Worksheet

1

Name: ....

Roll No: .... Class: .... Section: ....

Date: ....

ALGORITHMS AND FLOWCHARTS

Chapter-3

Class -8

A. **Tick (✓) the correct option.**

1. Algorithm is a set of steps in a .... manner to solve a problem or to complete a task.

   a. horizontal ☐
   b. vertical ☐
   c. mathematical ☐
   d. sequential ☐

2. A .... is a graphical representation of an algorithm .

   a. program ☐
   b. flowchart ☐
   c. symbol ☐
   d. none of these ☐

3. The language understood by the computer is ....

   a. Assembly language ☐
   b. Machine language ☐
   c. High-level language ☐
   d. 4GL ☐

B. **Write 'T' for true and 'F' for false.**

1. Only one flow line should come out from a process symbols. ....

2. The direction of the flow in a flowchart has to be maintained from right to left or top to bottom. ....

3. Decision box is used when there are 2 options (Yes/No). ....

C. **Complete the flowchart to calculate the simple interest.**

```
        ( Start )
            │
  ┌─────────────────────┐
  │ Read P for Principal │
  │      r for rate      │
  │      t for time      │
  └─────────────────────┘
            │
  ┌─────────────────────┐
  │                      │
  └─────────────────────┘
            │
  ┌─────────────────────┐
  │                      │
  └─────────────────────┘
            │
        ( Stop )
```

Grade: ⭐ ⭐ ⭐ ⭐ ⭐

Teacher's Signature: ....