TED (15/19) -3132
(Revision- 2015/19)

N21-06681

Reg.No…….....
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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – NOVEMBER -2021.

DATABASE MANAGEMENT SYSTEMS

(Maximum Marks : 75) [Time : 2.15 hours]

PART–A

Marks

I. Answer **any three** questions in one or two sentences. Each question carries 2 marks.

1. List the various database users.
2. List various aggregate functions.
3. Define domain of a relation.
4. List different data types in SQL.
5. Define data mining. (3x2=6)

PART - B

II Answer **any four** of the following questions . Each question carries 6 marks.

1. Explain the advantages of DBMS.
2. Explain 3 schema architecture with neat diagram.
3. Discuss the various keys in RDBMS.
4. Explain ER model with suitable example.
5. Differentiate parallel DBMS and distributed DBMS.
6. Describe about functional dependency.
7. Explain about stored function in SQL with example.

[4x6 =24]

PART - C

(Answer **any of the three units** from the following. Each full question carries 15 marks)

UNIT I

III (a) Explain the application of DBMS. (6)

(b) Explain about hierarchical, network and relational models. (9)

OR

IV (a) Differentiate DDL and DML. (7)

(b) Write notes on centralized and client-server database systems. (8)

UNIT- II

V (a) Explain different notation in ER model. (6)

(b) Describe relational algebra operations like select, project and rename. (9)

OR

VI (a) Explain EER diagram and its features with example. (10)

(b) Write short note on join operations. (5)

UNIT- III

VII (a) Illustrate the method of adding NULL, CHECK, PRIMARY KEY and FOREIGN KEY Constraints with example. (9)

(b) Explain about states of transaction with the help of diagram. (6)

OR

VIII (a) Differentiate trigger and cursor. (8)

(b) Explain the method of authorizing on data and granting and revoking privileges. (7)

UNIT – IV

IX (a) Explain data mining technology. (9)

(b) Describe about mobile database. (6)

OR

X (a) Explain about normalization and different types of normal forms. (9)

(b) Describe about data warehousing. (6)

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