

GUESS PAPER -2012
CLASS : XII (INFORMATICS PRACTICES 065)

Time Allowed : 3 Hours

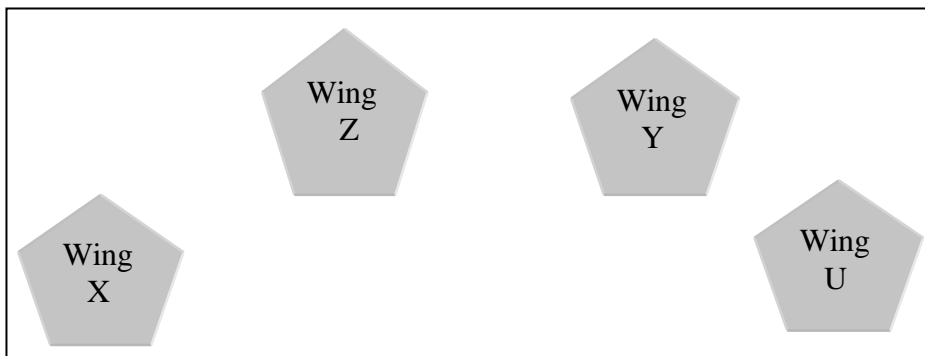
Maximum Marks : 70

General Instructions :

- i) All questions are compulsory.
- ii) Question Paper is divided in to 3 Sections(A,B and C)
- iii) Section –“A” consist of 30 Marks
- iv) Section-“B” consist of 15 Marks
- v) Section –“C “ consist of 25 Marks.
- vi) Attempt all the parts of section together

SECTION –“A”

- Q.1. (a) Which Protocol is used for transferring the files to and from a remote host? 1
- (b)What does the last three byte of MAC address indicate? 1
- (c)Name the organization which is dedicated to cause the promoting open Source Software. 1
- (d)Differentiate between a Hub and a Switch? 2
- (e) What do you mean by topology? Write the name of two types of topologies. 2
- (f) The Aditya Birla Telcom has set up its new branch at Srinagar for its office and web based activities. It has 4 wings of buildings as shown in the diagram:



(2)

Center to center distance between various Block

Wing X to Wing Z	50m
Wing Z to Wing Y	70m
Wing Y to Wing X	125m
Wing Y to Wing U	80m
Wing X to Wing U	175m
Wing Z to Wing U	90m

Number of Computers:

Wing X	50
Wing Z	30
Wing Y	150
Wing U	15

(i) Suggest the most suitable place (i.e. wing) to house the server of this organization with suitable reason, with justification. 1

(ii) Suggest the placement of the following device with justification: 1

(a) Repeater (b) Hub/Switch

(iii) The organization is planning to link its head office situated in Delhi with the office at Srinagar. Suggest an economic way to connect it; the company is ready to compromise on the speed of connectivity. Justify your answer. 1

Q.2. (a) What is wrong with following code: 1

```
int n = 2
Switch ( n)
{
Case 1:
a1 = 10;
a2 = 20;
break;
```

Case 2:

```
a3 = 30;
break;
a4 = 40;
}
```

(b) What is the purpose of continue statement in loop? 1

(c) Why is it necessary to put break statement after every case in a switch statement? 1

(d) What are the values we can give with type attribute in tag 1

(e) Mention the purpose of each of the following HTML tags 2

, <HR>, ,

(f) How many times the following loops be executed: 2

LOOP-1

```
int a=5,b=25;
while (a >=b)
{
a = a + 10;
}
```

LOOP-2

```
int a=5,b =25;
while (a<=b)
{
a=a+10
}
```

(g) Write a function in Java that accepts two numbers as Parameters and returns their product. 2

Q.3. (a) Which command is used in MySQL to discard the changes in database? 1

(b) While creating table 'student' sumit forgot to set the Primary Key for the table. Give the statement which he should write to set the Colum 'Rno' as Primary key 1

(c) What is the significance of Order By clause? 1

(d) Which function in MySQL removes leading as well as trailing spaces from the character string? 1

(4)

(e) What are Group functions? Name any two Group functions used in MySQL. 2

(f) What will be the output of the following SQL statements: 2

(i) Select MID('INFORMATICS PRATICES', 5,9);

(ii) Select Left('MANMOHAN SINGH',3);

(g) Explain COMMIT and ROLLBACK with example 2

SECTION - "B"

Q.4. (a) What is Inheritance? 1

(b) What will be the value of n after executing the following code: 1

```
int n = 0;
```

```
if (6 > 7 || 5 > 4)
```

```
{  
    n = 5;  
}
```

```
else
```

```
{  
    n = 7 ;  
}
```

(c) What will be the contents of JTextArea1 after executing the following statement? 1

```
JTextArea1.setText("Hello \n How are You \t Rohit?");
```

(d) Rewrite the following code using while loop 2

```
int sum = 0; j = 5;
```

```
for (i=0;i<=4; i++)
```

```
{  
    sum = sum +(i+j-1);  
}
```

(5)

(e) Identify the error(s) in the following code fragment:

2

```
int vowels = 0;
switch (ch)
{
    case 'a' :
    case 'A' :
    case 'e' :
    case 'i' :
    case 'I' :
    case 'o' :
    case 'O' :
    case 'u' :
    case 'U' : vowels++;
}
```

(f) What will be the contents of jTextField1 and jTextField2 after executing the following code:

2

```
jTextField1.setText(Math.pow(3,4)+ "");
jTextField2.setText(Math.round(23.172)+ "");
```

(g) DOSA EXPRESS has computerized its billing for various food items. A discount of 15% is given on the Bill amount if the Bill amount is more than Rs 120.

