b) Briefly explain the conversion to Second Normal Form. 6

UNIT-III

4. a) What is order by clause? Explain with example. 6

OR

b) Briefly explain about SQL JOIN operators. 6

UNIT-IV

5. a) Write short notes on the following:
   i) SQL Constraints  ii) SQL Indexes 6

OR

b) Write brief note on the following:
   i) Listing Table Rows  ii) Updating Table Rows 6

UNIT-V

6. a) Briefly explain the Recovery techniques based on Deferred update. 6

OR

b) Discuss about the Recovery techniques based on Immediate update. 6

[41/IVT/108]
[41/IVT/308]
SECTION-A

1. Answer any FIVE of the following:
   Each answer should not exceed one page. (5 x 2 =10)
   a) What are the types of databases?
   b) Enumerate the advantages of Database Management Systems.
   c) What are the entities in ER model?
   d) What is meant by domain?
   e) List out the Data Definition Commands.
   f) List out the Relational Set Operators.
   g) List out the locking techniques for concurrency control
   h) Define ‘create’ statement.

SECTION-B

Answer the following:

UNIT-I

2. a) Discuss briefly about ER model with the help of a diagram. 6

OR

b) What is the Network Model? Explain. 6

UNIT-II

3. a) Discuss the Normalization process with the help of an example. 6