value?

➢**Entity Integrity Constraint**

Question No:211 (Marks:1) Vu-Topper RM

Which of the following constraint means that if we do not give any value to any particular attribute, it will be given a certain value?

➢ **Default Value**

Question No:212 (Marks:1) Vu-Topper RM

_____ are those languages in which what to do and how to do on the database is required.

➢**Procedural Languages**

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

The primary key of EMP table is _____ whereas foreign key of EMP table is _____.

➢ **empId**

Question No:214 (Marks:1) Vu-Topper RM

Which of the following is not the component of Relational Data Model?

➢ **Manipulation Language**

Question No:215 (Marks:1) Vu-Topper RM

_____ are those attributes that are a combination of two or more than two attributes.

➢ **Composite attributes**

Question No:216 (Marks:1) Vu-Topper RM

Which of the following Greek letter is used to denote the select operation?

➢ **Greek sigma ( )**