DOSA EXPRESS		
<input type="checkbox"/> Masala Dosa(Rs.65)	<input type="checkbox"/> Onion Dosa(Rs.75)	
<input type="checkbox"/> Sambhar Vada(Rs.45)	<input type="checkbox"/> Idli Sambhar (Rs.55)	
Bill Amount	Discount	Net Amount
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Clear"/>	<input type="button" value="Calculate"/>	<input type="button" value="Exit"/>

The form details of the above form are given in the following table:

Controls	Controls Name	Description
Frame	jFrame	The Form Object
Check Box	ChkMasala ChkOnion Chk Sambhar chkIdli	To select Masala Dosa To select Onion Dosa To select Sambhar Vada To select Idli Sambhar
Text field	billamtTF discTF netamtTF	To store Calculate bill amount To store Calculate discount To store Net Amount
Button	clrBTN calcBTN closeBTN	To clear the text boxes To calculate the bill amount,Discount and net amount To close the application

- (i) Write code to do the clear all the Check boxes and text fields when clear button is clicked. 2
- (ii) Write code for the calculate button to calculate the Bill amount , Discount and Net Amount. 3
- (iii) Close the application when Exit button is clicked. 1

SECTION -"C"

- Q.5. (a) What is the difference between DROP TABLE and DELETE commands? 2
- (b) What is the role of database server in database management system? 2
- (c) Consider the table Salesman given below. Write the commands in SQL for (i) to (iv) and output for (v) to (viii). 6

TABLE: SALESMAN

(7)

S.No	Salesman	Sex	City	DOJ	Sal	Comm
1	Arun	M	Delhi	2010-02-14	4000	NULL
2	Raj Kumar	M	Faridabad	2009-03-15	2000	3000
3	Rakesh	M	Delhi	2010-04-17	5000	2000
4	Kiran	F	Gurgaon	2010-07-11	3000	3000
5	Madhur	M	Faridabad	2010-12-19	2500	3500
6	Chaman	M	Delhi	2009-10-31	4500	2000
7	Anu	F	Gurgaon	2010-01-21	6000	NULL

- (i) To display all information of those salesmen who live in delhi in ascending order of name
- (ii) To display information of Male salesmen who joined before 01-01-2010
- (iii) To display salesmen name,city,salary and commission, of those salesmen whose commission is more then salary.
- (iv) Count the numbers of female salesmen
- (v) SELECT AVG(COMM)FROM SALESMEN;
- (vi) SELECT CITY,MAX(SAL)FROM SALESMEN GROUP BY CITY;
- (vii) SELECT SALESMEN,SAL FROM SALESMEN WHERE SALESMEN LIKE 'A%';
- (viii) SELECT COUNT(*) FROM SALESMEN WHERE COMM IS NULL;

Q.6. (a) Explain the purpose of DDL and DML commands used in SQL. 2

(b)Write an SQL command to create a table Library with following structure:2

Table :Library

Filed	Type	Constraint
Book_no	Integer(4)	Primary key
Title	Varchar(40)	Not Null

(8)

Author	Varchar(30)	
Publisher	Varchar(30)	
Pages	Integer(4)	
Date_of_Pub	Date	

(c) Consider the tables CUSTOMER and BILL given below:

6

CUSTOMER

C_ID	CNAME	ADDRESS
1	Javed	123,Sec-1
2	Aksshay	36L,Model Town
3	Rohit	26,Gohana Stand

BILL

BILL_No	BILL_Amt	Cust_ID
1	15000	2
2	18000	1
3	20000	2
4	10000	3
5	12000	1

With reference to these tables, write commands in SQL for (i) and (ii) and output for (iii) given below:

(i) Display the Bill No, Bill Amount and Customer name for each bill.

(ii) Display the Bill No and Customer name of all bills whose customer's name start with the letter "A".

(iii) Select Bill_No, Cname from bill, customer where Customer.C_id=Bill.Cust_Id and bill_amt>15000;

(9)

- Q.7. (a) Write two major websites for E-learning 1
(b) How has our society benefited from E-governance? Write 2 points 2
(c) What control will you suggest for the following inputs: 2

S.No.	Control Used to	Control
1	One out of many choices	
2	Typed text(Single Line)	
3	Typed text which should remain hidden	
4	Multiple items from a group of names	

PAPER SUBMIT BY:

GAURAV BHATIA

E-MAIL: gauravbhatia1@rediffmail.com

Mob.No. 09719025585