MCQ Question: What is the full form of DBMS?

Options:

1. Data of Binary Management System
2. <mark>Database Management System</mark>
3. Database Management Service
4. Data Backup Management System

Correct Answer: Database Management System

MCQ Question: What is a database?

Options:

1. Organized collection of information that cannot be accessed, updated, and managed
2. Collection of data or information without organizing
3. <mark>Organized collection of data or information that can be accessed, updated, and managed</mark>
4. Organized collection of data that cannot be updated

Correct Answer: Organized collection of data or information that can be accessed, updated, and managed

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MCQ Question: What is DBMS?

Options:

1. DBMS is a collection of queries
2. DBMS is a high-level language
3. DBMS is a programming language
4. <mark>DBMS stores, modifies and retrieves data</mark>

Correct Answer: DBMS stores, modifies and retrieves data

MCQ Question: Which type of data can be stored in the database?

Options:

1. Image oriented data
2. Text, files containing data
3. Data in the form of audio or video
4. <mark>All of the above</mark>

Correct Answer: All of the above

MCQ Question: In which of the following formats data is stored in the database management system?

Options:

1. Image
2. Text
3. <mark>Table</mark>
4. Graph

Correct Answer: Table

MCQ Question: Which of the following is not a feature of DBMS?

Options:

1. Minimum Duplication and Redundancy of Data
2. High Level of Security
3. <mark>Single-user Access only</mark>
4. Support ACID Property

Correct Answer: Single-user Access only

MCQ Question: Which of the following is a feature of the database?

Options:

1. No-backup for the data stored
2. <mark>User interface provided</mark>
3. Lack of Authentication
4. Store data in multiple locations

Correct Answer: User interface provided

MCQ Question: Which of the following is not a function of the database?

Options:

1. Managing stored data
2. Manipulating data
3. Security for stored data
4. <mark>Analyzing code</mark>

Correct Answer: Analyzing code

MCQ Question: Which of the following is a function of the DBMS?

Options:

1. Storing data

2. Providing multi-users access control
3. Data Integrity
4. All of the above

Correct Answer:

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MCQ Question: Which of the following is a component of the DBMS?

Options:

1. Data
2. Data Languages
3. Data Manager
4. <mark>All of the above</mark>

Correct Answer: All of the above

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MCQ Question: The oldest DB model is _____

Options:

1. <mark>Network</mark>
2. Physical
3. Hierarchical
4. Relational

Correct Answer: Network

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MCQ Question: Which of the following establishes a top-to-bottom relationship among the items?

Options:

1. Relational schema
2. Network schema
3. <mark>Hierarchical schema</mark>
4. All of the mentioned

Correct Answer: Hierarchical schema

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MCQ Question: The logical design, and the snapshot of the data at a given instant in time is known as?

Options:

1. Instance & Relation
2. Relation & Schema
3. Domain & Schema

4. <mark>Schema & Instance</mark>

Correct Answer: Schema & Instance

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MCQ Question: Procedural language among the following is _____

Options:

1. Domain relational calculus
2. Tuple relational calculus
3. <mark>Relational algebra</mark>
4. Query language

Correct Answer: Relational algebra

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MCQ Question: What does an RDBMS consist of?

Options:

1. Collection of Records
2. Collection of Keys
3. <mark>Collection of Tables</mark>
4. Collection of Fields

Correct Answer: Collection of Tables

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MCQ Question: Which of the following is known as a set of entities of the same type that share same properties, or attributes?

Options:

1. Relation set
2. Tuples
3. <mark>Entity set</mark>
4. Entity Relation model

Correct Answer: Entity set

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MCQ Question: The DBMS acts as an interface between _____ and _____ of an enterprise-class system.

Options:

1. <mark>Database application and the database</mark>
2. Data and the DBMS
3. Application and SQL
4. The user and the software

Correct Answer: Database application and the database

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MCQ Question: The ability to query data, as well as insert, delete, and alter tuples, is offered by _____

Options:

1. TCL (Transaction Control Language)
2. DCL (Data Control Language)
3. DDL (Data Definition Langauge)
4. DML (Data Manipulation Langauge)

Correct Answer: DML (Data Manipulation Langauge)

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MCQ Question: A relational database consists of a collection of

Options:

1. Tables
2. Fields
3. Records
4. Keys

Correct Answer: Tables

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MCQ Question: A _____ in a table represents a relationship among a set of values.

Options:

1. Column
2. Key
3. Row
4. Entry

Correct Answer: Row

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MCQ Question: The term _____ is used to refer to a row.

Options:

1. Attribute
2. Tuple
3. Field
4. Instance

Correct Answer: Tuple

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MCQ Question: The term attribute refers to a _____ of a table

Options:

1. Record
2. Tuple
3. <mark>Column</mark>
4. Key

Correct Answer: Column

MCQ Question: For each attribute of a relation, there is a set of permitted values, called the _____ of that attribute

Options:

1. <mark>Domain</mark>
2. Relation
3. Set
4. Schema

Correct Answer: Domain

MCQ Question: Database _____ which is the logical design of the database, and the database _____ which is a snapshot of the data in the database at a given instant in time.

Options:

1. Instance, Schema
2. Relation, Schema
3. Relation, Domain
4. <mark>Schema, Instance</mark>

Correct Answer: Schema, Instance

MCQ Question: Course(course_id,sec_id,semester) Here the course_id,sec_id and semester are _____ and course is a _____

Options:

1. Relations, Attribute
2. <mark>Attributes, Relation</mark>
3. Tuple, Relation
4. Tuple, Attributes

Correct Answer: Attributes, Relation

MCQ Question: A domain is atomic if elements of the domain are considered to be _____

units

Options:

1. Different
2. <mark>Indivisbile</mark>
3. Constant
4. Divisible

Correct Answer: Indivisbile

MCQ Question: The tuples of the relations can be of _____ order.

Options:

1. <mark>Any</mark>
2. Same
3. Sorted
4. Constant

Correct Answer: Any

MCQ Question: Department (dept name, building, budget) and Employee (employee_id, name, dept name, salary) Here the dept_name attribute appears in both the relations. Here using common attributes in relation schema is one way of relating _____ relations.

Options:

1. Attributes of common
2. Tuple of common
3. <mark>Tuple of distinct</mark>
4. Attributes of distinct

Correct Answer: Tuple of distinct

MCQ Question: Which of the following is not a type of database?

Options:

1. Hierarchical
2. Network
3. Distributed
4. <mark>Decentralized</mark>

Correct Answer: Decentralized

MCQ Question: Which of the following is a function of the DBMS?

Options:

1. Storing data
2. Providing multi-users access control
3. Data Integrity
4. <mark>All of the above</mark>

Correct Answer: All of the above