RHYTHM NARANG 102203839

Lab assignment 1

Question1-

MVI A, 48;

MOV B,A;

MOV C, A;

MOV D,A;

MOV E,A;

MOV H,A;

MOV L,A;

HLT



Question 2-MVI A,48 MVI B,48 ADD B STA 8500 HLT



Question 3-LDA 8500 MOV B,A LDA 8501 ADD B STA 8502 RST 5



LXI H, 8500 MOV A,M INX H ADD M INX H MOV M,A RST5 5



Question 4-

LHLD 8500 XCHG LHLD 8502 DAD D SHLD 8504 RST 5



LXI B, 8500

LDAX B

MOV D.A

INX B

LDAX B

ADD D

STA 8500

INX B

LDAX B

MOV D, A

INX B

LDAX B

ADC D

STA 8505



Question 5-

MVI C, 00

LXI H, 8500

MOV A, M

INX H

ADD M

JNC Next

INR C

Next: INX H

MOV M, A

INX H

MOV M,C RST 5



QUESTION 6-

LDA 8500H CMA STA 8501H RST 5



LDA 8500H CMA INR A STA 8501H RST 5

