Lesson 4: Introduction to Problem Solving

A. (Q1 to Q10) There are four options against each question. Choose the option which you consider the most appropriate as your answer.

This set of Computer Fundamentals Multiple Choice Questions & Answers (MCQs) focuses on "Flowcharts".

1. The symbol denotes _____

a) I/O
b) Flow
c) Terminal
d) Decision

2. In computer science, algorithm refers to a pictorial representation of a flowchart.
a) True
b) False

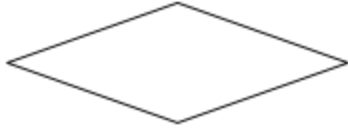3. The process of drawing a flowchart for an algorithm is called _____
a) Performance
b) Evaluation
c) Algorithmic Representation
d) Flowcharting

4. Actual instructions in flowcharting are represented in _____
a) Circles
b) Boxes
c) Arrows
d) Lines

5. The following box denotes?

a) Decision
b) Initiation
c) Initialization
d) I/O

6. A box that can represent two different conditions.
a) Rectangle
b) Diamond
c) Circle
d) Parallelogram

7. There should be certain set standards on the amount of details that should be provided in a flowchart.
a) True
b) False

8. A detailed flowchart is called _____
a) Stack
b) Macro
c) Micro
d) Union

9. Which of the following is not an advantage of a flowchart?
a) Better communication
b) Efficient coding
c) Systematic testing
d) Improper documentation

10. A flowchart that outlines the main segments of a program.
a) Queue
b) Macro
c) Micro
d) Union

B. Short Answer Questions:

(a)   What is an algorithm?

(b)   What is flowchart?

(c) Write an algorithm to print the sum of two numbers?

(d) Write an algorithm to check the given number is positive or negative.

(e) Write an algorithm to check the given number is odd or even.

B. Short Answer Questions:

(a) Explain the different symbols used in flowchart.

(b) Write an algorithm to print the first N natural number and their sum.

(c) Write an algorithm to print the factorial of the given number.

(d) Write a flowchart to print the sum of even numbers.

(e) Write a flowchart to print the Fibonacci series.