Total Pages : 4

KN-388

D.C.A. Examination, 2022

DATABASE MANAGEMENT SYSTEM

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Passing Mark : 40

Note : Attempt **all** questions. **One** question from each unit is **compulsory**. **All** question carry **equal** marks.

Unit - I

1. Explain the following term : [20]

   (a) DDL and DML

   (b) DBMS and Storage structure

OR

Define Database. Discuss about Application of Database System.

Unit - II

2. Explain the theory of ER-diagram. [20]

OR

Explain the following :

(a) Attribute

(b) Entity

(c) Generalization

(d) Aggregation

Unit - III

3. Explain the theory of Relational Data Structure in detail. [20]

OR

Write short notes on the following :

(a) Foreign key

(b) Domain

(c) Index

(d) Data manipulation

Unit - IV

4. Write short notes on the following : [20]

(a) Good and bad decomposition

(b) Set operation

OR

Explain the normal forms and their types with suitable example.

Unit - V

5. Briefly explain **any two** of the following : [20]

   (a) SQL

   (b) ODBC

   (c) Oracle

----x----