LBS CENTRE FOR SCIENCE & TECHNOLOGY
DCA I SEMESTER REGULAR/SUPPLEMENTARY EXAMINATION JANUARY 2020
DCA2K17 103 – DATABASE SYSTEMS AND APPLICATIONS

Time: 2 Hrs.   **Max. Marks: 100**

PART A (Answer all questions)

I   Choose the correct answer (Each question carries 1 mark)

1. An example of Open Source RDBMS is

    a)MS ACCESS   b) MS EXCEL   c) MS WORD   d) MySQL

2. The extension of MS ACCESS 2007 file is

    a) .accdb   b) .mdb   c) .Access   d) None

3. In MSACCESS the question that we ask to the database is called

    a) Form   b) Report   c) Query   d) Table

4. In RDBMS a table is called

    a) Relation   b) Database   c) Data   d) Query

5. The function that returns the number of rows in a table is

    a) Counter()   b) Avg()   c) Count()   d) Max()

6. The MySQL command to show the tables in a database is

    a)Use   b) Show Tables   c) Show   d) Display

7. The MySQL command to delete a table is

    a)Delete Table   b) Drop Table   c) Delete   d) None

8. This key is a Primary key of another table.

    a) Candidate Key   b) Foreign Key   c) Alter Key   d) Primary Key

9. Using the query DELETE FROM Student where AdmnNo=101; **Student** stands for

    a) Table   b) Record   c) Row   d) Criteria

10. MySQL command used to add, delete or modify columns in an existing table is

    a) MODIFY TABLE   b) ALTER TABLE   c) DELETE TABLE   d) UPDATE

                                                                      [10 x 1=10]

Fill in the blanks (Each question carries 2 marks)

11.   LAMP stands for..........

12.   The ....clause is used to sort the rows in a table

13.   .... command is used to select a database in the MYSQL workarea.

14.   A software which is used to manage a database is called ....

15.   .... function is used to find the position of a substring within a string.

16.   .... Clause is used to create a Foreign key constraint.

17.   The Primary key is .... and ....

18.   In MS ACCESS the graphical representation of a table is called ....

19.   .... and .... are wild card characters in a pattern search

20. The Command used to retrieve records from a table is .... **[10 x 2=20]**

PART B

II Answer any FIVE questions from the following. (Each question carries 6 marks)

1.   Explain any three types of databases.

2.   Explain any four datatypes in MS ACCESS

3.   Write the steps to create a form using Wizard

4.   Explain LAMP

5.   Explain any two DML commands

6.   Explain any three string functions in MySQL.

7.   Explain the UPDATE command with a suitable example.

8. Explain any three field properties in MS ACCESS. **[5 x 6 =30]**

PART C

III   Answer any FOUR questions from the following. (Each question carries 10 marks)

1.   Explain any five advantages of database systems.

2.   Explain the steps to create a Report in MS ACCESS

3.   Explain the LIKE and BETWEEN clause in MYSQL with examples.

4.   Explain the following commands

   a.   SELECT   b. INSERT   c. DROP TABLE   d. DELETE

5. Explain any two DATE functions in MySQL with examples.

6. Write the MySQL commands for the following.

   a.   Create a database **Item**

   b.   Create a table **purchase** that contains itemno, Name_of_Item, Quantity and unit_Price

   c.   Insert 3 records

   d.   Display all records

   e.   Delete the table **[4 x 10=40]**