

GREENLAWNS HIGH SCHOOL  
TERMINAL EXAMINATION YEAR 2021-2022

SUB : COMPUTER APPLICATION  
STD IX

MARKS : 40  
TIME : 1 HOUR

---

Answers to this Paper must be written on the composition sheet.

You will not be allowed to write during the first 10 minutes.

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

The time given at the head of this paper is the time allowed for writing the answers.

---

This paper is divided into two Sections.

Attempt all questions from Section A and any two questions from Section B.

The intended marks for questions or parts of questions are given in brackets[]

**SECTION A(16 MARKS)**

*Attempt all questions*

Question 1.

- a. What is a class? [1]
- b. Give the value of a,b,c after evaluation: [2]  
a+=++a-b++; (a=1,b=2 and c=3)
- c. If a is of int data type and b is of float data type what would be the resultant data type of a+b? [1]
- d. What will be the output of the following program? [2]

```
class output5
{
static void main(){
int a=10,b=5;
boolean f1,f2;
f1=a>=b;
b+=9;
```

```
f2=a<=b;
System.out.println(f1+ "\t"+f2);
System.out.println(a+ "\t"+b);}}
```

- e. Write the Java expression for the following mathematical expression  $\sqrt{|a - b| + b^{12}}$  [2]
- f. What will the following functions return and what will be the data type? [2]
  - i. Math.ceil(17.3)
  - ii. Math.floor(17.3f)
- g. \_\_\_\_\_ is a principle of Object Oriented Programming that binds together the characteristics and behaviour of an object. [1]
- h. What are the different types of programs that can be made using Java? [2]
- i. Name the components of an object? [2]
- j. The default and \_\_\_\_\_ access modifier is used with a class. [1]

**SECTION B(24 MARKS)**

*Attempt any three*

Question 2.

WAP to initialise three integer variables a,b and c with 234,456,712 and store the sum of the last digits of the variables into d and display it.

Question 3.

WAP using ternary operator to check whether 27 is a multiple of 3 or not.

Question 4.

WAP to input two integers (say a and b) and interchange their values and display the result.(without using a third variable)

Question 5.

WAP to input the area of the circle and find its circumference.

=====