

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

P. Pages : 2

Time : Three Hours



GUG/W/24/10762

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and uses supporting data wherever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Explain component of DBMS in detail. 8
- b) Explain three tier architecture of DBMS. 8

OR

- c) Differentiate between traditional file based system and DBMS environment. 8
- d) Write a detail note on Data abstraction. 8

Either:

2. a) Explain the third normal form with suitable example. 8
- b) Explain relational Algebra in detail. 8

OR

- c) Write a detail note on Record based logical model. 8
- d) Discuss Codd's Rules in detail. 8

Either:

3. a) Write a procedure to create database and table in MS-Access. 8
- b) Explain data types used in MS-Access. 8

OR

- c) Write down the steps for creating database using wizard in MS-Access. 8
- d) What is the purpose of field type hyperlink in MS-Access? What kind of data one must insert for such column? 8

Either:

4. a) Write down the procedure to create a form. 8
- b) Write a short note on- 8
- i) Report
- ii) Macros

OR

- c) Explain the various criteria that one can specify in the queries using suitable example. 8
- d) What is query? Explain different types of query. 8
5. Solve all the questions.
- a) Write a short note on Benefits of DBMS. 4
- b) Explain Data model in brief. 4
- c) What is the purpose of Yes/No Field? Explain its importance with suitable example. 4
- d) Explain filter in detail. 4
