

Course  
&  
Test Series

Self-Made Assignment - Data and Database Management System

Basic Relational DBMS Concepts

You have to write the answers to the questions in your notebook and write the descriptive questions in your own language.

Multiple Choice Questions (MCQs)

Q1. What is a tuple in a relational database?

- A) A column in a table
- B) The structure of a table
- C) A single row representing one record
- D) A database queries

Q2. Which of the following can be considered an attribute in the "Students" table?

- A) 101
- B) Name
- C) Riya
- D) 10-A

Q3. What does the primary key ensure in a table?

- A) The data is sorted alphabetically
- B) Each row is uniquely identifiable and not null
- C) Each value appears only once in the column
- D) Every column must have a value

Q4. Which of the following is an example of referential integrity constraint?

- A) Two students having same ID
- B) A student with no name
- C) Marks table referring to a StudentID that exists in Students table
- D) A column containing text instead of numbers

Q5. What is defined in a relation schema?

- A) Only the names of tables
- B) Only the values in the table
- C) The table name, attributes, and their data types
- D) The size of the table

True False Questions

1. A relation in a database is the same as a table.
2. An attribute is used to uniquely identify rows in a table.
3. Domain constraints ensure that data entered in a column is of the correct type.
4. A primary key can contain null values.
5. Referential integrity allows a table to reference records that don't exist in another table.

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**Matching Questions**

Match the terms in Column A with their correct definitions in Column B:

Column A	Column B
A. Tuple	1. Defines table name, columns, and data types
B. Attribute	2. A row in a table
C. Relation Schema	3. A column that describes a property of the data
D. Primary Key	4. Must be unique and not null
E. Referential Integrity	5. Ensures foreign keys match existing primary key values

**Descriptive Questions**

- Q1. What is a tuple in a database table? Give an example.  
Q2. Define an attribute with an example from a "Students" table.

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