

Seat	
No.	

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Kamala College, Kolhapur
(Autonomous)

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

Examination November - 2023

Database Management System (DBMS)

Sub. Code: CC-308

Day and Date: Wednesday, 01/11/2023
Time : 12:00 pm to 03:00 pm

Total Marks: 80

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.

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1. Which of the following is/are feature of DBMS?
 - a) Integrity
 - b) Reduction of Redundancy
 - c) Data Independence
 - d) All of above
2. Which of the following is not architecture of database?
 - a) Physical (internal) Level
 - b) Middle Level
 - c) Conceptual Level
 - d) External Level
3. ----- users who need not be aware of the presence of the database system.
 - a) Naïve
 - b) online
 - c) Application programmer
 - d) DBA
4. -----data independence allows changes in the physical devices or organization of files to be made without requiring changes in the conceptual view.
 - a) Physical
 - b) Logical
 - c) Both A & B
 - d) None of these.

5. ----- 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
6. The Relational model first developed by----- in 1970.
- a) Dr. E.F code
 - b) Bjarne Stroustup
 - c) Dennis Ritchie
 - d) Henry Fayol
7. Which of the following is not SQL command type?
- a) DDL
 - b) DML
 - c) DQL
 - d) CTL
8. 2NF relations are those that are in 1NF with all the attribute types depend on the ----- key.
- a) Primary
 - b) Foreign
 - c) Composite
 - d) Alternate
9. Which of the following is the type of file organization?
- a) Heap files organization
 - b) Sequential Files organization
 - c) Serial files organization
 - d) All of above
10. Select the correct command to find the number of values in a column.
- a) add
 - b) sum
 - c) avg
 - d) count
11. Select the correct foreign key constraint?
- a) Referential Integrity
 - b) Entity Integrity
 - c) Domain Integrity
 - d) Microprocessors
12. Which field type will you select if you need to enter long text in that field?
- a) Text
 - b) Memo
 - c) Currency
 - d) Hyperlink

- Q. 2 What is DBMS? Explain features 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 Database system? 16
- Q. 8 Write notes. (Any four out of six) 20
1. Aggregate functions
 2. Order by clause
 3. Data Independence
 4. File Organization
 5. DFD
 6. Random File Access

