ROLL NO....................

PGDCA. 202/21

II SEMESTER EXAMINATION 2021

PGDCA

PAPER-II

DATABASE MANAGEMENT SYSTEM

TIME: 3 HOURS

MAX. -100
MIN.- 20

Note:- Attempt any two questions from each unit. All questions carry equal marks.

UNIT – I

Q1.   (a)   Describe the data model in detail.

(b)   Discuss the database languages.

(c)   Explain the database administrator and user.

UNIT -II

Q2.   (a)   Discuss the entities, attributes and relationship with example.

(b)   What is ER model? Explain with example.

(c)   How to convert an ER model into relational schema with examaple.

UNIT -III

Q3.   (a)   Explain select, project and cross product with example.

(b)   Discuss the set operations with example.

(c)   Describe the simples and complex queries using relational algebra.

UNIT -IV

Q4.   (a)   Define functional dependencies and explain its types also.

(b)   Explain the 3NF and Boyce codd normal form with examples.

(c)   What is De-Normalization? Explain.

UNIT – V

Q5.   (a)   How to create, modify and drop table with example.

(b)   Discuss the SQL functions.

(c)   What is view? How to create, Drop and retrieve data from view?

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