## Class 8 Subject- Computer Science Topic-Algorithm and Flowchart (Page 38 to 42)

## Synopsis-:-

- We need to follow certain rules while making an algorithm.
- The direction of flow of information in a flowchart is either from top to bottom or from left to right.
- Algorithms play a key role in developing computer programs.
- We should not make the algorithm too long.
- A flowchart is a diagrammatic representation of steps taken to perform a task.
- A flowchart can have only one start box and one stop box. These called terminal boxes.
- The flow of control shows only one path in a flowchart.

10) Write steps to design a flowchart.11) Write rules for designing a flowchart.

## Worksheet:-

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A) Fill in the blanks:-		
	1)	A is an elaborate algorithm.
	2)	A involved writing steps to solve a problem.
	3)	Algorithms play a in developing computer programs.
	4)	Algorithm can effectively be used to perform mathematical calculation to get
		desired, to get meaningful information and
		to implement intelligence in machines.
	5)	Algorithm writing is a that involves precise flow of steps.
	6)	The start box and stop box are called as
B)		er the following questions:-
	1)	What is an algorithm?
	2)	Write the characteristics of an algorithm.
	3)	Write steps to develop an algorithm.
	4)	Write rules for writing an algorithm.
	5)	What is a flowchart?
	6)	What is the relation between algorithm and flowchart?
	7)	Name all the symbols of the flowchart and also draw the shapes.
	8)	Write the uses of the symbols of the flowchart.
	9)	What are the uses of flowchart?

## C) Write algorithm for the following:-

- 1) Write an algorithm to switch on the computer.
- 2) Write an algorithm to find the sum product and differences of two numbers.
- 3) Write an algorithm to make a sandwich.
- 4) Write an algorithm to find the average of three numbers. (A B and C)
- 5) Write an algorithm to find the Compound Interest by giving the values of Principal Rate and Time.

A, B, C,

----The End-----