Guess Paper 2015
CLASS-XII
INFORMATICS PRACTICES (065)

TIME:3 Hrs   **M.M.70**

General Instructions:

1. *All questions are compulsory.*
2. *Answer the question paper after carefully reading the text*
3. *write down the Serial Number of the question before attempting it*

1.(a) Which protocol is used to translate domain names to associated IP address?   1

(b)Arun has Hub in his office to connect all the computers but speed is slow due to collision suggest any other device for this purpose so the speed can increased.   1

(c) Write the name of computer which is takes the services from other computer.   1

(d) Write the name used to refer the difference between the highest and lowest frequencies of a transmission channel.   1

(e) Why do we use Repeater in a network?   2

(f)Write any two threats to Network Security.   2

(g)Distinguish between True type font and Open type fonts.   2

2(a)   What does the system.exit(0)does when it is attached with a jButton control? 1

(b)Ms.Deepali has developed a java application to get computerized result of the students of her school. She enters the marks in the TextFields and corresponding percentage is calculated. But she forgets to write the command for conversion from string to Decimal format. Write the command.   1

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(c)Write the HTML code for the following page: 2

RollNo.	Name	Class
1	Divyam	X
2	Priyanshi	XII

(d) What will be the values of m and n after the following java code is
executed :   2

```
int m = 10, n = 20;
if( m<n)
m = n+1;
else
m+=2;
m++;
n++;
```

(e)Write any two differences between <HR> tag and <H1> tag in HTML?   2

(f)Write java code that gets marks in two subjects from textfields m1TF and m2TF and
display the higher marks in a textfield named highTF.   2

3(a) Sachin decides to delete Age column from aMySQL table (Student) after inserting
some data into the table Write the command to delete that particular column in student
table.   2

(b) Avya, a student of class XII has created a table "PARTICIPANTS(P_No,
PName,City,Class)" She wants to find out the names of participants who are not from
Delhi, Kanpur,Lucknow and Meerut.She tried the following:
SELECT PName FROM PARTICIPANTS WHERE CITY HAS NOT Delhi,
Kanpur,Lucknow,Meerut; Find out the errors and rewrite the above query after
correction.   2

(c)Write a query statement to display 8 characters of a string "MySql Language" starting from the 7th character.   2

(d)Hariom has created a table STOCK in a database. One of the columns in the table is City which keyword is used to display only unique City names from table?   1

(e) What is the cardinality and Degree in MySQL.   1

(f)How a delete command different from drop command?   1

(g)Define Candidate Key.   1

4(a)(i) Define inheritance with reference to object oriented programming.   1

(ii)Write any one difference between an abstract class and a simple class.   1

(b)What will be displayed in jTextField1 after executing the following statement: 1

```
String  str  = " " ;
for (int i= 1 ; I <=5; i++)
str = str +I;
jTextField1.setText(str);
```

(c) What will be displayed in jTextArea1 after executing the following statement   1

```
jTextField1.setText("Unity\n  In\n  Diversity\t    India")
```

(d)What will be displayed in jTextField1 and jTextFiled2 after the following code is executed: 2

```
int  a  =12, b= 20;
jTextField1.setText(a + b + " ");
jTextField2.setText(" "+a + b );
```

(e) The following code has some error(s).Rewrite the correct code underlining all the correction made: 2

```
int  I =2; j = 5;
while j> I
{ jTextField1.getText(" j is greater");
     j--; ++ i ;}
```
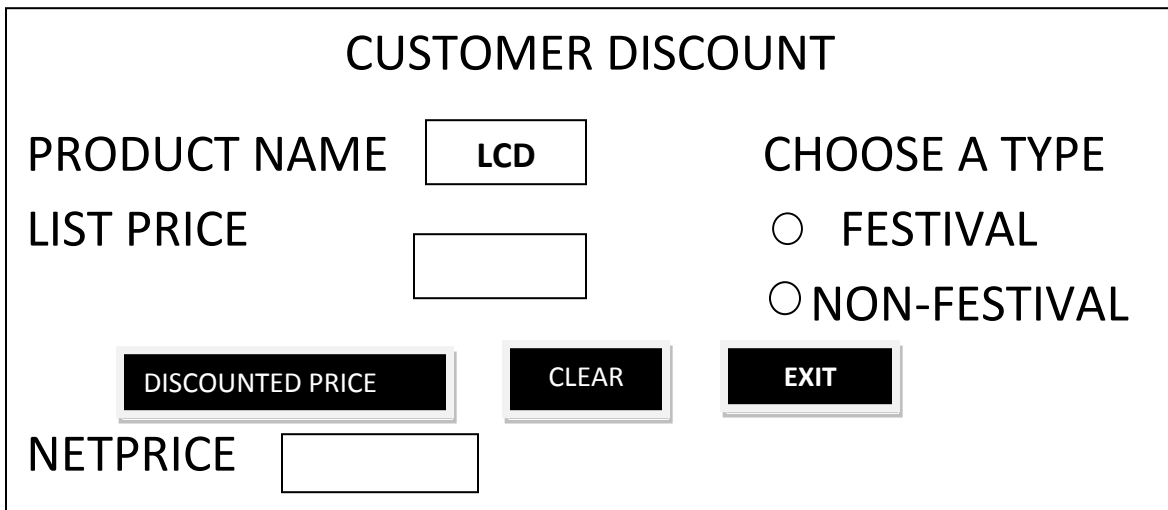
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Joptionpane.showmessageDialog("Hello");

