

Seat No.	
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January - February (Winter) Examination - 2023
Subject Name: B.C.A. (CBCS)_80868_DBMS_24.01.2023_10.30 AM To 01.30 PM
Subject Code: 80868

Day and Date: Tuesday, 24-01-2023
Time: 10:30 am to 01:30 pm

Total
Mark
s: 70

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

1) Que.1 and Que. 6 are compulsory 2) Attempt any three Questions from Que. No.2 to Que. No. 5.

Q.1. A) Choose correct alternatives for following questions from options given [20] below. (10 Marks)

1. A functional dependency is a relationship between or among

.....

1. Entities
2. Rows
3. Attributes
4. Tables

2. The methodology for documenting databases illustrating the relationship between various entities in the database is.....

1. Data flow diagram
2. State transition diagram
3. Entity-relationship diagram
4. Entity sequence diagram

3. There are _____ types of mapping cardinality

1. 1
2. 2
3. 3
4. 4

4. ___ is not a valid data type in MS Access.

1. Auto number
2. Currency
3. Memo
4. Picture

5. What is the maximum length a text field?

1. 75
2. 120
3. 255
4. 265

6. In Access, ___ are used to store the data.
1. Report
 2. Form
 3. Table
 4. Query
7. Types of SQL Commands are -
1. DDL
 2. DML
 3. DCL
 4. All of the above
8. Full form of DML is -
1. Data Multiplication Language
 2. Data Manipulation Language
 3. Data Modify Language
 4. Data Mapping Language
9. The table records can be retrieved using which command?
1. RETRIEVE
 2. SELECT
 3. CREATE
 4. ALTER
10. What is sequential file organization?
1. Any record can be placed wherever there is a space for the record
 2. Records are stored in a sequential order according to a search key
 3. A hash function is computed on some attribute and that decides the block
 4. None of the mentioned

B) Write answers of following questions in brief(Any Two) 10
Marks

1. Describe advantages and disadvantages of DBMS.
 2. Explain different keys used in DBMS.
 3. What are different datatypes used in MS Access?
- Q.2. What is DBMS? Explain need and features of DBMS. [10]
- Q.3. What is normalization? Explain the different normal forms. [10]
- Q.4. Explain data definition language (DDL) commands with example. [10]
- Q.5. Explain file organization in detail. [10]
- Q.6. Write notes on (Any Four) [20]
1. Centralized database system.
 2. Aggregate functions.
 3. Entity Relationship Model
 4. Order by clause
 5. Users of databases.
 6. DML