SMLB–425

B.A. LL.B. Honours Course (IVth Semester) Examination, 2022

COMPUTER–II

Paper – 4.1

(Database Management System)

Time : 1½ Hours]   [*Maximum Marks : 70*

Section–A   **(Marks : 2 × 10 = 20)**

Note :–   Answer all *ten* questions (i) to (x) of Q. No. 1 (Answer limit **50** words). Each question carries **2** marks.

Section–B   **(Marks : 4 × 5 = 20)**

Note :–   Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **4** marks.

Section–C   **(Marks : 10 × 3 = 30)**

Note :–   Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section–A

1. (i)   What is Data Abstraction in DBMS ?

   (ii)   What is Instance ?

   (iii)   Are NULL values in a database the same as that of blank space or zero ?

   (iv)   What is Functional Dependency ?

   (v)   What is Entity set ?

   (vi)   What is Join ?

   (vii)   What is Master table and Transaction table ?

   (viii)   Difference between DROP and TRUNCATE Command.

   (ix)   What is a Lock and how, in general, does it work ?

   (x)   What is consistent database state and how it achieved ?

Section–B

2.   What do you understand by Data Model ?

   Or

   What is Codd's Rules ? Write it.

3.   What are the integrity rules in DBMS ?

   Or

   What is BCNF ? Explain with example.

4.   Explain, how you can import data from other sources into Access database.

   Or

   Explain the use of WHERE clause in MS-Access SQL.

5. Write a query for a column addition in MySQL.

Or

What are all the different types of indexes ?

6. What is time stamping method ?

Or

What is Database recovery method or optimistic method ?

Section–C

7. What is Hierarchical and Relational Model with example ?

8. How to Create Entity relationship diagram ? Explain ER diagrams, symbols and notations.

9. What are the components of a form in MS-Access ?

10. What is union, minus, interact commands with example ? Explain ALIAS Command ?

11. What is Lock based Concurrency Control ? Explain it.