Name: _____	**Subject:** Computer	**Class:** 10th	**Time:** 80 minutes	Total Marks:	**40**
Chapter No.6		MJDexpert.com		Obtained marks	

Note: Please attempt any 10 short questions from Question 2. Also, attempt both parts of Question 3. Cutting and removal of any content is strictly prohibited.

Objective Type

Question #1: Select the best answer (1 × 12)

1. What type of error occurs when a program executes the wrong logic?
   A) Runtime error   B) Syntax error   C) Logical error   D) No error
2. The process of identifying and correcting errors in a program is known as:
   A) Coding   B) Analyzing   C) Debugging   D) Testing
3. Program upgrading is referred to as:
   A) Program enhancement   B) Program identification   C) Program development   D) Program implementation
4. The diamond symbol in a flowchart represents:
   A) Input/output   B) Decision making   C) Processing   D) Remarks
5. How many possible solutions can a problem have?
   A) One   B) Two   C) Three   D) Multiple
6. Division by zero leads to:
   A) Syntax error   B) Logical error   C) Runtime error   D) No error
7. What is an algorithm?
   A) Requirement document   B) Design document   C) Test document   D) User guide
8. The symbol used for processing is:
   A) _____   B) _____   C) _____   D) _____
9. The visual depiction of an algorithm is called:
   A) Program   B) Flowchart   C) Debugging   D) Testing
10. Typically, computer algorithms perform:
    A) Input   B) Output   C) Processing   D) All of the above
11. The method of "Divide and Conquer" is applied to solve:
    A) Simple problems   B) Complex problems   C) Large problems   D) Both complex and large problems
12. In a flowchart, the circle symbol indicates:
    A) Processing   B) Remarks   C) Connector   D) None of these

Subjective Type

Question #2: Answer the following short questions (10 × 2 = 20)

1. Define the purpose of a specific symbol in a flowchart.
2. Mention two limitations of flowcharts.
3. Explain the difference between a runtime error and a logical error.
4. Which errors are the hardest to find? Why?
5. List the steps involved in problem-solving.
6. What is debugging in programming?
7. Define what an algorithm is.
8. Mention two advantages of a flowchart.
9. What is the purpose of the input/output symbol in a flowchart? Draw the symbol.
10. What is a syntax error?

Question #3: Answer this long question (4 × 2 = 8)

a) Provide guidelines for drawing a flowchart.
b) Define debugging. How many types of errors can occur in a program? Provide a brief description.