

M.C.M. - I CBCS Pattern Semester-II  
**PCMCMT201 - Paper-I : DBMS Concepts**

P. Pages : 2

Time : Three Hours



**GUG/W/23/10762**

Max. Marks : 80

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

**Either:**

1. a) Write down the difference between file based system and DBMS environment. 8
- b) Explain three levels of architecture in detail. 8

**OR**

- c) What is DBA? Explain the role of DBA in DBMS. 8
- d) Explain various components of DBMS. 8

**Either:**

2. a) What is data model? Explain Record Based Logical Model. 8
- b) Discuss Functional Dependency in detail. 8

**OR**

- c) What is Normalization? Explain it along with its types. 8
- d) What is Codd's Rules? Explain it in detail. 8

**Either:**

3. a) What is MS-Access? Explain the characteristic of Access. 8
- b) Explain the various data type supported by MS-Access. 8

**OR**

- c) How one can create looks list in MS-Access? Write it's advantages. 8
- d) Explain the elements of an Access database in detail. 8

**Either:**

4. a) What is Query? Explain different types of queries. **8**
- b) Explain the various criteria that can be specify in the queries using suitable example. **8**

**OR**

- c) What do you mean by forms? Write a procedure to create a form in MS-Access. **8**
- d) Explain the concept of filtering data with suitable example. **8**
5. Attempt all the following questions.
- a) Write short note on: **4**
- i) Data
- ii) Data Redundancy
- b) Explain the BCNF with suitable example. **4**
- c) Write a procedure to delete record in MS-Access? **4**
- d) Write a note on Macros. **4**

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