2MCM1 - Paper-I : DBMS Concepts

P. Pages : 2   ‖‖‖‖‖‖‖‖‖   **GUG/W/18/1026**

Time : Three Hours   * 0 7 5 2 *   Max. Marks : 80

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Notes :   1.   All questions are compulsory and carry equal marks.
           2.   Draw neat and clean diagram wherever necessary.
           3.   Avoid vague answers and write answers relevant and specific to questions only.

1.   EITHER.

   a)   Explain the components of DBMS.   **8**

   b)   Explain three tier Architecture in detail.   **8**

                          OR

   c)   Enlist Advantages & Disadvantages of DBMS.   **8**

   d)   Explain the role of database Administrator.   **8**

2.   EITHER.

   a)   Explain Relational database structure.   **8**

   b)   Discuss the Codd's Rules.   **8**

                          OR

   c)   Define Normalization explain 2NF with example.   **8**

   d)   Explain Relational Algebra with example.   **8**

3.   EITHER.

   a)   Explain table and Query with example.   **8**

   b)   How database is design? Explain with example.   **8**

                          OR

   c)   Explain field types used in MS-Access.   **8**

   d)   How database is create using wizard? Explain.   **8**

4.   EITHER.

    a) What is Query? Explain different types of Query.   **8**

    b) Explain procedure to create a form with example.   **8**

<div align="center">OR</div>

    c) Explain procedure to create a Report with example.   **8**

    d) Discuss filter using multiple criteria in detail.   **8**

5.   Solve all the questions.

    a) Enlist characteristics of DBMS.   **4**

    b) Explain 3NF with example.   **4**

    c) Write a note on Editing Record.   **4**

    d) Write a note on Macro with example.   **4**

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