21BCA3C7DML

BCA III Semester Degree Examination, March/April - 2023
COMPUTER SCIENCE
Database Management System
(NEP)

Time : 2 Hours   Maximum Marks : 60

SECTION - A

I. Answer **all** the questions, each question carries **one** mark.   **10x1=10**

1. (a)   Define DBMS.

   (b)   What do you mean by Data Independence ?

   (c)   What is Strong Entity ?

   (d)   Define key attribute.

   (e)   Write the meaning of domain constraints.

   (f)   Expand PL/SQL;

   (g)   Define the term Anomaly.

   (h)   What is functional dependency.

   (i)   Define Deadlock.

   (j)   What do you mean by concurring control.

SECTION - B

II. Answer **any four** questions, each question carries **five** marks.   **4x5=20**

2.   Explain characteristics of DBMS.

3.   What is attribute ? Explain different types of attributes.

4.   Explain any two DDL commands.

5.   Explain structure of PL/SQL program with one example.

6.   Explain Transaction state.

7.   What is Relation ? Explain types of relationship.

SECTION - C

III. Answer **any three** questions, each question carries **ten** marks.   **3x10=30**

8. What do you mean by Data Model ? Explain any one type of Data Models.

9. Explain different E.R diagram notations.

10. Explain any two types of JOIN Operations.

11. What is Normalization ? Explain any one normal forms in Normalization.

12. Write a note on ACID properties.

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