

Class Work

Chapter - 6

Algorithm and Flowchart

Q-1 What do you understand by problem solving? List some problems related to daily routine.

Ans-1 Problem solving could be any activity or task that a human being or machine does in order to achieve a specified goal or objective. For example - packing your school bag as per the timetable, watching your favourite channel, going for shopping or movie.

Q-2 What is the difference between algorithm and flowchart?

Ans-2 An algorithm is a step-by-step procedure to solve any logical or mathematical problem while a flowchart is a type of diagram that represents an algorithm or the process to solve a problem.

Q-3 Describe any three flowchart symbols.

Ans-3 ① Terminal - This symbol indicates the beginning and ending of a program in a flowchart. It is also known as start/stop box.

② Input/Output — It is used to indicates input and output of a program. It takes input and shows output.

③ Processing — This symbol indicates a process, action or any type of operation like addition, multiplication, subtraction and division.

Q-4 How are connectors different from flow lines?

Ans 4 Connectors are used to connect breaks in the flowchart while flow lines show the direction of flow in a program.

Q-5 Briefly explain the use of decision making flowcharts.

Ans 5 Decision making is an essential task that all of us indulge in every day. Decision making flowchart has at least one decision symbol. Decision symbols have two exit points, one for Yes/True and another for No/False. These flowcharts are used to raise a certain condition along with its solution for example —

Example Draw a flowchart to decide whether to play or study.

