



INDIAN SCHOOL AL WADI AL KABIR

Class: VII	Department: Computer Science	Year: 2025-2026
Worksheet with solutions	Subject: Computer Science Topic: Coding and Flowchart	

i) Multiple choice questions?

1. Which of the following is the way to represent an algorithm?
 - a) Flowchart
 - b) Pseudocode
 - c) **Both i) and ii)**
 - d) None of these
2. Which of the following is not a shape used in the flowchart?
 - a) Rectangle
 - b) **Triangle**
 - c) Diamond
 - d) parallelogram
3. Which of the following is the disadvantage of the flowchart?
 - a) **Difficulty in modification**
 - b) Lack of communication
 - c) Proper documentation
 - d) All of these

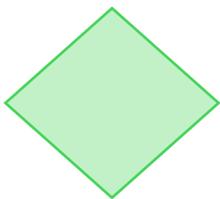
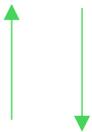
ii) Fill in the blanks?

1. An **algorithm** is a set of steps in a sequential manner to solve a problem or to complete a task.
2. In a flowchart, **arrows** represent the direction of the flow among the steps.
3. **Parallelogram** represent the input/output in the flowchart.
4. An algorithm can be represented in **Flowcharts** and **Pseudocodes**.
5. While drawing flowchart we have to work in a **consistent** direction.

iii) True or false

1. While drawing flowchart we can use any symbols. - False
2. We can modify flowchart easily. - False
3. Oval shape is used for start and stop points in the flowchart. - True
4. Rectangle shows the direction in which the process flows. -False
5. Using flowchart problem can be analyse easily - True

iv) Match the following

- | | | |
|----|---|-----------------|
| 1. |  | a. Start/stop |
| 2. |  | b. Decision |
| 3. |  | c. Input/Output |
| 4. |  | d. Process |
| 5. |  | e. Flow Lines |

Answers: 1 - b , 2 - a, 3 - d, 4 - e, 5 - c

v) Answer the following?

1. What do you mean by flowchart?

A flowchart is a diagrammatic representation of the step-by-step plan that is supposed to be followed, for solving a task/problem statement.

2. Write any two benefits of using flowcharts?

1. Effective communication: - Flowcharts are better way of communicating the logic of the system.
2. Proper Documentation: - Flowcharts serves as a good program documentation, which is needed for various purposes.

3. What are the principles to be followed while drawing flowcharts?

There are certain principals to be followed while drawing the flowchart.

- Marking the start and end points clearly.
- Using standard symbols.
- Avoiding crossed lines.
- Using simple decisions.
- Working in a consistent direction.

vi) Application-based questions

Suresh is drawing a flowchart to calculate are of a triangle. which box does he need to

1. Read the sides
2. Calculate the area
3. Show the value of are of the triangle

Answers: 1 – Parallelogram 2- Rectangle 3 - Parallelogram