

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

P. Pages : 1

Time : Three Hours



GUG/W/22/10628

Max. Marks : 40

- 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 following terms: 1) Data Redundancy 2) Data Integrity 4
b) List the advantage and disadvantages of DBMS. 4

OR

- c) Explain in briefly three level of Architecture. 4
d) List the various functions of DBA. 4

Either:

2. a) What is Data Model? Explain the various types of Data Model. 4
b) Explain the following dependency with suitable example. 4
 • Full functional dependency.
 • Partial dependency.

OR

- c) Write & Explain the Codd's rules. 4
d) Define ER diagram. Construct ER diagram for library management. 4

Either:

3. a) List the features of MS – Access. 4
b) Write a procedure to: 4
 • Insert a record
 • Selection of record(s)

OR

- c) Explain different database objects supported by MS – Access. 4
d) What is validation? Explain with suitable example how it can be incorporated in MS – Access. 4

Either:

4. a) What do you mean by Query? Write different types of queries supported by MS – Access. 4
b) Write a note on Forms & give the procedure to create a form. 4

OR

- c) How to perform simple calculation in MS – Access? Show it by adding a suitable new column in the table. 4
d) List and explain the two components of Query designer. 4

5. Attempt all the questions. 4
a) Give disadvantages of traditional file system. 2
b) Write a note on strong & weak entity set. 2
c) Write a procedure to find and replace a data. 2
d) Write a note on printing a report. 2
