

B.C.C.A.- II (CBCS Pattern) Semester - III
UBCCAT303 - Paper-III : Database Management System Concept

P. Pages : 2

Time : Three Hours



GUG/S/23/10628

Max. Marks : 40

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

Either:

1. a) Explain the components of DBMS in detail. 4
- b) Explain the role, function & responsibility of DBA? 4

OR

- c) Explain the Advantages of DBMS. 4
- d) What is Three Tier Architecture? Explain. 4

Either:

2. a) What is Data models? Explain any one data models in detail. 4
- b) What is normalization? List the various advantages of normalization? 4

OR

- c) Explain Codd's Rules in detail. 4
- d) Write a note on – 4
 - i) Functional Dependency
 - ii) Relational Algebra.

Either:

3. a) Explain various elements of MS-Access in detail. 4
- b) Write the procedure of editing table and its records. 4

OR

- c) Explain various field types used in MS-Access in detail. 4
- d) Write a note on: 4
 - i) Macros
 - ii) Reports

Either:

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|-----------|----|--|----------|
| 4. | a) | Explain Query and its types in detail. | 4 |
| | b) | Write a note on | 4 |
| | | i) Form | |
| | | ii) Report | |

OR

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|-----------|----|--|----------|
| | c) | Write the procedure to create a form. Give one of the example of it. | 4 |
| | d) | Explain how to specify criteria in Queries. | 4 |
| 5. | | Attempt all the questions. | |
| | a) | Explain the Advantages of DBMS. | 2 |
| | b) | Explain First Normal form with suitable example. | 2 |
| | c) | Write the procedure to create table using design view. | 2 |
| | d) | Write a short note on filtering data. | 2 |
