M. Sc. (Sem. IV) (CBCS) (Statistics) Examination

May / June – 2015

STAT. CST : 4004 : Oracle

Faculty Code : 003

Subject Code : 017404

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Q-1 Answer **any seven** of the following   (14)

(I)   In E-R Model 'E-R' stands for?

    a) Entity Relational   c) Entity Relation

    b) Entity Relationship   d) Enmity Relationship

(II)   Query to retrieve data from a table

    a) Select * from table name

    b) Select table from table name

    c) Select data from table

    d) Select all data from table

(III)   QBE stands for?

    a) Query by Entity

    b) Question by Entity

    c) Query by Example

    d) Query by Enmity

(IV)   RA Stands for?

    a) Relation Algebra   c) Relational Algebra

    b) Relative Algebra   d) Related Algebra

(V)   Foreign key is

    a) Referential Integrity   c) Referential Constraints

    b) Entity   d) Attributes

(VI)   To update a row or a column to an existing table we use

    a) Alter Table *table name*

    b) Update *table name*

    c) Update Table *table name*

    d) Add row/column *table name*

(VII)   Magnetic Tape is a type of

    a) a storage media   c) a external media

    b) a multi media   d) a input media

(VIII) What is '4NF'?

    a) No repeating groups   c) No transitive dependency

    b) No partially dependency   d) No multi valued dependency

(IX)   What is the full form of HTTP?
a) Hypertext Transfer Protocol   c) Hypertext Transport Protocol
b) Hypertext Transit Protocol   d) Hypertext Transfer Promotion

(X)   Backup and Recovery techniques consist of
a) Transaction log   c) Backup log
b) Normal log   d) BR log

Q-2 Answer **any two** of the following   (14)
(a) Explain the characteristics of data in database.
(b) Explain the Hierarchical Model in Database
(c) Explain Object Oriented Model in Database
(d) Explain Select, Create, Delete and Update Queries with example

Q-3 Answer the following   (14)
(a) Define Relational Data Structure
(b) Explain Codd's Rule
               OR
(a) Describe Database Architecture and Design
(b) Explain E-R Model

Q-4 Answer **any two** from the Following   (14)
(a) Data Integration and Transformation Process and its Operations.
(b) Phases of KDD
(c) Explain Data Integrity with its Components
(d) Explain Data Mart with its advantages

Q-5 Answer **any two** of the following   (14)
(a) Prepare below table using SQL.

Sr_no	C_Name	Type	Qty	Rate	Total
1	Dairy Milk	Chocó	10	25	250
2	5 Star	Chocó	15	25	180
3	Milky bar	Milk	10	20	200
4	Perk	Chocó with Biscuit	25	10	250
5	Kit-kat	Chocó with Biscuit	20	20	400

(b) Write Query from the Table for the below given questions
(1) Increase the price Rs. 5.00 in every chocolate whose type is Chocó
(2) Change the type Milk to White chocolate.
(3) Show the data whose rate is more than Rs. 15
(4) Change the name to 5 Star Gold whose rate qty is more than 10.
(5) Add a column 'Brand_Name' having data type varchar2 and size is 200.

(c) Explain OLTP v/s Data Warehouse
(d) Structure of Data Marts