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SET- A



INDIAN SCHOOL MUSCAT

FINAL EXAMINATION

INFORMATICS PRACTICES

CLASS: XII

Sub.Code: 065

Time Allotted: 3Hrs.

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? used to filter and data and send it to proper node in the network. 1
- (b) Name the device which is used to amplify the signal? repeater 1
- (c) Explanation Unicode. Tamil, Teleugu, Malayalam 1+1=2 marks 2
- (d) Explanation - 1+1= 2 marks 2
- (e) Define the following: 2
 - (i) LINUX- 1 mark (ii) MOZILA- free web browser - 1mark
- (f) Explanation of Proprietary software and Open Source software- 1mark .any one advantage of open source software 1 mark. 2
2. (a) Explain all the data types which is used to store the numeric values. 2

Explanation integer, float, double, long, byte
- (b) Explanation of List Box and Combo Box? Explain. OR write any two common methods of CheckBox and Radio Button. IsSelected(), getSelected() 2
- (c) Accepting value and proper calculation 2+2 =4 marks 4

OR all the three differences 2+1+1=4 marks
- (d) Predict the output 2

36

OR

Explanation ? :
3. (a) 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
Combine tow tables with the use of common field and equality sign
Combine two table with the use of single identical column
OR
How Cross Join is different from Equi Join? Explain with an Example.
Cross Join : simply matches all the rows of the first table with all the rows of the second table. Combine tow tables with the use of common field and equality sign
Example 1+1 =2 marks
- (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. Using Alter command with proper syntax 2
- (d) What is the difference between Cardinality and Degree ? Explain with an example 2
No of rows and No of columns example 1+1 =2 marks
OR
Explanation of Single row function and multi row functions 1+1 = 2 marks
Explain with an example
- (e) Write the difference between Char and Varchar datatype with an example 2
Any two differences
OR
How Drop command is different from Delete command? Explain with an example. Any two differences with an example
4. (a) Explanation of Entry Level loop and 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. Using proper syntax and accepting value 1+1=2 marks
- (b) Define Fall through- if there is no break inbetween two cases in switch with an proper example.1 +1 =2 mark OR 2
What is the use of default and break statement in switch...case? Explain.
Used to stop the current process and move the control to next executable statement. 1+1=2 marks
- (c) What is the significance of a button group? Explain with an example. It allow the user to choose only one button during the program execution.1 Mark Example - 1mark 2

- (d) Find the value of i and y :

5 6

OR proper syntax of do..while

- (e) Given a string object namely total, having value as "2135" stored in it. What will be the result of the following:

JOptionPane.showMessageDialog(null,""+(Integer.toString(total.length))+Integer.parseInt(total));

2139

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

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

Cash	10%
Cheque	8%
Credit Card	4%

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. USING setEnabled(false);

(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). Using proper declaration and correct syntax – 2 marks

1

2

(iii) When “Calc Net “ button is clicked the net amount should be calculated and it should be displayed in the net amount textfield(jTextField4). Accepting value and calculation 2 marks

2

5 (a) DDL- alter, create and DML- insert, update

1

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

(i) Select (10+2)*2 from dual; 24 one time

2

(ii) Select (10+2)*2 from Marks; 24 will print based on number of records

OR

(i) Select Distinct(deptno) from emp; display only unique records

(ii) Select Count (Distinct(deptno)) from emp; display the no of unique departments

Help him understand the difference between the 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. Using select command
- (ii) Add a new column Commission with integer size of 5. Using alter command
- (iii) To change the basic salary as 35000 who are all in Hindi department. Using update command
- (iv) To display all the teachers name whose name contains the character 'i' as second alphabet. Using select statement with like
- (v) Select department, count(*) from empl124 group by department having count(*) >=2; hindi, computer, english
- (vi) Select T_name , Basic from empl124 where basic>30000;

Correct out put

(vii) Select distinct(department) from empl124;

Hindi , computer, English, social science

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

Using proper syntax of Create command

OR

2

Explanation 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. using select command with proper join condition

2

OR

Write a Query to display all the set name, Operating System and corresponding dealer number from Chennai City. using select command with proper join condition

2

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

OR

Explanation Group by and 2 Group functions sum(), max()

- (iii) To display the dealer details for each dealer who are all NOT selling Android handsets. Using select command and using not

2

- (c) Find the output of the following:

- (i) Select round(1348.56,-2)+truncate(3320.45,0); 1300+3320=4620
(ii) Select mod(dayofmonth("2014-02-15"),2); 1

1

- (d) Write the Difference between COMMIT- save the changes permanent and ROLLBACK- undo the above changes 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 - list box/radio button
2	Select Subjects -check box
3	Submit the details - button
4	To Enter the Admission Number- text field

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

- (c) Explanation Front End and Back End mysql, netbeans 2

*****End of the Paper*****