B

Q1/Assume that SP = FFA0H, AX = FH, BX = A3CH, and CX = 303H 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 DH, E4H MOV DL, 30H ADD DX, 36CFH

Q3/Suppose that DS = 120FH, SS = 1000H, EAX = 00001000H, EBX = 0000200DH, ECX = 00003000H, BP = 1200H, and SI = 1550H. 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. The segments in 80386 real mode:  
 a- Overlapped. b- over and non-overlapped. c- non-overlapped. d- None of the mentioned.

2. The size of the physical memory capacity of 80386 is:

a-1M. b-4M. c-64K. d-4G.