

PSG COLLEGE OF TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
II SEMESTER MCA
18MX25 Microprocessors and Embedded Systems
Problem sheet 5

To be completed before 25.03.2020

1. Write an ALP to print your name on the screen with different colour.
2. Write a program that displays a message “Press any key to continue” and the waits for a single keystroke : Control is then returned.
3. Write a program that display message ‘Happy Birthday’ on the screen after the key ‘K’ is pressed.
4. Write a procedure that checks for the equality of the two strings.
5. Write a program to convert all extra spaces of the given string and display the string.
6. Develop a program that displays the position of the first occurrence of the letter within the string of sting of characters input by the user.
7. Write a program that determine if two numeric keys (0 - 9) are pressed in sequence. A sequence could be 1-2 , or 8-9 or 4-5. The program should displays the message “sequence” any time if two sequential keys are pressed and the message “not sequential” whenever two keys that are not sequential are pressed.
8. Write a procedure to compute the factorial of a number recursively.
9. Write a simple macro to returns the maximum value contained in the parameters A and B.
10. Write a macro to print 0 through 9 on screen using DOS interrupt 21H. Check the working of the macro by writing a procedure.