**PSG COLLEGE OF TECHNOLOGY, COIMBATORE**

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES**

**21X207- DATA STRUCTURES LAB**

**PROBLEM SHEET I**

1. **Write a function, *strpos 1,* that accepts a *string* and a *character.*  The function returns an integer that represents the position of the first occurrence of character in *string.* If *character* is not in *string,* it returns -1.**
2. **Write a program to calculate the sum of the array elements using pointers**
3. **Write a program to implement matrix multiplication using pointers**
4. **Write a program to convert Fahrenheit temperature to Celsius temperature for input value. Output both the Fahrenheit and the Celsius values. The conversion formula is :**

**C =**

1. **Write a program to evaluate the polynomial**

1. **Write a program to compute the distance between the points and given the coordinates and**

**Distance =**