**ALGORITHM AND FLOWCHART**

1. **What is algorithm?**

Algorithm is a step-by-step procedure, which defines a set of instructions to be executed in a certain order to get the desired output. Algorithms are generally created independent of underlying languages, i.e. an algorithm can be implemented in more than one programming language.

 2 **What is flowchart?**

A flowchart explains the steps of a program in a graphical way. It is the pictorial representation of the algorithm depicting the flow of the various steps .Flowchart uses special shapes to represent different type of action or step in a process.

 3 **Write the differences between algorithm and flowchart?**

a)An algorithm shows us every step of reaching the final solution,while a flowchart shows us how to carry out the process by connecting each step .

b)An alogoritm uses mainly words to describe the steps while a flowchart uses the help of symbols ,shapes and arrows to make the process more logical.

c)Algorithm is more detailed and difficult to understand while flowchart is less detailed and easy to understand.

d)Algorithms are used for mathematics and computer programs while flowchart can be used in the organization of different processes for many different purposes.

 4. **Write some advantages and disadvantages of flowchart**.

**ADVANTAGES**

With the help of flowchart problem can be analysed in more effective way therefore reducing cost and waste of time.

**DISADVANTAGES**

1. **Complex logic:** Sometimes ,the program logic is quite complicated .In that case ,flowchart becomes complex and clumsy.This will become a pain for the user,resulting in a waste of time

and money trying to correct the problem.

1. **Alteration and modification:** If alterations are required ,the flowchart may required

redrawing completedly.This will usually waste valuable time