

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

P. Pages : 2

Time : Three Hours



GUG/S/24/10762

Max. Marks : 80

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

Either

1. a) Explain the role of Database administrator in detail. 8
- b) Describe data abstraction and its significance in database systems. 8

OR

- c) Explain the concept of three-tier architecture in detail. 8
- d) Describe data processing and its importance in database environment. 8

Either

2. a) Define data model. Explain its significance in database design. 8
- b) Explain Record-based logical model in detail. 8

OR

- c) Describe structure of Relational database in detail. 8
- d) What do you mean by normalization? Explain 2NF with example. 8

Either

3. a) Explain the advantages of MS-Access in detail. 8
- b) Write a procedure to create a new database in MS-Access. 8

OR

- c) Explain different field types available in MS-Access. 8
- d) Explain how to add, delete and edit record in MS-Access database. 8

Either

4. a) Describe the procedure for creating macro in MS-Access. 8
- b) Discuss the different types of queries available in MS-Access. 8

OR

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| c) | Write a procedure to create a form in MS-Access. | 8 |
| d) | Explain sections of Report in MS-Access. | 8 |

5. Solve all the questions.

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| a) | Explain benefits of DBMS. | 4 |
| b) | Write a short note on functional dependency. | 4 |
| c) | Explain macros in short. | 4 |
| d) | How data can be filtered in MS-Access? Explain in short. | 4 |
