

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 (CBCS) (NEP)

Examination May, 2023

### Database Management System

Sub. Code: 88349

Day and Date: Monday, 05-06-2023

Total Marks: 80

Time: 10.30 a.m. to 01.30 p.m.

*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.*

---

**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