

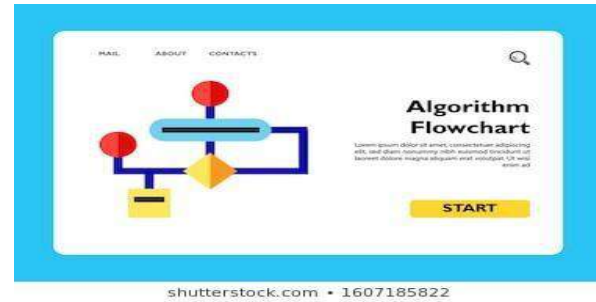
Ch3: Algorithm and Flowchart

1. *What is Algorithm? Write the characteristics of a good algorithm.*

Ans- An Algorithm is a textual representation of step-by- step procedure to solve a problem.

A good algorithm must incorporate the following characteristic:

- ✚ An algorithm should be precisely defined.
- ✚ It should clearly mention the inputs taken. Should produce valid outputs.
- ✚ Should have provision to handle errors or wrong input.
- ✚ Should be presentable. The language used should not be too informal.



2. *Write the steps to develop an algorithm.*

Ans- The steps to develop an algorithm are: Always begin the first step with START.

- ✚ Always write each step in a separate line and number them.
- ✚ Use the word INPUT or READ when we want an input.
- ✚ Use the word PRINT or WRITE when we want an output.
- ✚ Always end with STOP.
- ✚ Do not make the algorithm too long.

3. *What is Flow Chart? Write the features of Flowchart.*





Ans- A Flowchart is a diagrammatical representation of step-by-step procedure to solve a problem.


The features of Flowcharts are:

- ✚ It is an easy method of communication.
- ✚ It is independent of a programming language.
- ✚ It is the key to correct programming.
- ✚ It helps to plan and design a new system.
- ✚ It clearly indicates the task to be performed at each level.

4. *Explain the different symbols that are used in flow chat?*

Ans-

Shapes/ Symbols	Name of the Shape/Symbol	Use
	Start/Stop box or Terminal Box	Used to show the start and stop of a flowchart
	Process box	Used to show the process or action
	Input/Output box	Used to show whether a data is input or output
	Decision box	Used when we need to select between two options

	Flow lines	Used to connect different shapes in a flowchart and indicates the direction of the flowchart
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5. *Page 52 (Fill in the blanks)*

1. Terminal Box
2. Flow chart
3. Flow lines
4. Decision box
5. Process box