

GREENLAWNS HIGH SCHOOL
FINAL 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

Attempt all questions

Question 1.

(a) What are the default values of byte and boolean primitive data
type? [2]

(b) Name the package which is by default in any Java program. [1]

(c) What will be the output of given code? [1]

```
char ch= 'f';
```

```
int p=ch+5;
```

```
System.out.println(ch+ " " +p);
```

(d) What do you understand by endless loop? Explain with the help
of an example. [2]

(e) State number of iterations for the following loops: [2]

(i) `int a=0, x=0;`
`while(x++<7)`
`a+=x;`

(ii) `int a=0,x=0;`
`while(++x<7)`
`a+=x;`

(f) Is default clause compulsory with the switch ()? [1]

(g) The conditional operator is otherwise known as ternary operator (true/false) [1]

SECTION B(30 MARKS)

Attempt any three

Question 2.

A number is said to be neon if sum of all digits of square of a number is equal to the entered number.

Example 9 It's square is $81 = 8+1=9$ (so 9 is a neon number)

25 It's square is $625 = 6+2+5= 13$ (so 25 is not a neon number)

Write a program to find and print neon numbers between 10 to 10000.

Question 3.

WAP to print the following series on the screen.

1 3 6 11 20 20 terms.

Question 4.

An institution has decided to admit new candidates in different streams on the following criteria:

TOTAL MARKS OBTAINED

300 and above

200 and above but less than 300

STREAM OFFERED

Science

Commerce

Below 200 but not below 75

Otherwise

Arts

Admission not granted,
you have to appear in a
qualifying examination

WAP to input total marks obtained in an examination and print the stream allotted.

Question 5.

Define a class MENU to perform the following operations depending upon the user's choice (using switch..case)

- (i) Print absolute value of a number
 - (ii) Print cube root of a number
 - (iii) Print square of a number
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