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

General Instructions

- This question paper contains 9 questions.
- Write the answers neatly and legibly.
- All questions are compulsory.

1. **Name each of the following: (3)**
   a. A device used to read bank cheques
   b. Collection of 1024 MB
   c. A translator used to convert program written in assembly language
   d. Any one CUI based operating system
   e. A window displays all properties of a selected control
   f. Complier for Java

   Ans. a. MICR

   b. 1 GB

   c. ASSEMBLER

   d. DOS UNIX

   e. PROPERTY

   f. JAVAC

2. **Answer each one of the following questions: (12)**
   a. Give one example for each presentation and DBMS packages.
   b. Write the full form for OMR and CDROM.
   c. Write any two disadvantages of using computers.
   d. Define any two advantages of using impact printer over non impact printers.
   e. Differentiate between double literals and int literals with suitable examples.
   f. What do you mean by bottom level controls? Name any two properties of jPanel.

   Ans. a. Powerpoint, MSAccess

   b. OPTICAL MARK READER, COMPACT DISK READ ONLY MEMORY

   c. Zero IQ, Power supply

d. SPEED, COST EFFECTIVE, BETTER QUALITY

e. Double for large range decimal values, int for integer values without decimals

f. Controls inside the container controls. 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.setText());

10=b ;

c==a+b;

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

Ans. a. Powerpoint, MSAccess

b. OPTICAL MARK READER, COMPACT DISK READ ONLY MEMORY

c. Zero IQ, Power supply

d. SPEED, COST EFFECTIVE, BETTER QUALITY

e. Double for large range decimal values, int for integer values without decimals

f. Controls inside the container controls. Any two properties

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

char x;

switch(x)

{

case 'a':

System.out.print("Excellent");

break;

case 'b' :

System.out.print("Very Good");

break;

case 'c':

System.out.print("Good");

break;

case 'd':

System.out.print("Fair");

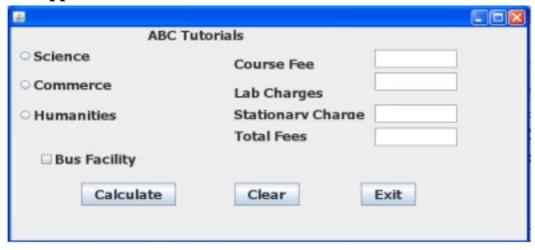break;

default : System.out.print("Wrong Grade');

}

Ans. char x;

if(x=='a')

System.out.print("Excellent");

else if(x=='b')

System.out.print("Very Good");

else if(x=='c')

System.out.print("Good");

else if (x=='d')

System.out.print("Fair");

else

System.out.print("Wrong Grade');}

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

int a,b;

a=100;

b=200

b/=10;

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

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

Ans.

119	
101	19

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

int n=61;

n++;

if(n>60)

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

else

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

jTextarea1.append("Transmeridian \n Logistics\t Hong Kong"+n);

Ans.

Transmeridian	
Logisstics	Hong Kong 63

4. **ABC Tutorials has computerized its fees 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 (Science, Commerce or Humanities) can be selected at a time. (1)**

Ans. a. Button group

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

For Science	10% on fees entered
For Commerce	7% on fees entered
For Humanities	2% on fees entered

Additional 2% fees will be charged for bus users.

Calculate and display the total fees in message box when calculate button is pressed.

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

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

Ans. Use of setselected and clear

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

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 an entered number is divisible by 5 or not.**

Ans. Use of % operate and if-else

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

Ans. Use of switch, case, break and default