(20) JMP BX

PA = DS * 10h + BX

= 1000 * 10 + 2000

= 10000 + 2000 = 12000h

IP = 2010h

PA of inp = CS * 10h + IP

= 3000 * 10 + 2010

= 30000 + 2010

= 32010h

(17) a) PA = SS * 10h + [BP + SI + 2000h]

= 2000 * 10h + [2000 + 3000 + 2000]

= 2000 * 10h + 7000

= 27000h

b) 7856h

TOPIC NAME : _____ DAY : _____

TIME : DATE : / /

(18) MOV BX, [BP + SI]

PA = SS * 10h + [BP + SI]

= 2000 × 10 + [0500 + 0100]

= 20000 + 0600

= 20600h

Data : 7856h

(19)

PA = DS * 10h + [SI + 1000h]

= 1000 × 10 + (2000 + 1000)

= 10000 + 3000

= 13000h

IP = 3412h

Physical address of JMP [SI + 1000h]

= CS * 10h + IP

= 3000 * 10 + 3412

= 30000 + 3412

= 33412h

GOOD LUCK