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Started on Thursday, 11 November 2021, 2:22 PM

State Finished

Completed on Thursday, 11 November 2021, 2:25 PM

Time taken 2 mins 49 secs

Grade 6.00 out of 6.00 (100%)

Question **1**

Complete

Mark 1.00 out of 1.00

Determine the contents of register AL after the following instructions have executed:

MOV BL,8CH

MOV AL,7EH

ADD AL,BL

Select one:

- ☒ a. 0Ah (Carry flag is set)
- ☐ b. 0Ah (Carry flag is not set)
- ☐ c. A0h (Carry flag is set)
- ☐ d. None of the Above

Question **2**

Complete

Mark 1.00 out of 1.00

Identify the op-code for the instruction CMP CX,DX.

Select one:

- ☒ a. CMP
- ☐ b. CX
- ☐ c. DX
- ☐ d. None of the Above

Question **3**

Complete

Mark 1.00 out of 1.00

Identify the operand for the instruction `CMP CX,DX`.

Select one:

- ☐ a. `CMP`
- ☐ b. `CX`
- ☐ c. `DX`
- ☒ d. `B and C`

Question **4**

Complete

Mark 1.00 out of 1.00

The instruction sequence

`CMP BL,AL``JA 100H`

will transfer control to memory location 100H if:

Select one:

- ☐ a. None of the above
- ☒ b. `BL > AL`
- ☐ c. `BL = AL`
- ☐ d. `BL < AL`

Question **5**

Complete

Mark 1.00 out of 1.00

Which instruction below loads register `BX` with the data 1000H?

Select one:

- ☒ a. `MOV BX, 1000H`
- ☐ b. `ADD BX,1000H`
- ☐ c. `MOV [1000H],BX`
- ☐ d. `MOV BX,[1000H]`

Question **6**

Complete

Mark 1.00 out of 1.00

Which instruction loads register BX with the contents of memory location 1000H?

Select one:

- ☒ a. MOV BX,[1000H]
- ☐ b. ADD BX,1000H
- ☐ c. MOV [1000H],BX
- ☐ d. MOV BX, 1000H

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