

# **Algorithm Development and Programming Fundamentals**

## **MCA SEM-1**

### **Basic C Programs - II**

- A. Write down the steps to perform operations of following programs. Draw appropriate flowchart for the same.
- B. Perform the following programs using GCC. Write down the commands to compile and run the program.
  - 1. Provided three numbers in input, Find the greatest number using a C program.
  - 2. Write a simple C program to check if the number is negative or positive.
  - 3. Consider two number inputs provided M and N. Write a C program to find the quotient and remainder when M is divided with N.
  - 4. Write a simple C program to find the simple interest  $I = p*r*n/100$ .
  - 5. Write a simple C program to find the average of three numbers.
  - 6. Write a simple C program to check the year is a leap year.
  - 7. Write a simple C program to check if the number is Odd or Even.