C

Q1/Assume that SP = FFA1H, AX = AAH, BX = 1H, and CX = 202H 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, E430H ADD DH, DL.

Q3/Suppose that DS = 1A00H, SS = 5B00H, EAX = 00001000H, EBX = 0000100AH, ECX = 00003000H, BP = 0100H, and SI = 0250H. 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

Q3/ **Choose the correct answer from the following:**

1. MOV DS, 21ABH represent -------- instruction for the 8086 microprocessor

 a- Legal command. b- Illegal command. c-Not identified command. d-Can be true or false

2. The two units in the 8086up are:
 a- CU& PU. b- EU&CU. c- BIU&EU. d- BIU&PU.