

CBSE Class 11th Informatics Practices (Theory) Unit Test-1 Set-C 2016-2017 **Indraprastha International School**

General Instructions:

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

1. Name each of the following: (3)

- a. A device used to display soft copy of the result
- b. Collection of 4 bits
- c. A program used to check and remove viruses
- d. Any one utility program
- e. A window displays name of all controls for a selected project
- f. Extension for java file

Ans. a. Monitor

- b. 1 nibble
- c. Antivirus
- d. WINDOWS,LINUX
- e. Editor/backup
- f. .java

2. Answer the following questions: (12)

- a. Give one example for each system software and utility software.
- b. Write the full form for MICR and TFT.
- c. Write any two limitations of using computers.
- d. Define any two advantages of using CDROM over Hard Disk.
- e. Differentiate between char and String data type with a suitable example.
- f. What do you mean by container controls? Name any two properties of Push button.
 - Ans. a. Name of the os, name of the antivirus
 - b. Megnatic ink character reader, thin film transistors





- c. Zero iq, power
- d. More space, portable
- e. Char single character, string more characters
- 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;
```

case 'a':

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

b. Rewrite the following code using Switch-case statement without effecting the output of the code:

```
char x;
if(x=='a')
System.out.print("Outstanding performance");
else if(x=='b')
System.out.print("Excellent");
else if(x=='c')
System.out.print("Can do better");
else if (x=='d')
System.out.print("Needs Improvement");
else
System.out.print("Wrong cod');}
Ans.
char x;
switch(x)
```



	System.out.print("Outstanding performance")	;		
	Break;			
	case 'b':			
	<pre>System.out.print("Excellent");</pre>			
	Break;			
	case 'c':			
	<pre>System.out.print("Can do better");</pre>			
	Break;			
	case 'd':			
	<pre>System.out.print("Needs Improvement");</pre>			
	Break;			
	Default:			
c.	Find the output for the following code write	ten in Java:		
	int a,b;			
	a=31;			
	b=41			
	a+=40;			
	System.output.println(""+((++b)+(a));			
	System.output.println(""+a+""+b);			
	Ans.			
113				
71		41		
d. What will be the content of jTextArea after executing the following code?				

d.

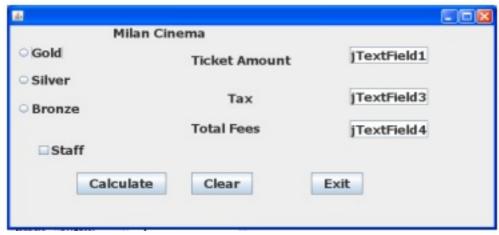
```
int n=600;
n--;
if(n>599)
JTextField1.setText(Integer.toString(++n));
else
j TextField 1. set Text (Integer. to String (n--));\\
j Textare a 1. append ("Indraprastha \t International\n School" + "\t" + n);
Ans.
```





Indraprastha	International	
School	588	

4. Milan Cinema 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 buttons (Gold,Silver or Bronze) can be selected at a time. (1)

Ans. Button group

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

For Gold	5% on ticket amount
For Silver	7% on ticket amount
For Bronze	10% on ticket amount

For staff people deduction in tax to be calculated as 2%.

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

c. Calculate and display the total ticket amount message box when calculate button is pressed. (1)

Ans. Use of setselected and clear

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

Close the application when Exit button is clicked.

Ans. 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 number is even or odd.
- b. Write a program to enter two numbers and an operator symbol to perform basic calculation (addition, subtraction, multiplication and division) using switch-case.

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

b. Use of switch, case, break and default

