D

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 DH, C9H MOV DL, 30H ADD DX, 36D0H.

Q3/Suppose that DS = 10EEH, SS = 9A00H, EAX = 00001000H, EBX = 0000900BH, ECX = 00003000H, BP = 03C0H, and SI = 0D50H. 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 size of the physical memory capacity of 80386 is:

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