

Paper 4 : DBMS (ORACLE, SQL) - 2016

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 40

Note : Attempt any one parts from each question. All questions carry equal marks.

UNIT - 1

1. (a) Explain DDL, DML and DCL languages with suitable examples.
- (b) What are the various types of DBMS users ? Explain with suitable examples.

OR

- (a) Discuss DBMS storage structure and access method.
- (b) Define the term DBMS. Discuss Instances and Schema with suitable examples.

UNIT - 2

2. (a) Draw an ER-Diagram for Library Management System. Explain various symbols used in ER-Diagram.
- (b) Explain the concept of primary key, foreign key and alternate key using suitable examples.

OR

- (a) Draw an ER-Diagram for Hotel Management System. Explain the concept of Entity and Weak Entity with suitable example.
- (b) Discuss the importance of relationship model in Database Management System.

UNIT - 3

3. (a) Explain the importance of Join. Discuss various types of joins with suitable examples.
- (b) Write a note on structured query language.

OR

- (a) What do you mean by a Query ? Explain the importance of Nested query in DBMS with suitable example.
- (b) Write a note on integrity constraints.

UNIT - 4

- 4. (a) Discuss various Boyce Codd's rules used in RDBMS.
- (b) Discuss 2NF and 3NF with suitable examples.

OR

- (a) What do you mean by DBMS and RDBMS ? Write any five differences between DBMS and RDBMS.
- (b) Discuss the concept of Decomposition. Explain various Pitfalls in a database design.

UNIT - 5

- 5. (a) Create three tables named as employee, salary and department in which each table is having four fields including one primary key :
 - (i) Insert three records in each table.
 - (ii) Display all records of each table.
 - (iii) Delete any one record from each table.
- (b) Write a short note on Oracle and its installation.

OR

- (a) Write a short note on various clauses used in SQL with syntax and examples.
- (b) Write a short note on Roll back, Committ, Delete, Truncate command.

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