PSG COLLEGE OF TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
II SEMESTER MCA
18MX25 Microprocessors and Embedded Systems
Problem sheet 4

To be completed before 10.03.2020

1. Write a program to find the largest number in the array.

2. Write an ALP to sort the given array in ascending order.

3. Write a program to separate the given array as array of positive and negative numbers.(size of the array should be minimum 5).

4. Add two data words 5434h, FF45h and store the resultant 17-bit data in the stack.

5. Write a program to find the frequency of occurrence of the given element in the array.

6. Write a program to change the content which is placed in AX into zero, using left shift. And then count how many times left shift required?

7. Write a program to rotate the register AX by 5 times, and then the content of AX is greater than 50, move 1 into BX, else move 2 into BX. Use jump instructions.

8. Write a program to check whether the given string is a palindrome or not.

9. Write a procedure that checks for the equality of the two strings.

10. Write a program to convert all characters of the given string to uppercase.