905

M.B.A. 3rd Semester Examination

**Database Management System Application Development
Using Oracle and Developer 2000**

ITM-08

Time : 3 Hours   Max. Marks : 60

*The candidates shall limit their answers precisely within the
answer-book (40 pages) issued to them and no supplementary
continuation sheet will be issued.*

Note :   The students are required to attempt five questions in
all selecting one question from each unit.

UNIT - 1

1.   Discuss the three layered architecture of
DBMS. With the help of example show the
different layers.   **(12)**

2.   Taking a particular database, show the
following:

   (a)   Generalization   **(2)**

   (b)   One to many association between
attributes   **(3)**

   (c)   Main to many association between
attributes   **(3)**

   (d)   Binary relationship between different
entity sets.   **(4)**

UNIT - 2

3.   For a product database write SQL commands

   (a)   Create table for product.   **(3)**

(b) Select product with more than one type. **(3)**

(c) Select products with sale more than 50% of production. **(3)**

(d) Count the products with sale more than 50% of production. **(3)**

4. Discuss the terms Save points, Drop Integrity constraints, multi table queries with example. **(12)**

UNIT - 3

5. Why is 4NF preferable to BCNF? Support with example. **(12)**

6. What are different properties of a transaction? Differentiate between commit and rollback? **(12)**

UNIT - 4

7. What is a relational database? What are E.F. Codd's 12 rules for a relational database? **(12)**

8. What is functional dependency? Consider the relation scheme R(A, B). With no information about the functional dependency can you determine its normal form? Justify your answer? **(12)**

UNIT - 5

9. Write short notes on :

(a) Form execution **(6)**

(b) Integrity rules **(6)**

10. Write short notes on

(a) Triggers **(6)**

(b) Report generation. **(6)**