

Name: _____						
Subject: Computer		Class: 10 th		Time: 80 minutes		
Chapter No.8		MJDexpert.com			Total Marks:	40
					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.

Question #1: Select the Correct Option (1 × 12)

- How many basic control structures exist in BASIC?
A) 3 B) 5 C) 4 D) 2
- Which of the following does not terminate an error-handling routine?
A) RESUME NEXT B) RESUME C) END D) STOP
- Which loop structure is most effective when the number of repetitions is pre-determined?
A) WHILE...WEND B) FOR...NEXT C) GOTO D) FOR...WHILE
- What control structure is used to repeat a set of instructions?
A) Selection B) Sequence C) Loop D) IF/PROGRAM
- Which control structure executes statements one after another?
A) Selection B) Sequence C) Loop D) All of the above
- What is the term for one or more loops inside another loop?
A) Infinite loop B) For loop C) Complex loop D) Nested loop
- Which of the following is not a logical operator?
A) AND B) OR C) NOT D) NEITHER
- What is the function of the selection structure?
A) Sequence B) Selection C) Loop D) None of these
- Which statement allows for multiple branches in the flow of execution?
A) ON ERROR GOTO line_number B) IF...ELSE C) ON...GOTO D) GOTO
- The FOR...NEXT loop is primarily used for:
A) Iteration B) Selection C) Sequence D) All of the above
- How many different types of loops are available in BASIC?
A) 2 B) 4 C) 6 D) 8
- How many types of transfer control structures are found in GW-BASIC?
A) 2 B) 3 C) 4 D) 5

Subjective Section

Question #2: Provide Brief Answers (10 × 2 = 20)

- What is a control structure in programming?
- Explain what "transfer of control" means in programming.
- What is the purpose of the IF...THEN...ELSE statement in BASIC?
- Describe the function of the FOR...NEXT loop.
- Write the syntax for a WHILE...WEND loop.
- Define what is meant by a "nested loop."
- Explain the concept of loops in programming.
- Distinguish between sequence and selection control structures.
- What is a counter variable, and how is it used in loops?
- What does "conditional transfer of control" refer to?

Question #3: Provide Detailed Answers (4 × 2 = 8)

- Define control structures, and give an overview of the different types of control structures in BASIC.
- What is the FOR-NEXT loop? Describe its structure and how it functions.