

Seat

No.

Total No of Pages: 3

**Kamala College, Kolhapur**

**(Autonomous)**

**B.C.A (Part -I) (Semester - II)**

**Examination March/April - 2024**

**Database Management System (DBMS)**

**Sub. Code: CC-308**



**Day and Date: Friday, 05/04/2024**

**Total Marks: 80**

**Time : 12:00 pm. to 03:00 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 total marks.*

Q. 1 Multiple choice questions.

12

1. Which of the following refers to the number of attributes in a relation?
  - a) Degree
  - b) Row
  - c) Column
  - d) All of the above
2. Which one of the following is a type of data Manipulation Command?
  - a) Create
  - b) Alter
  - c) Delete
  - d) All of the above
3. Redundancy is reduced in a database table by using the \_\_\_ form.
  - a) Special
  - b) Common
  - c) Normal
  - d) Abnormal
4. The term "FAT" stands for \_\_\_\_\_.
  - a) File Allocation Tree
  - b) Field allocation Table
  - c) File Allocation Table
  - d) None of these



5. The Relational model first developed by----- in 1970.

- a) Dr. E.F codd
- b) Bjarne Stroustup
- c) Dennis Ritchie
- d) Henry Fayol

6. Select the correct foreign key constraint?

- a) Referential Integrity
- b) Entity Integrity
- c) Domain Integrity
- d) Microprocessors

7. ----- is used for representing entities of interest and their relationship in the database.

- a) Data model
- b) Data structure
- c) DFD
- d) none of these

8. The architecture of a database can be viewed as the\_\_\_\_\_.

- a) One level
- b) Two level
- c) Three level
- d) Four level

9. Which of the following keys is generally used to represents the relationships between the tables?

- a) Primary Key
- b) Foreign Key
- c) Secondary Key
- d) None of the above

10. Which one of the following is refers to the number of tuples in a relation?

- a) Entity
- b) Column
- c) Cardinality
- d) None of the above

11. The term "Data" refers to\_\_\_\_\_

- a) The electronic representation of the information (or data)
- b) Basic Information
- c) Raw Fact and Figures
- d) Both a & c

12. Which of the following is not SQL command type.

- a) DDL
- b) DML
- c) DQL
- d) CTL



Q. 2	What is DBMS? Explain Advantages and disadvantages of DBMS.	16
Q. 3	What is normalization? Explain the types of normalization in detail.	16
Q. 4	Explain the different keys used in DBMS.	16
Q. 5	What is SQL? Explain the different data types used in SQL.	16
Q. 6	Explain the different SQL command used in DBMS.	16
Q. 7	What are the different types of users in DBMS?	16
Q. 8	Write notes. (Any four out of six)	20
	1. Difference between DBMS and File System	
	2. Aggregate functions	
	3. Order by clause	
	4. Data Independence	
	5. Queries in MS-Access	
	6. Entity Relationship Model	

