SX-7812   Seat No._____

M. C. A. – 3 Examination
April / May – 2006
Database Management System
(New Course)

Time : **3** Hours]   [Total Marks : **75**

1   Attempt any **four** of the following :   **20**

   (1)   Explain hierarchical, network and relational model in short.

   (2)   What is E–R diagram ? Draw ER diagram for entities and their relationship of a Bank.

   (3)   Explain the major function performed by DBMS.

   (4)   List advantages of database system.

   (5)   What is normalization ? Explain 1'NF.

2   Attempt any **four** of the following :   **20**

   (1)   Explain the steps involved in construction of ERD.

   (2)   State and explain the purpose of recovery.

   (3)   Write short note on ACID.

   (4)   Describe three concurrency problems and explain any one.

   (5)   Describe different categories of integrity rules.

3   Attempt any **four** :   **25**

   (1)   What is cursor ? Explain explicit cursor with suitable example.

   (2)   Explain :old and :new with respect to a trigger.

   (3)   Discuss : Package

SX-7812]   1   **[Contd...**

(4) Explain the following function :

    (i)   translate ( )

    (ii) round ( )

    (iii) to-date ( )

    (iv) ceil ( )

(5) What is stored procedure ? Briefly explain in Oracle.

4 (a) What is join ? List and explain different types of join **5**
          in Oracle.

  (b) Consider the following :   **5**

emp

Field name	Type	Description
eno	number (2)	employee no.
inm	varcher2 (20)	employee name
Desig	varchar2 (10)	Designation
mno	number (2)	Manager no, is the eno of the manager

(1) Create above table with appropriate constrains.

(2) List the eno, ename and corresponding manager name.

_____