I-392

PGDCA Examination, 2020

DBMS (SQL/Oracle)

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

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

Unit - I

Q. 1. What do you mean by DBMS ? Explain storage management in detail.

Or

Write short notes on :

(a) Views of data

(b) Purpose of database system

I-392   **P.T.O.**

Unit - II

Q. 2. Discuss E-R diagram neatly in detail.

Or

How to reduce an E-R schema to table ? Briefly explain.

Unit - III

Q. 3. Foreign key with example in detail.

Or

Explain relational algebra and its application in detail.

Unit - IV

Q. 4. Discuss pitfalls in relational database design in detail.

Or

What do you mean by normalization ? Explain 2NF, 3NF and BCNF in detail.

I-392

Unit - V

Q. 5. What is View ? Explain record data type in PL-

SQL / TSQL in detail.

Or

Write short notes on the following :

(a) Triggers

(b) Group by function

———

1,000