Computer Engineering Department, SVNIT, Surat

Course: Microprocessor and Interfacing Techniques (CS202)

Assignment – II

1. Learn some basic logical instructions & explain with example,
   (CMP, CPI, ANA, ANI, XRA, ORA, ORI, CMA, CMC, STC)
2. Write an assembly language program to check the fourth bit of the byte stored at location 3000H is 0 OR 1. If 0 store 00H else store at FFH at location 3002H.
3. Write an assembly language program to count the number of 1s in 8 bit numbered stored in register B.
4. There is an array of some elements. Write an assembly language program to count number of elements that are lesser than 09H.
5. Write an assembly language program to find whether a number is positive or negative.
6. Write an assembly language program to take all the numbers which are greater or equal to 3CH & lesser or equal than 64 H from an array. Numbers are stored at 8001 Onwards, 8000 is holding the size of the array, the result will be stored from 9000.