

City International School

FIRST TERMINAL EXAMINATION – 2013 - 2014

Date : 26/07/2013

Marks : 100

Std : IX

Subject : Computer Applications

Time : 2 hrs

Answer to this Paper must be written on the paper provided separately.

You will **not** be allowed to write during the first **15** minutes.

This time is to be spent in reading the question paper.

Answer to this Paper must be written on the paper provided separately.

You will **not** be allowed to write during the first **15** minutes.

This time is to be spent in reading the question paper.

Q.1 Answer the following questions (14)

- a. List four features of JAVA.
- b. What do you understand by Implicit and Explicit type conversion?
Explain with examples.
- c. Explain the comments.
- d. Define 1) Byte code 2) Variable
- e. What are Identifiers?

Q.2 Write a program in Java to find out greatest number among three numbers. (5)

Q.3 Write a program in Java to accept the principle, rate and time from the user then print and calculate the Simple Interest. (5)

Q.4 Write a program in Java to find whether a number is even or odd. (5)

Q.5 Write a Java class to print the following output. (5)

Output : Java is a programming language
 Developed by 'James Gosling'

Q.6 Predict the output of the snippet by showing the working (10)

- a. int p=6, q=15;
 int r;
 r=(p*q) + p/q;

- b. `int m, p; m=5; p=0;`
 `p=m-- + --m;`
- c. `int a, b;`
 `a=12; b=10;`
 `System.out.println("(a&b)="+(a&b));`
- d. `class demo`
 `{`
 `public static void main(int a)`
 `int i=0;`
 `i=a*a*a;`
 `System.out.println("The value is :"+a);`
 `}`
- e. `int m=10, n=12, p;`
 `p=(m++ * n++) + --n/2;`
 `System.out.println(p);`

Q. 7 Mention the rule to assign a variable in a Java Programming? (4)

Q. 8 State two kinds of data types. (2)

Q. 9 Correct the errors in the following codes (6)

- a. `class student`
 `{`
 `public (int a, int b)`
 `int c;`
 `c=a+b;`
 `System.out.println(c);`
 `}`
 `}`
- b. `int a=45.1;`
 `float b=15.05;`
 `double c=92;`
 `sum=0;`
 `sum=(a+b+c);`
 `System.out.println("The answer =" +ans);`

Q. 10 Distinguish between

(6)

- a. Integer and Floating literal
- b. Compiler and Interpreter
- c. Boolean and Character literal

Q.11 State whether true or false

(6)

- a. JVM is Java Virtual Machine
- b. A character literal is enclosed with “ ”
- c. The output of a++ is -1 if int a= -1
- d. The data type long integer has 64 bytes
- e. Machine codes are expressed using alphanumeric character
- f. Java is not a case sensitive language

Q. 12 Fill in the blanks

(6)

- a. A set of characters is assigned to _____ variables
- b. BlueJ is a _____ based platform to operate Java program
- c. Java was developed by _____
- d. The package used to find power raised to any base in Java is _____
- e. The ASCII codes of upper case alphabets range from _____
- f. _____ type of value is returned by sqrt function

Q. 13 What is BlueJ? Mention its five features

(6)

Q. 14 Fill in the boxes as per the condition given.

(14)

a.

a	b	a&b
0	0	
0	1	
1	0	
1	1	

b.

a	b	a b
0	0	
0	1	
1	0	
1	1	

c.

a	!a
0	
1	

d.

a	b	a^b
0	0	
0	1	
1	0	
1	1	

Q. 15 Rewrite the snippet using Ternary operators:

(6)

a. if (a>b)

{

 d = (a – b);

 else

 d = (b – a);

}

b. if((a+b)>c)

{

 k = 15;

 System.out.println(k);

}

if((a+b)<c)

{

 k = 30;

 System.out.println(k);

}

c. if(basic>100000)

{

 tax = 0;

 else

 tax = 1000;

}