

Name Farkhanda Jabeen

Id 14725

Paper Programming fundamental

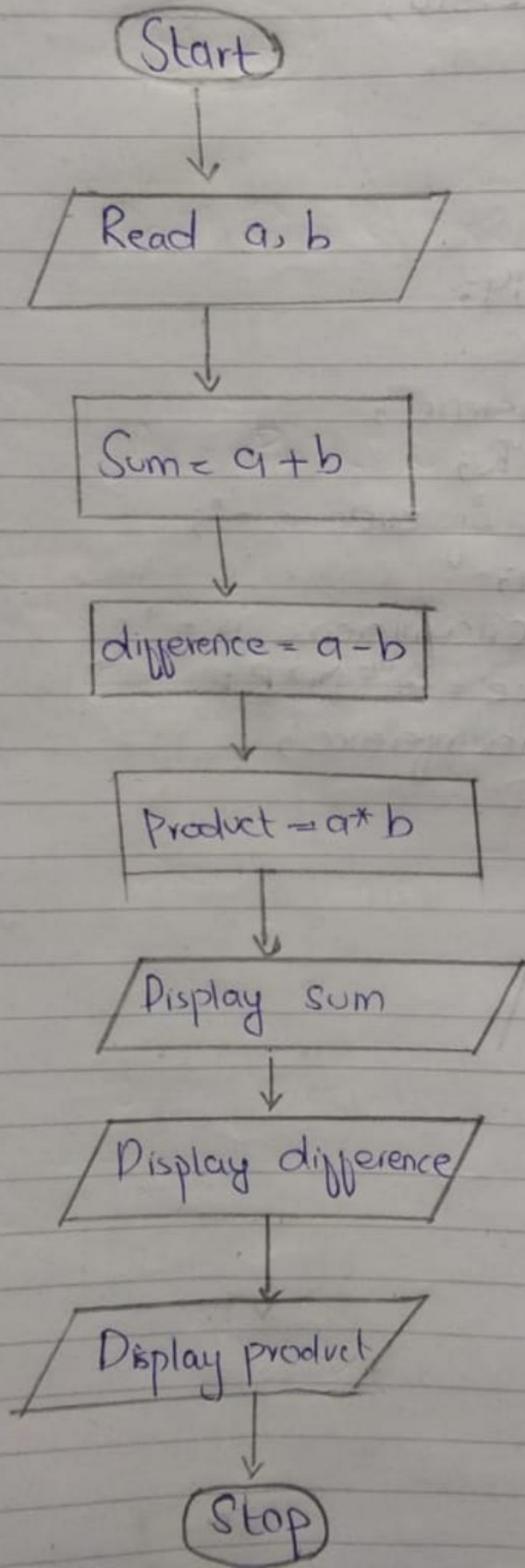
Subject

Teacher Sir Fazal-e-Malik

Date 25/Aug/20

Q 1 part (a)

