पु•ना International School

Shree Swaminarayan Gurukul, Zundal

Class -V

Super Computer

Exercise Corner

Specimen Copy

Year- 2020-21

CH-8 Algorithms and Flowcharts

❖ **Focus of the chapter**

1. Writing an algorithm
2. Flowcharts
3. Decision-making in flowcharts
4. Looping in flowcharts

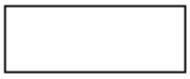
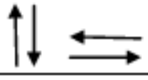
❖ **Keywords**

➢ **Algorithm –** the process of working in steps to achieve a desired result

➢ **Flowchart** –a pictorial representation of the steps used to perform a particular task.

❖ **Checkpoint**

Name the following shapes that are used in a flowchart.

Symbol	Name	Function
	Process	Indicates any type of internal operation inside the Processor or Memory
	input/output	Used for any Input / Output (I/O) operation. Indicates that the computer is to obtain data or output results
	Decision	Used to ask a question that can be answered in a binary format (Yes/No, True/False)
	Connector	Allows the flowchart to be drawn without intersecting lines or without a reverse flow.
	Predefined Process	Used to invoke a subroutine or an Interrupt program.
	Terminal	Indicates the starting or ending of the program, process, or interrupt program
	Flow Lines	Shows direction of flow.

❖ **Exercise Corner**

A. Tick (✓) the correct answers.

1. Which of the following is always the first step in an algorithm?

A. Start

2. The start and stop instructions in a flowchart are represented by which shape?

A. Oval

3. In a flowchart, the diamond shape is used to show which of the following?

A. Decisions

4. Which of the following is a sequence of instructions that is repeated until a condition is satisfied?

A. loop

B. Write T for True or F for False.

1. A flowchart can have any number of Start and Stop boxes. – F

2. The direction of flow of information in a flowchart is always from bottom to top. – F

3. A computer uses the IF…ELSE statement for decision – making – T

4. The Input/Output box in a flowchart is in the shape of a rectangle. – F

5. The shapes in a flowchart are connected using arrows that indicate the flow of actions. - T