2MCM1 - Paper - I DBMS Concepts

P. Pages : 2

Time : Three Hours

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2812

GUG/W/16/5226

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.

Either

1. a) Explain following terms.   **8**

      a) Data Redundancy.   b) Data Integrity.

      c) Data Isolation.   d) Data Dependency.

    b) Write a Difference between File Based system and DBMS environment.   **8**

OR

    c) What are the objectives of database approach?   **8**

    d) List the benefits of database approach.   **8**

Either

2. a) Define and write a short note on following.   **8**

      a) Entities   b) Entity set

      c) Attributes   d) Relationship.

    b) Write a note on following structure with advantages and disadvantages. **8**

      a) Hierarchical database structure.

      b) Network database Structure.

OR

    c) Explain the second normal form and third normal form with suitable example. **8**

    d) Explain briefly the Codd's Rules.   **8**

Either

3. a) Explain   **8**

     i) Functions of DBMS database users.

     ii) Functions of DBA.

b)	Write a procedure to.	**8**

    i)   Insert a record.   ii)   Deleting the record(s).

    iii) Selection of record.   iv)   modifying the record.

OR

c)   Explain the usages of Navigation buttons supported by MS-Access.   **8**

d)   Discuss the various tabs included within MS-Access Ribbon.   **8**

Either

4. a)   What is Wildcard character? Explain the various wildcard characters supported by MS-Access.   **8**

    b)   What is cross tab query? Write a procedure to create cross tab query.   **8**

OR

    c)   What do you mean by Forms? Write a procedure to create a form in MS-Access.   **8**

    d)   Write a note on   **8**

        i)   Compacting and Repairing a Database

        ii)   Backup

5.   Solve all the questions.

    a)   Write a short note on Database approach.   **4**

    b)   What is Relational algebra?   **4**

    c)   Explain the various data type formats.   **4**

    d)   Explain the various criteria that can be specify in the queries using suitable example.   **4**

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