B.C.A (Part -I) (Semester - II) (CBCS) Examination
March / April – 2024

College Name : - Kamala College, Kolhapur

Subject Name :-Database Management System (DBMS)

Subject Code   : 80868

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

Time   : 10.30 am. To 01.30 pm.

Total Marks: 70

Period: 3 hours

Total pages: 3

Instructions
1) *Figures to the right indicate full marks*
2) *Q.1 & Q.6 are compulsory and attempt any three from Q.2 to Q.5*

Q. 1   20

A) Multiple Choice Question   [10]

1) The term "FAT" stands for_____
   a) File Allocation Tree   b) Field allocation Table
   c) File Allocation Table   d) None of these

2) Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation etc.?
   a) Data Definition Language   b) Data Derived Language
   c) Database Definition Language d) Database Display Language

3) 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

4) 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

5) Which of the following refers to the number of attributes in a relation?
   a) Degree
   b) Row
   c) Column
   d) All of the above

6) Which one of the following is a type of data Manipulation Command?
   a) Create
   b) Alter
   c) Delete
   d) All of the above

7) Which one of the following refers to the total view of the database content.
   a) Conceptual View
   b) Physical View
   c) internal View
   d) External View

8) Redundancy is reduced in a database table by using the ___ form.
   a) Special
   b) Common
   c) Normal
   d) Abnormal

9) The architecture of a database can be viewed as the_____.
   a) One level
   b) Two level
   c) Three level
   d) Four level

10) 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

B) Short Answer Question (Any 2 out of 3) [10]

   1) Data Independence

   2) Users of the database

   3) DFD

Q. 2   What is Normalization explain with types of normalization in detail.   10

Q. 3   What is SQL? Explain the different data types used in SQL.   10

Q. 4   Explain DDL Command in detail.   10

Q. 5   Explain architecture of database System.   10

Q. 6   Write short notes. (Any four out of six)   20

A) Different between DBMS and File System.

B) Types of Database System.

C) Entity Relationship Model.

D) Serial File Organization.

E) Reports in MS-ACCESS.

F) Aggregate functions.