CBSE Class 11th Informatics Practices
Unit Test – I Set - A
Session: 2016 – 2017
Indraprastha INTERNATIONAL SCHOOL

General Instructions:

- This question paper contains 5 questions.
- Write answers neatly and legibly.
- All the questions are compulsory.
- Marks for each question are indicated against it.

1. **Name each of the following : (3)**
   a. **A device used to read objective type answer-sheets**
   b. **Collection of 1024 GB**
   c. **A program used to convert source code into object code line by line**
   d. **Any one GUI based operating system**
   e. **A window displays name of all java applications**
   f. **Language for JVM**

   Ans. a. OCR/OMR

   b. 1 TB

   c. INTERPRETOR

   d. WINDOWS,LINUX

   e. PROJECT WINDOW

   f. BYTECODE

2. **Answer each one of the following questions: (12)**
   a. **Give one example for each word processor and spreadsheet packages.**
   b. **Write the full form for OCR and DVD.**
   c. **Write any two advantages of using computers.**
   d. **Define any two advantages of using mouse over keyboard.**
   e. **Differentiate between int and float data type with suitable examples.**
   f. **What do you mean by top level controls? Name any two properties of jFrame.**

   Ans. a. Word, excel

b. Optical character reader,digital versatile disk

c. Speed, accuracy

d. Quick selection, shortcut menus , gui software

e. Int can hold without decimal values and float is for values with decimal

f. Control that can contain other controls in it. Any two properties

3. **Do as directed: (8)**

   a. **Find the error in following Java code and rewrite the corrected code:**

```
Int a,b,c;
a=Integer.parseInt(jTextField1.getText());
b = =10;
a+b=c;
System.out.print("addition"c);
```

   b. **Rewrite the following code using IF statement without effecting the output of the code:**

```
int x=10;
switch(x)
{
case 10:
System.out.print("X A1');
break;
case 20 :
System.out.print("X A2');
break;
case 30 :
System.out.print("X B1');
break;
case 40:
System.out.print("X B2');
break;
default : System.out.print("Wrong Class');
}
```

   c. **Find the output for the following code written in Java:**

```
int a,b;
```

a=11;

b=21

a+=4;

System.output.println("+((--b)+(a++));

System.output.println("+a+""+b);

d. **What will be the content of jTextArea after executing the following code?:**

int n=116;

n--;

if(n>115)

JTextField1.setText(Integer.toString(++n));

else

jTextField1.setText(Integer.toString(n--));

jTextarea1.append("Progressive\t Tutorials\n Vikas Puri"+"\t"+n);

Ans. a. int a,b,c;

a=Integer.parseInt(jTextField1.getText());

b =10;

c=a+b;

System.out.print("addition"+c);

b. int a=1;

if(a==1)

System.out.print("XI A1');

else if(a==2)

System.out.print("XI A2');

else if(a==3)

System.out.print("XI B1');

else if (a==4)

System.out.print("XI B2');

else

System.out.print("Wrong Class');

}

4. **Durga Stationery has computerized its billing system. The programmer has developed a GUI application in Netbeans as shown below:**

a. **What should be done so that only one of the radio button (Distributors, Retaler or Whole sellers) can be selected at a time. (1)**

b. **Calculate discount according to the condition given below: (2)**

   For Retailers-2% discount on amount calculated

   For Whole sellers-7% discount on amount calculated

   For distributors-10% discount on amount calculated

   Additional-3% discount will be given in Festive season.

   Calculate and display the net amount message box when calculate button is pressed.

c. **Clear all the text fields. Set retailer option as default. (1)**

d. **Close the application when Exit button is clicked. (1)**

   Ans. a. Button group

   b. Use of gettext, joptionpane, is selected, checkbox

   c. Use of setselected and clear

   d. Use of system.exit

5. **Write the Java code for any one of the following : (2)**

   a. **Write a program to check whether an entered year is a leap year or not.**

   b. **Write a program to enter month number and write month name using switch-case.**

      Ans. a. Use of % operator and if-else.

      b. Use of switch, case, break and default.