E

Q1/Assume that SP = FF12H, AX = ACDH, BX = 8H, and CX = 200H DX=ABCD. Find the content of the stack and stack pointer after the execution of each of the following instructions. PUSH AX, PUSH BX, PUSH CX.

Q2/ Find the status of the condition flags for the following operations, why? MOV DX, C930H ADD DH, DLH.

Q3/Suppose that DS = 100DH, SS = 5E00H, EAX = 00001000H, EBX = 0000800DH, ECX = 00003000H, BP = 0F00H, and SI = 0E50H. Determine the physical address for each of the following instructions, assuming real mode operation:

(a) MOV DL, [800H] (b) MOV [SI+500H], EDX (c) MOV [BP+SI+10], AL

Q4/ **Choose the correct answer from the following:**

1. If SP=2420, what is the first offset address location of the stack that is available to push data into:

a- 2421. b- 241f. c- 2419. d- 2420

2. The segment that will be accessed in the protected mode of 80386Mp are

a-4Kbyte to 4Gbyte. b-10 to 20 Mbytes. c-20 to 30 Mbytes. d-30 to 40 Mbytes.