



Department of Computer Science and Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj

Microprocessor Lab (CSN14400)

(B.Tech. IV Semester)

Assignment - 02

1. ALP in 8085 to perform addition two 16-bit numbers without using memory pointers
 - a. for 8-bit Operation
 - b. for 16-bit Operation
2. Subtract two 16-bit numbers without using memory pointers
3. ALP in 8085 to add a series of ten 8-bit numbers stored at memory location starting from 2000H. Store the lower byte of the result in lower order address and higher byte in the higher order address.
4. ALP in 8085 to find the maximum among a series of 10 numbers stored at memory location starting from 2000H. Store the maximum number after the last stored number.