

**GOVT. POLYTECHNIC, PALANPUR**  
**Electronics & Communication Department**

**MALP**  
**Assignment – II**  
**Programming In 8085**

1. Write a program to add numbers 08h and 02h and store result in A.
2. Write a program to subtract numbers 08h and 02h and store result in A.
3. Write a program to add numbers 18h and 02h and store result in C register.
4. Write a program to subtract number 02h from number 18h and store result in C register.
5. Write a program to multiply 06h and 07h
6. Write a program to add two 16 bit numbers using DAD instruction.
7. WAP to add two 16-bit numbers stored in given memory as below: 2000h = 14h (LSB), 2001h = 6Ah (MSB), 3000h = 52h (LSB), 3001h = 4Ch (MSB). Store the answer with higher byte at 4001h and lower byte at 4000h.
8. Write a program to transfer bytes of source block to destination block. Size of block is 7 bytes, address of source block: 5000h and destination block: 6000h
9. WAP to transfer memory block of sixteen data bytes stored from starting location 3000H to starting location 4000H in reverse order.
10. Write a program to complement content of memory location 4000h and store the result in memory location 4001h.
11. Write a program to count number of 1's in given 8-bit number stored at memory location C050H. Store result in memory location C051H.
12. Write a program to form a time delay loop using single register and using register pairs
13. WAP to count 0-7 repeatedly with 1 ms time delay between two successive counts.

**Note: Date of Submission – On or Before 10<sup>th</sup> February, 2017.**