FIRST TERM EXAMINATION, 2011–2012

COMPTER SCIENCE

Time Allowed : 3 hrs. CLASS-VIII M.M. : 80

1. Multiple choice questions :
   (10)
   (a) Table (b) Database (c) Query
   (2) Individual data items are called :
       (a) Records (b) Fields (c) Tables
   (3) SQL stands for :
       (a) Standard Query language (b) Structured Query Language
       (c) Both (a) and (b)
   (4) Data is stored in the form of a table in :
       (a) File (b) DBMS (c) Software
   (5) The vertical part of a relation is called :
       (a) Tuples (b) Attributes (c) Tables
   (6) The horizontal part of a relation is called :
       (a) Tuples (b) Attributes (c) Tables
   (7) Foreign key must have :
       (a) The database (b) Master table (c) Both (a) and (b)
   (8) The datatype which is numbered automatically in a sequence is :
       (a) Currency (b) Number (c) AutoNumber
   (9) The fundamental unit of a table is :
       (a) Field (b) Record (c) Attribute
   (10) Duplication of data in a database is :
       (a) Data Inconsistency (b) Data Redundancy (c) Data Control language

2. Define :
   (3*2=6)
   (i) Query (ii) Database (iii) Referential Integrity

3. Differentiate between :
   (4*2=8)
   (1) Data and Information
   (2) Master and Slave table
   (3) Front end and Back end
   (4) Primary key and Foreign key

4. Answer the following questions briefly : (5*2=10)
   (1) Give extension name of an Access file.
   (2) What is the need of arranging data in more than one table?
   (3) List any four possible attributes of a Teacher table.

P.T.O.
(4) Give any two examples of RDBMS.

(5) Explain the syntax of `Insert into` command of SQL.

5. Identify the valid field names from the following:
   "cust_id", Address, cust-id, order_number, Age

6. Explain the following clauses used in SQL with an example:
   (a) IN
   (b) ORDERBY.

7. Find errors, if any in the following SQL statements:
   (1) Select from Customer *
   (2) Select "Cust_id", "Address" from Customer
   (3) Select orderNo from customer where cust_id c004
   (4) Select * where cust_id = c007 and age=45
   (5) Select * from Customer where address in (Delhi, Mumbai, Pune, Chennai)

8. Briefly describe the advantages of DBMS.

9. Describe the components of a database system

10. Explain the role of a Database administrator.

11. What is a data type? How is text data type different from a Memo?

12. Define DML. Explain any 2 DML commands with their syntax and example.

13. Create the following table using SQL commands:

   **Table: Movie**

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Type</th>
<th>Rating</th>
<th>Stars</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gone with the wind</td>
<td>Drama</td>
<td>G</td>
<td>Gable</td>
<td>4</td>
<td>39.95</td>
</tr>
<tr>
<td>2</td>
<td>Friday the 13th</td>
<td>Horror</td>
<td>R</td>
<td>Jason</td>
<td>2</td>
<td>69.95</td>
</tr>
<tr>
<td>3</td>
<td>Top Gun</td>
<td>Drama</td>
<td>PG</td>
<td>Cruise</td>
<td>7</td>
<td>49.95</td>
</tr>
<tr>
<td>4</td>
<td>Splash</td>
<td>Comedy</td>
<td>PG</td>
<td>Hanks</td>
<td>3</td>
<td>29.95</td>
</tr>
<tr>
<td>5</td>
<td>Independence Day</td>
<td>Drama</td>
<td>R</td>
<td>Turner</td>
<td>3</td>
<td>19.95</td>
</tr>
<tr>
<td>6</td>
<td>Risky Business</td>
<td>Comedy</td>
<td>R</td>
<td>Cruise</td>
<td>2</td>
<td>44.95</td>
</tr>
<tr>
<td>7</td>
<td>Cocoon</td>
<td>Scientific</td>
<td>PG</td>
<td>Ameche</td>
<td>2</td>
<td>31.95</td>
</tr>
<tr>
<td>8</td>
<td>Crocodile</td>
<td>Comedy</td>
<td>PG</td>
<td>Harris</td>
<td>2</td>
<td>69.95</td>
</tr>
<tr>
<td>9</td>
<td>101 Dalmatians</td>
<td>Comedy</td>
<td>G</td>
<td>Abcd</td>
<td>3</td>
<td>59.95</td>
</tr>
<tr>
<td>10</td>
<td>Tootsie</td>
<td>Comedy</td>
<td>PG</td>
<td>hoffman</td>
<td>7</td>
<td>29.95</td>
</tr>
</tbody>
</table>

(a) Insert any 2 records.
(b) Display all the records of Movie table.
(c) Display Title, Stars and Price of all the movies.
(d) Display Title, Type of all the movies whose quantity is more than 5.
(e) Display records of all the movies who are having Rating = "PG and Type = "Comedy".
(f) Display records of all the movies who are having Type = "Scientific" or quantity = 7.
(g) Display all movies sorted by QTY in descending order.
(h) Display all details of movies with title—Splash, Cocoon, Crocodile.
(i) Display a list of all movies with Price over 20 sorted by Price.
(j) Display the names of Stars whose name contains A as first letter and E as third letter.
(k) Display title and type of those movies who don’t have their Price in the range of 39.95 to 59.95.