

Name: _____						
<b>Subject:</b> Computer		<b>Class:</b> 10 <sup>th</sup>		<b>Time:</b> 80 minutes		
<b>Chapter No.10</b>		<b>MJDexpert.com</b>			<b>Total Marks:</b>	<b>40</b>
					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 = 12)**

- If  $J = \text{INT}(3.9999)$ , what will be the output of PRINT J?  
A) 3 B) 4 C) 0.99 D) -3
- The output of PRINT (-7.09) will be:  
A) 7 B) 0.9 C) 7.09 D) 7-
- The result of SIN(-4) is:  
A) '-' Sign B) '+' Sign C) 0 D) None of these
- Which function provides the natural logarithm of a positive integer x?  
A) LOG function B) SPC function C) RND function D) BEEP function
- In BASIC, how many types can data files be classified into?  
A) 2 B) 3 C) 4 D) 5
- Which function is utilized to convert ASCII codes into corresponding characters?  
A) CHR\$( ) B) CHAR( ) C) CHR( ) D) CHAR\$( )
- The result of the INT function for (-5.7) is:  
A) -5 B) -6 C) -4 D) 5
- To read data from a file, you must open it in:  
A) Input B) Output C) Both A and B D) None of these
- The expression LEFT\$("Pakistan",3) results in:  
A) 'Kis' B) 'Pa' C) 'PAK' D) 'Pak'
- What function gives the absolute value of an expression?  
A) SQR function B) ABS function C) INT function D) FIX function
- A file can be managed in how many different ways?  
A) One way B) Two ways C) Three ways D) Four ways
- The expression TAN(X) is equivalent to:  
A) SIN(x)/COT(x) B) COT(x) C) COS(x)/SIN(x) D) SIN(x)/COS(x)

**Subjective Section**

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

- Describe the numeric function and its significance.
- Explain the functions of LOG and RND.
- How many types of functions exist? List their names.
- Define what a module is in programming.
- Contrast a subroutine with a function.
- Differentiate between a data file and a program file.
- What is the role of the CHR\$( ) function?
- Provide the purpose and syntax of the SIN( ) function.
- Compare a built-in function with a user-defined function.
- Describe the purpose and syntax of the ABS( ) function.

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

- Explain the purpose of the following functions: INT, SQR, COS, VAL.
- What is a built-in function? Discuss various types of built-in functions available.