(f) Rewrite the following code using if-else: 2

```
boolean flag = Boolean.parseBoolean(bo1TF.getText( ) ;
switch( flag)
    {
        case true : system.out.println(  "true"  );
    break;
    case false : system.out.println(  "false"  );
    }
```

(g) Mohan is a programmer at R.R. Brothers. He created the following GUI in NetBeans.

CUSTOMER DISCOUNT

PRODUCT NAME   LCD   CHOOSE A TYPE

LIST PRICE   ○   FESTIVAL

                                                       ○ NON-FESTIVAL

DISCOUNTED PRICE   CLEAR   EXIT

NETPRICE

Help him to write code in java for the following:

(i) Write a java code for the click event on Discounted Price to calculate the 10 % discount on non-festival purchase. And additional 7 % on Festival purchase. 2

(ii) Write the code for clear button to clear all the text boxes. 2

(iii) Write the code for exit button. 1

5.(a) what is the purpose of ALTER TABLE command ?How is it different from UPDATE command? 2

(b)Table furniture has 7 rows and 10 columns .What is the cardinality and degree of this table? 1

(c)Answer the following on the basis of following relation EMP given: 7

ENO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPNO
735	Sunil Sharma	Manager	790	23/02/13	40000	3500	12
744	GirishGupta	Manager	765	12/02/13	40000		12
752	Suman Nath	Manager	725	06/06/14	34000	4000	12
778	Rita Sharma	Accountant	765	13/12/13	35000	2500	13
785	Sajan Kumar	Clerk	752	09/03/14	12000		12
790	Seema Rani	Analyst	790	02/10/13	35000	3500	13

(i)To convert the designation into lower case.

(ii) To list the occurrence of character "a" in the name of the employees.

(iii)Display first three characters of the field Job.

(iv) To display the year of joining from there date of joining.

(v) To display the name of the employee and no of characters in the name.

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(vi)   Explain the two whildcard character_ and % used with the like clause.

6(a)Create table customer as per following table Instance chart.   2

Column_Name	Datatype(Size)	Constraint
Cust_id	Integer(4)	Primary Key
Cust_name	Varchar(20)	Not Null
Cust_add	Varchar(30)	
Pincode	Integer(6)	
Cust_phone	Varchar(10)	

(b) In the database there are two tables ''Students'' and ''Stream'' as below:

Table :Student

Sid	Sname	Age	StrId
1	Roopam	10	1
2	John	12	1
3	Tarun	14	2
4	Prakash	11	3
5	Arun	10	2

Table: Stream

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StrId	Name
1	Eng.
2	Com.
3	Sci.
4	Hum.

(i) What is the cardinality and Degree of both the tables?   1

(ii)   In both the tables which tables has the foreign key and write the foreign key name.1

(c)Consider the tables given below:

Table :Stock

Itcode	Itname	Dcode	Qty	Unitpr	Stkdate
444	Drawing Copy	101	10	21	31/07/2009
445	Sharpener	102	25	13	21/04/2010
450	Eraser	101	40	6	11/12/2010
452	GelPen	103	80	10	03/01/2010
457	Geometry Box	101	65	65	15/11/2009
467	Parker Pen	102	40	109	27/10/2009
469	Office File	103	27	34	13/09/2010

Table : Dealers

Dcode	Dname	Location
101	New Book Center	Abu Lane, Meerut

| 102 | Idel Book Depot | Sadar, Meerut |
| 103 | Bhagwan Store | Nai Road, Meerut |

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

  (i)   To display the amount that has been spent to purchase office file &sharpener .2

  (ii)   To display all the items of New Book Center.   2

  (iii) SELECT DCODE,COUNT(QTY),AVG(UNITPR) FROM STOCK GROUP BY
         DCODE;   2

7(a) How does e-Business improve customer satisfaction. Write one point.   1

(b) How has our society benefited from e-Governance ?Write any 2 points.   2

(c) Ram Kishor is creating a form for his company. Help him to chose most a appropriate controls from Listbox, Combo Box, Label, Text Field,Check Box, Text Area, Radio Button, and Command Button for the following entries: 2

S.No	Control used to:	Control
1	Enter Last Name	
2	Enter Gender	
3	Choose City from a list of cities	
4	Submit Form	

Paper Submitted by :Gaurav Bhatia

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