Roll Number		

INDIAN SCHOOL MUSCAT
FINAL TERM EXAMINATION

INFORMATICS PRACTICES

CLASS: XII   Sub. Code: 065   Time Allotted: 3 Hrs

26.11.2018   Max. Marks: 70

GENERAL INSTRUCTIONS:
1. All the Questions are compulsory.
2. Read the Question Carefully before writing the answer.

1. (a)   What is the use of Switch?   1

   (b)   Name the device which is used to amplify the signal?   1

   (c)   Define Unicode. Write any to scripts included in Unicode.   2

   (d)   How Bus topology is different from Ring topology? Explain.   2

   (e)   Define the following: 2
         (i) LINUX   (ii) MOZILA

   (f)   How Proprietary software is different from Open Source software . Write   2
         any one advantage of open source software.

2. (a)   Explain all the data types which is used to store the numeric values.   2

   (b)   How List Box is different from Combo Box? Explain. OR write any two   2

         common methods of CheckBox and Radio Button.

   (c)   Write a Java Code that takes the cost of pencil from text filed 1 and number

         of pencil from textfield2 and calculates the amount as cost * number of   4

         pencils to be displayed in jtextfield 3 and 20 % service tax out of total

         amount in jtext filed4.

                                    OR
         Explain any three differences between if and switch…case.

   (d)   Predict the output   2
         int x=10;
         int y=25;
         Int z= x++ + ++ y;
         System.out.print(z);
                        OR

Explain conditional Operator with and example.

3. (a) Write any two advantages of MySql. 2

(b) Mr. Santhosh is not understanding between Equi Join and Natural Join, help him about Equi join and Natural Join with an Example. 2

OR

How Cross Join is different from Equi Join? Explain with an Example.

(c) While creating table EMP124(Fields: empno,ename,deptno) Mr.Rajesh forgot to add the primary key to the table. Now he wants to add the primary key to the table. Write the command to add the primary to the table EMP124. 2

(d) What is the difference between Cardinality and Degree? Explain with an example. 2

OR

How Single row function is different from multi row functions? Explain with an example.

(e) Write the difference between Char and Varchar datatype with an example. 2

OR

How Drop command is different from Delete command? Explain with an example.

4. (a) How Entry Level loop is different from Exit level Loop? Explain with an Example. 2

OR

Write a Program to accept any number from the user and print the multiplication table based on the accepted number.

(b) Define Fall through with a proper example. 2

OR

What is the use of default and break statement in switch…case? Explain.

(c) What is the significance of a button group? Explain with an example. 2

(d) Find the value of i and y : 2
```
int y;
for(int i=2;i<=5;i++)
{
y=i++;
++y;
}
```

OR   convert the above code into do..while

(e)   Given a string object namely total, having value as "2135" stored in it. What   2
will be the result of the following:
JOptionPane.showMessageDialog(null,""+(Integer.toString(total.length())+
Integer.parseInt(total)));

(g)   Mr. Sanjey is a programmer in M&M Fashions. He created the GUI in
Netbeans.

Mode of Payment	Discount
Cash	10%

The Store accepts payments in 3 modes- Cheque, cash and credit cards. The
discount given as per mode of payment is as follows.

Cheque	8%
Credit Card	4%

1

2

If the customer is a special customer and the Bill Amount is more than 12000 then the customer gets an additional discount 3% on Bill Amount.

(i) Write the code to make the text fields Customer Name (jTextField1) and Bill amount (jTextField2) disable.

2

(ii) When "Calc Discount" Button is clicked the discount button the discount should be calculated as per the given criteria and it should be displayed in the Discount TextField(jTextField3).

(iii) When "Calc Net " button is clicked the net amount should be calculated and it should be displayed in the net amount textfield(jTextField4).

5 (a) Write any two commands under DDL and DML category.

1

(b) Mohan is not clear about the difference between the following two statements:

  (i) Select (10+2)*2 from dual;

2

  (ii) Select (10+2)*2 from Marks;

  OR

  (i) Select Distinct(deptno) from emp;

  (ii) Select Count (Distinct(deptno)) from emp;

Help him understand the difference between these two statements.

(c) Consider the following table named as "EMPL124" with details. Write Mysql command for(i) to (iv) and output for(v) to (vii).

Table : EMPL124

Tno	T_name	T_address	Basic	Department
T10	Mohan	1/65, Lakshmi Nagar	43800	Computer
T13	Dinesh	A-24, Triveni Appt	41700	Computer

T18	Ramkrishana	A-41, Friends Appt	30600	English
T14	Lokesh Rathore	C-11,Malviya Nagar	27200	English
T17	Suresh Kumar	45,Doctors Colony	44200	Hindi
T16	Rakesh Sharma	240,Anna Nagar	24500	Hindi
T15	Lakshmi	34, Ramesh Nagar	34500	Hindi
T11	Vivek Rawat	R-42, Kirti Nagar	32300	Social Science

(i) To display all the teachers name and their salary who are all in Social department and Salary greater than 30000.

(ii) Add a new column Commission with integer size of 5.

(iii) To change the basic salary as 35000 who are all in Hindi department.

(iv) To display all the teachers name whose name contains the character 'i' as second alphabet.

(v) Select department, count(*) from empl124 group by department having count(*) >=2;

(vi) Select T_name , Basic from empl124 where basic>30000;

(vii) Select distinct(department) from empl124;

7

6 (a) Write a MySql command to create a table 'Game'

2

Column Name	Data Type(size)	Constraint
Game_Id	Integer(4)	Primary Key
Game_Type	Varchar(10)	Not Null
Game_Name	Varchar(20)	Unique Key
Prize_Money	Decimal(7,2)	

OR

Explain ACID Property.

(b) Consider the tables MOBILE_DATA and DEALER_DETAILS
Dealer_details

Deal_no	SetCode	City
D56	M3423	Delhi
D43	S1234	Mumbai
D37	N1212	Chennai
D32	N1212	Mumbai
D12	S1234	Chennai

MOBILE_DATA

SetCode	Setname	OS	Cost
S1234	Samsung Galaxy 4	Android	34000
M3423	Micromax Canvas	Android	31000
N1212	Nokia Lumia 920	Windows	28000

(i) To Display set name, operating system from MOBILE_DATA table and the corresponding Dealer Number and city from Dealers Table.   2

OR

Write a Query to display all the set name,Operating System and corresponding dealer number from Chennai City.

(ii) To display how many dealers are there in each SETCODE.

OR

How Group by clause is useful in Mysql? Explain any 2 Group functions.   2

(iii) To display the dealer details for each dealer who are all NOT selling Android handsets.   2

(c) Find the output of the following: 1
    (i)   Select round(1348.56,-2)+truncate(3320.45,0);
    (ii)   Select mod(dayofmonth("2014-02-15"),2);
(d) Write the Difference between COMMIT and ROLLBACK.   1

7 (a)   Rahul works for a school. Help him to choose most appropriate controls from List Box, Combo Box, Text Field, Text Area, Radio Button, Check Box, Label and Command Button for the following entries:

2

SNo	Function
1	Select Stream
2	Select Subjects
3	Submit the details
4	To Enter the Admission Number

   (b)   Write any two importance of e-Learning Sites.   1

   (c)   Define Front End and Back End with an example.   2

End of the Question Paper