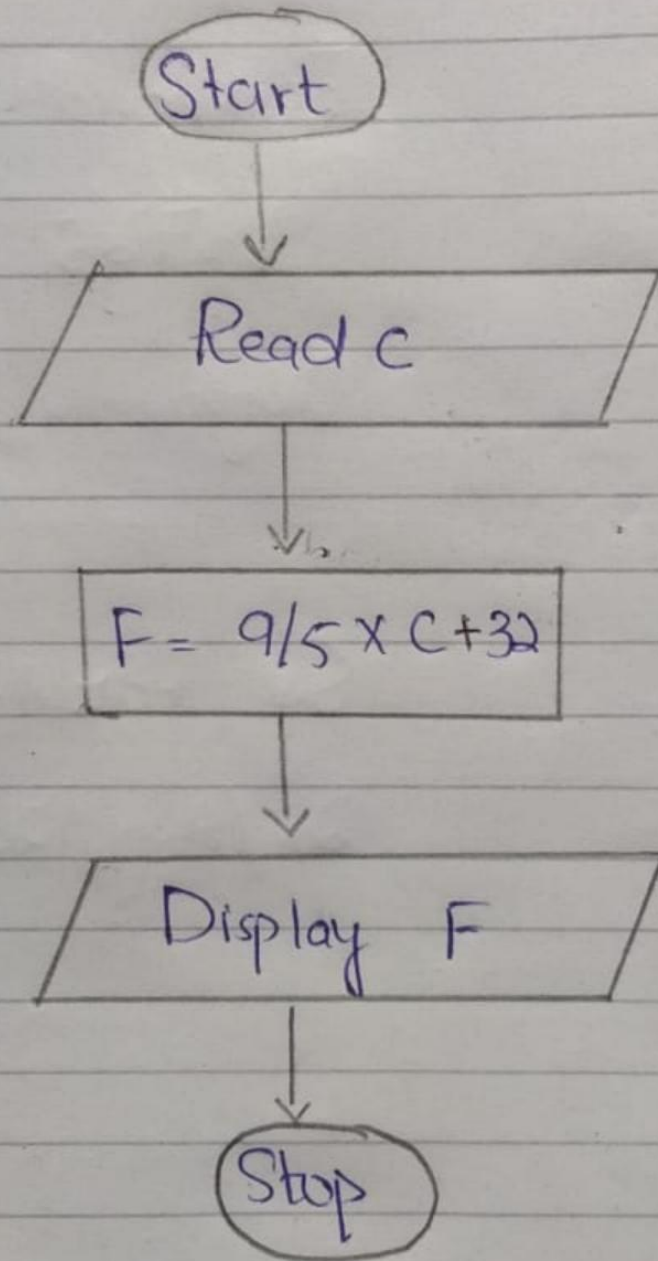
Flowchart:-



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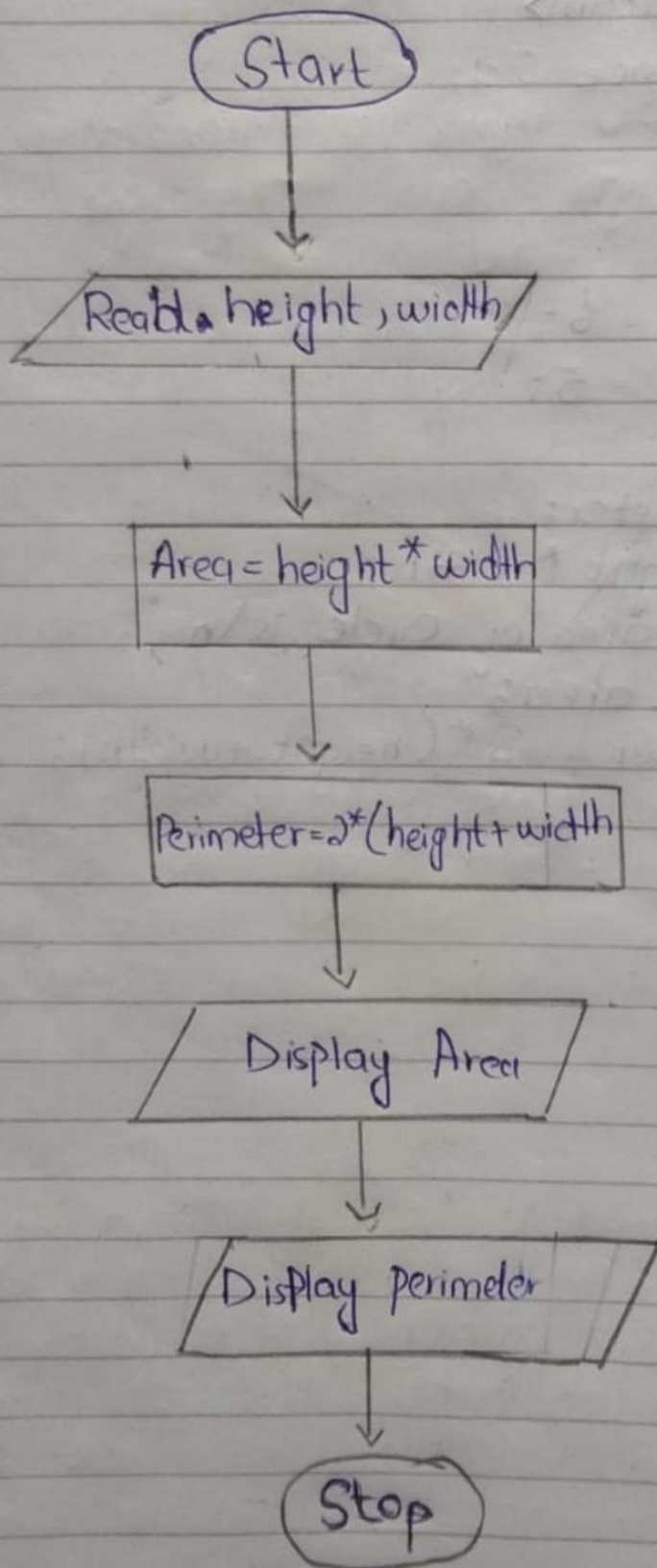
Part b :-



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Q2 part (a)

flowchart:-



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Program:-

```
#include <iostream>
using namespace std;
int main()
```

