

PARAGON CONVENT SCHOOL
SECTOR 24 B CHANDIGARH

CLASS 5

CH- 8 ALGORITHM AND FLOWCHART

BRAIN DEVELOPER

A. Fill in the blanks:

1. An **algorithm** is a set of sequential steps that helps in solving a problem.
2. The **start/stop** symbol represents the starting or ending point of a program.
3. The **processing** box is used for writing the processing instructions.
4. The **input/output** box is used to display input and output of a program.
5. The **decisions** box represents all conditions and decisions.
6. The **connectors** are used to connect one part of flowchart to another.

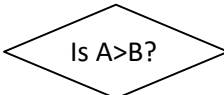
B. State true or false:

1. A flowchart is a chart representing a problem. **False**
2. Algorithm means a set of rules, which specifies how to solve a problem. **True**
3. Flowcharts are helpful in analyzing the logic of a problem. **True**
4. The general direction of flow in any flowchart is from bottom to top or right to left. **False**
5. Connectors are used to connect the boxes. **True**

C. Draw the flowchart boxes for the following:

1. Start 

2. Input A,B 

3. Is A>B 

4. Stop 

5. A=A+1 

6. Print A 

D. Multiple choice Questions:

1. Algorithm is always written in _____ language.
a) Difficult b) **Simple** c) Binary
2. _____ box is used to display the final result.
a) **Input/Output** b) Stop c) Processing
3. In a flowchart, _____ indicates the sequence of steps and direction of flow.
a) Start/Stop box b) Connectors c) **Flow lines**
4. The pictorial representation that illustrates the steps of the solution to a problem is called _____.
a) Algorithm b) **Flowchart** c) None

E. Answer the following questions:

1. Define the term Flowchart.

Ans. A Flowchart is a pictorial representation of steps of an algorithm used for solving a particular problem.

2. What is an Algorithm?

Ans. Algorithm is a set of sequential steps to solve any logical or mathematical problem. It is always written in simple language and precise manner so that anyone can understand the steps.

3. What is the use of the Decision box?

Ans. Decision box is used for checking or applying any condition in the program.

4. When is the Process box used?

Ans. Process box is used for writing the processing instructions and doing calculations.