Class 11   Time : 1 hr.
9-8-2016   Second Unit Test (First Term) in INFORMATICS PRACTICE   M. Marks : 20

1) The Pincode column of table 'Post' is given below-   [2]
            Pincode
            110011
            120012
            300048
            281001
    Write output of the commands:-
    i.   SELECT Pincode from Post where Pincode LIKE " %2" ;
    ii.   SELECT Pincode from Post where Pincode LIKE " _0%" ;

2)   A table "Animals" in a database has 8 columns and 10 records. What is the degree and
        cardinality of this table? Also write degree and cardinality after adding 2 columns and
        deleting 3 records?   [2]

3)   Write create table command for the table VOTER given below: [1]
                            Table : VOTER   .
            Column Name   Data type   Size   ,
            V_id   BIGINT   8
            Vname   VARCHAR   25
            Age   INT   3
            Security   float   10,2

4)   Consider a table Loan_Accounts with the following records: [10]

Table: Loan_Accounts

AccNo	Cust_Name	Loan_Amount	Instalments	Int_Rate	Start_Date
1	Sonu Gupta	300000	36	12.00	19-07-2009
2	Arun Sharma	500000	48	10.00	22-03-2008
3	Deepa Jain	300000	36	NULL	08-03-2007
4	Rohan Yadav	800000	60	10.00	06-12-2008
5	Ekta Sinha	200000	36	12.50	03-01-2010
6	Prudhi Sharma	700000	60	12.50	05-06-2008
7	Vinod Dhall	500000	48	NULL	05-03-2008

   Answer the following questions:

   i)   Display the details of all the loans whose rate of interest is not entered.
   ii)   Display the Cust_Name and Loan_Amount for all the loans which do not have number of
         instalments 36.
   iii) Display the Cust_Name and Loan_Amount for all the loans for which the loan amount is
         less than 500000 or int_rate is more than 12.
   iv)   Display the details of all the loans whose Loan_Amount is in the range 400000 to
         500000.

v) Display the Cust_Name and Loan_Amount for all the loans for which the number of instalments are 24, 36, or 48. (Using IN operator)

vi) Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name contains **'ru'** .

vii) Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name contains 'a' as the second last character.

viii) Display the details of all the loans in the ascending order of their Loan_Amount and descending order of their Start_Date.

ix) Increase the interest rate by 0.5 for all the loans for which the loan amount is more than 400000.

x) Delete the records of all the loans of 'Deepa Jain'

5. Difference between (write any two points of each) : [3]
   a. IN and IS operators
   b. Delete and update command
   c. Attribute and Tuple

6. Write output of the queries given below based on table JOB :- [2]

Job_ID	Name	JoinDate	Salary
101	Albin	1980-04-17	19000.00
102	Jacob	1990-05-27	15000.00
103	Aryan		14000.00
104	Seema	2011-11-25	19900.00

i) Select Name from Job where name like 'A%' and job_ID not IN (101,104) ;

ii) Select Job_ID,Name from Job where JoinDate is Not NULL and salary>19000.00;

-x-x-x-x-x-