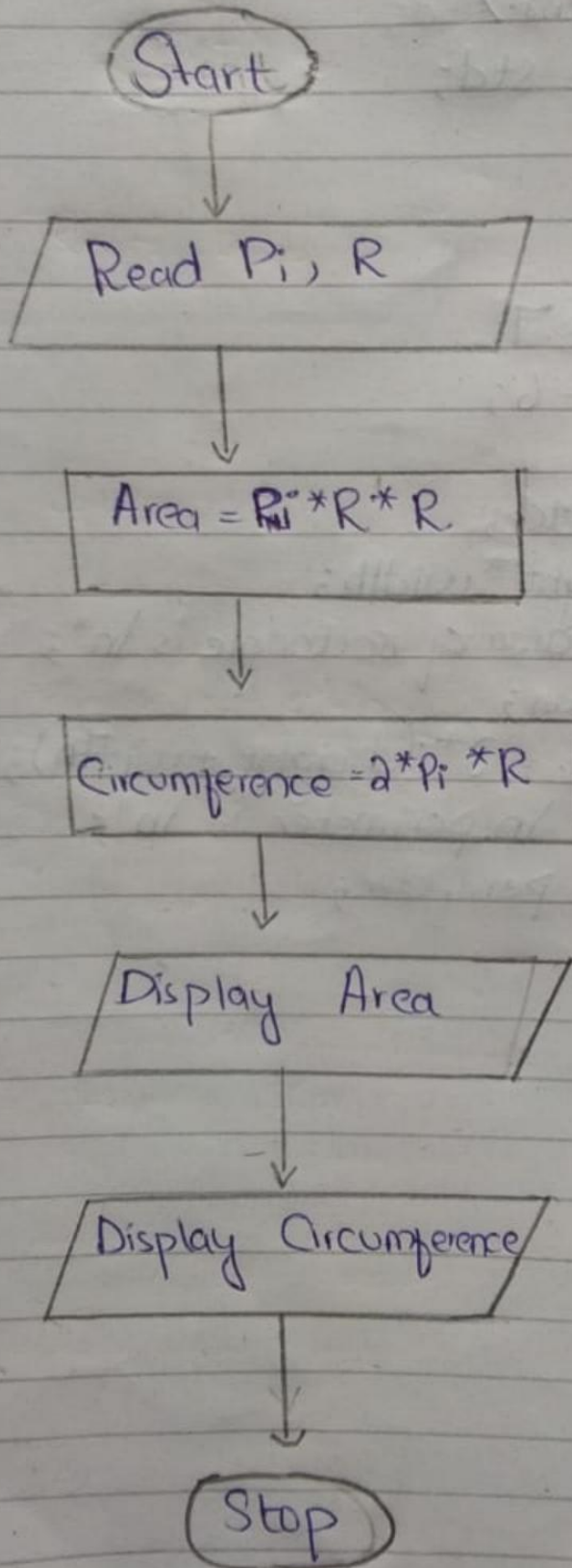
{

```
int height = 7;
int width = 6;
int area;
int perimeter;
area = height * width;
cout << "area of rectangle is \n";
cout << area;
perimeter = 2 * (height + width);
cout << "\n perimeter is \n";
cout << perimeter;
```

}

Q2 part (b)

Flowchart



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Program:-

```
#include <iostream>
using namespace std;
int main()
```

```
{
    int R = 5;
    float pi = 3.14;
    float Area;
    float circumference;
    Area = pi * R * R;
    cout << "Area of circle is = ";
    cout << Area;
    cout << "In Circumference is = ";
    Circumference = 2 * pi * R;
    cout << Circumference;
}
```


Q No 3 (a)

* Different types of programming languages.

Ans) There are two major types of programming languages.

- 1) Low level languages
- 2) High level languages.

Low level languages are further divided into

- * Machine language.
- * Assembly language.

High level languages are.

- * Fortran
- * Pascal
- * Cobol

- FORTAN is used for scientific application.
- COBOL is used for business application.
- PASCAL is general purpose, It was developed for teaching programming as a systematic discipline & to develop reliable & efficient programs.

Q 3 part (b)

Q How many translator are there to convert High level language to machine language.

Ans There are two types of translators that translates high level language into machine language.

- * Compiler
- * Interpreter

Compiler:-

Compiler is a program translator that translates the instruction of a higher level language to machine language. Compilers can take a while, because they have to translate high-level code to lower-level machine language all at once and then save the executable object code to memory.

Interpreter:-

An interpreter is another type of program translator used for translating higher level language into machine language. It takes one statement of higher level languages, translate it into machine language and immediately execute it. Therefore interpreter is faster than a compiler.