***BCA-I***  
***(Session: 2024-27)***

***Assignment***  
***Paper - V***  
***C Programming***

***Answer the following questions***

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1. What is a flowchart? Write its advantages and limitations. Draw a flowchart to print Fibonacci Series up to n terms. [3 + 6 + 6]
2. Describe the various decision-making constructs available in C programming language. Write a program to find whether a year is a leap year or not. [10 + 5]
3. Differentiate between while and do-while loops. Write a program to find the factorial of the given number. Write a program to find the length of a string (without using library function strlen()). [5 + 5 + 5]
4. Discuss structure and union in detail. Support your discussion with appropriate programs for both the concepts. [15]