Sample Paper
Informatics Practices-065
(2013-2014)

Subject- **Informatics Practices** Time- 3hrs
Max^m Marks-70

Answer all the questions,

1	(a)	Mr Hitesh Patel is trying to send a file to his friend Hina from his mobile using Bluetooth. Identify the type of Network formed between them.	1.
	(b)	Define the term Modem and Repeater?	1
	(c)	In Kamla public School all the computer in different department are connected to the main computer/Server kept in the office. Identify what type of topology is used.	1
	(d)	What are different parts of Domain name?	1
	(e)	Define the term Snooping and Eavesdropping?	2
	(f)	Expand the term :	2
	(i)	OSI (ii) VISA (iii) GPL (iii) LAMP	
2	(a)	What is an use of the following tags:	2

    i.   `<OL>`

    ii.   `<A Href……..`

    iii.   `<HR>`

    iv.   `<Img Src…`

	(b)	Name any two attributes of body tag?	1
	(c)	What is the difference between container and empty tags in HTML?	1
	(d)	Write any four features of XML?	2
	(e)	What is the difference between a List Box and Combo Box?	1
	(f)	What will be the content of JTextField when following code will execute:	1

    int num1=1011;

    int num2=2091;

    JTextField.setText("")+num1+num2);

	(g)	What is an use of getPassword() and append() method?	2
3	(a)	Write the sample code for Display Sum of Digits to Display Sum of digits entered in the text field.	2
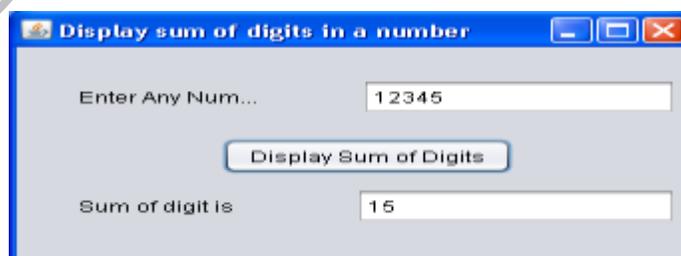
	(b)	Write the program using if…..else which is given below using switch case:	2

    int num1=20;

    int num2=30;

    int i=1;

    switch(i)

        {

        case   1:   System.out.println(" Sum of two number is"+(num1+num2));
                    break;

```
case    2:      System.out.println(" Difference of two number is"+(num1-num2));
                break;
case    3:      System.out.println(" Product of two number is"+(num1*num2));
                break;
case    4:      System.out.println(" Divisor of two number is"+(num1/num2));
                break;
default  :      System.out.println("Invalid choice");
                break;
}
```

(c) Declare a class Television with following specification: **1**

Data member	Data type
model	int
cName	String
price	double

 (i) Declare a default Constructor to assign default value to all variables.   **1**

(ii) Declare a method calculateDiscount() as per condition given below: **1**

   (a) if price is less than Rs 10000 then discount is 1000.

   (b) if Price is greater than 10000 then discount is 2000.

(iii) Declare a method show() to display all the records.   **1**

(iv) Execute all the method using an object of Television class in the main method.   **1**

(d) What do you mean by access specifier? What are its different types?   **1**

4   **(a)** What will be an output of the following: **1**

```
int r,x1=50,y=10;
r=(x1>45)?x1:y;
System.out.println(r);
```

(b) Define the term Buttongroup, mnemonic and tooltiptext?   **3**

(c) Write the code for show button to display item in textfield which is selected in   **2**
Combo Box?
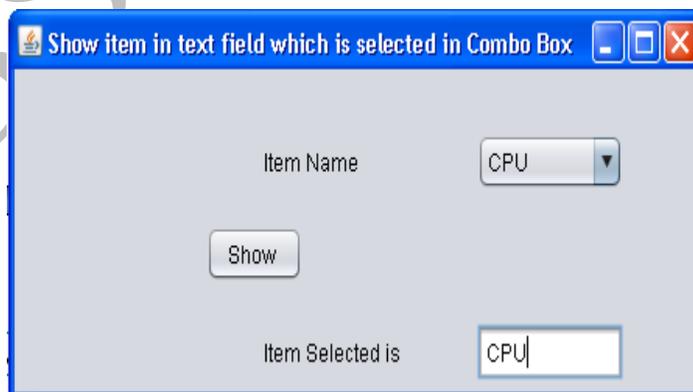
5   **(a)** What do you mean by table level Constraint and column level constraint?   **1**

(b) What is the difference between Primary Key and unique key?   **1**

(c) A table consumer contains 5 Rows and 6 Columns. Mr Kumar inserted 7 rows and   **2**
added 3 columns more in the consumer table. Now what is its Cardinality and Degree?

(d) What will be an output of the following SQL queries:

  i. SELECT DAYOFMONTH(CURDATE());   **1**

	ii.	SELECT ROUND(453.345,2);	1/2
	iii.	SELECT LENGTH(INSTR(SUBSTRING('CORPORATE WORLD', 11,5),LD));	1
	iv.	SELECT MOD(657,9);	1/2
	v.	SELECT SUBSTR("INTERNATIONAL",LENGTH(CONCAT("MARKET","ING")),3);	2
(e)		Write query to join two tables Item and Sales based upon the field Item_No?	2
(f)		What do you mean by Relation?	1
(g)		What is the difference between DROP and DELETE command in MySQL?	1
(h)		Write a Query to display Current Date?	1

6   **(a)**   A table Flight contains 5 rows and 3 columns and a table Destination contains 4   **2**
Rows and 9 Columns. What will be total number of rows and columns in Cartesian
product of two tables?

    (b)   Define the term ROLLBACK and COMMIT?   **1**

    (c)   Expand the term ACID?(Marks will be given if complete expansion will be correct)   **2**

    (d)   What will be an output of the following query? Define in words.   **2**

      (i)   Select CName from Customer where CName like "_ _ _ esh";

      (ii)   Select DName from Doctors where DName like "M%";

    (e)   Write SQL statement to create the table Doctor with the constraint specified?   **3**

Column Name	DRID	DRNAME	FEES
Data type	Varchar	Varchar	Float
Size	5	30	9,2
Constraint	Primary Key	Unique	

    (f)   Write SQL statement to add a column Date_of_joining of data type DATE in the   **2**
above table.

    (g)   Write query in MySQL based upon the table Sales which is given below?

ITEM	Sale_Price	Commission rates
LCD	30000	15
LED	22000	10
MOBILE	12000	7
TV	5001	3

    (h)   **(i)**   Increase the SALE_PRICE of LCD by 2000 .   **2**

         (ii)   Display the Maximum SALE_PRICE of Item.   **1**

         (iii)   Delete the record of MOBILE.   **2**

7   **(a)**   Write the any two positive and negative impact of E-Governance?   **2**

    (b)   Write the name of any two uneditable Controls?   **1**

    (c)   Identify the type of controls used for the following: **2**

      i.   Select any one option from many option?

      ii.   To store address in multiple rows and columns?

      iii.   Display multiple items at a time?

      iv.   Edit an Item during run time in a list?