

Seat No.

Total No of Pages: 2

**SHIVAJI UNIVERSITY, KOLHAPUR**  
**DATTAJIRAO KADAM ARTS, SCIENCE AND COMMERCE COLLEGE, ICHALKARANJI**  
**B.C.A. (Part-I) (Semester-II) Examination, March/April-2023**

**Title of Subject: BCA**  
**Title of Paper: DBMS**

**Paper No : CC201**  
**Subject Code: 88349**

**Day and Date: Monday, 05-06-2023**

**Total Marks: 80**

**Time: 10:30 AM to 01:30 PM**

- Instructions:**
- 1) Que.1 and Que. 8 are compulsory
  - 2) Attempt any Three Questions from Que. No. 2 to Que. No. 7.
  - 3) Figures to the right indicate full marks.
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**Q 1) Select correct alternative and rewrite the sentence.**

**[12]**

1. What is DBMS?
  - a) DBMS is a collection of queries
  - b) DBMS is a high-level language
  - c) DBMS is a programming language
  - d) DBMS stores, modifies and retrieves data
2. The term attribute refers to a \_\_\_\_\_ of a table.
  - a) Record
  - b) Column
  - c) Tuple
  - d) key.
3. The term \_\_\_\_\_ is used to refer to a row.
  - a) Attribute
  - b) Tuple
  - c) Field
  - d) Instance.
4. E-R Model represents \_\_\_\_\_ symbol to represent Entity.
  - a) Rectangle
  - b) Diamond
  - c) Dotted rectangle
  - d) Line.
5. Which of the following is not a type of database?
  - a) Hierarchical
  - b) Network
  - c) Distributed
  - d) Decentralized
6. Which of the following is a command of DDL?
  - a) Alter
  - b) Drop
  - c) Create
  - d) All of the above.

7. Attribute in Entity relationship diagram are represented by\_\_\_\_\_
- a) Ellipse            b) Rectangle            c) Line            d) Circle.
8. DML is concern with\_\_\_\_\_.
- a) Create            b) Alter            c) Drop            d) None of these
9. In which of the following formats data is stored in the database management system.
- a) Image            b) Text            c) Table            d) Graph
10. Select the correct command to modify a column in a table
- a) Update            b) Alter            c) Drop            d) Set
11. Which of the following cannot be used to modify the data in a database?
- a) Delete            b) Update            c) Drop            d) Insert
12. Minimal Super keys are also called?
- a) Primary Key    b) Candidate Key    c) Foreign Key    d) None of these

**Q 2) What is DBMS? Explain the structure of DBMS? [16]**

**Q 3) What is Normalization? Explain 1NF, 2NF, 3NF with example. [16]**

**Q 4) What is ER-Model? Explain ER-Model with suitable example. [16]**

**Q 5) What is SQL? Explain DDL and DML commands in details? [16]**

**Q 6) What is DBMS? Discuss advantage and disadvantage of DBMS? [16]**

**Q 7) What is Database? Explain types of database system?**

**Q 8) Write short note on following (Any Four) [20]**

1. DBA
2. Data Independence
3. Function of DBMS.
4. DFD
5. DCL and DQL
6. Schema And Subschema