

OR

- 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]

[MURBM-406 / MPIBA-0406]

**BBM / IMBA DEGREE EXAMINATION
IV TRIMESTER**

DATABASE MANAGEMENT SYSTEMS

(Effective from the admitted batch 2008–09)

Time: 3 Hours

Max.Marks: 40

Instructions: All parts of the unit must be answered in one place only.
Figures in the right hand margin indicate marks allotted.

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