

Computer Engineering Department, SVNIT, Surat

Course: Microprocessor and Interfacing Techniques (CS202)

Assignment

(1)	Write an assembly language program in 8085 microprocessor to exchange content of HL register pair with DE register pair using PUSH and POP instructions.
(2)	<p>What is the value of DE register pair and program status word(PSW) after executing the following program.</p> <p>[BC = 1521H , HL = C125H , SP = FFFFH]</p> <p>PUSH B PUSH H POP D POP PSW</p>
(3)	Write an assembly language program for calculating the factorial of a number in 8085 microprocessor using subroutine.
(4)	Write an assembly language program for calculating the nth power of a number in 8085 microprocessor using subroutine.