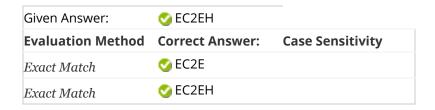
Grade Test: FINAL EXAM

Assign a grade and feedback for the current test attempt. Expand the **Test Information** section to clear the student's attempt or edit the test. More Help

Hide User Names Jump to... **Test Information QUESTION 1: ORDERING** 0 out of 0 points Please order the following code for storing FABCH into the AX register. Correct Answer Given Answer ^{SOM} MOV CX,1003H

^{SOM} MOV CX,100 ³ 2. ADD CX,EABBH
³ 2. ADD CX,EABBH [⋘]3. MOV CX,AX ³ MOV CX,AX QUESTION 2: FILL IN THE BLANK out of 10 points 10 If $\mathbf{SS} = \mathbf{EFD3H}$ and the physical address of the stack is $\mathbf{FE95EH}$

What is the value of SP?



QUESTION 3: CALCULATED NUMERIC

out of 10 points 10

In an 8-bit signed CPU, what is the binary value or -75?

Hint: Remember two's complement. Write an 8bit number with 8 di gits. (i.e. 111010101 etc.)

Given Answer:

3 10110101

Correct Answer: 0 10,110,101

Answer range +/- 0 (10110101 - 10110101)

QUESTION 4: CALCULATED NUMERIC

out of 10 points 10

- 1) MOV AX,45H
- 2) MUL DX
- 3) MOV BL,03H
- 4) INC BL
- 5) MUL BX
- 6) SUB BX, BX
- 7) MOV DX,0CC1H



- 8) MOV CX,1
- 9) MUL CX

What is the final value of BX in decimal (Do not use H suffix in the answer!)?

Given Answer:

0

Correct Answer: 000

Answer range +/- 0 (0 - 0)

QUESTION 5: MULTIPLE CHOICE

out of 10 points 10

ADD BH, 7BH

MOV BL, 4AH

MOV BL, 4AH

Correct Answer: **⊘** MOV BH,85H ADD BH, 7BH

QUESTION 6: ORDERING

10

out of 10 points

Please order the assembly codes to obtain a code that performs an identical task with the following C-like code.

```
dx=0;
for(cx=7; cx < 18; cx+=3) {
    bx=cx+ax;
    ax=ax+7;
    dx=ax+2;
}</pre>
```

```
Correct Answer
```

Given Answer

mov dx,0
mov cx,7

mov dx,0
mov cx,7

iteration: cmp cx,18 iteration: cmp cx,18
jge the_end jge the_end

omov bx,cx

o mov bx,cx

3. add bx,ax

3. add bx,ax

🔇 add ax,7

d ax,7

4. mov dx,ax

add dx, 2

mov dx,ax add dx, 2

add cx,3

- add cx,3
- jmp iteration the end:ret
- jmp iteration the end:ret

QUESTION 7: MULTIPLE CHOICE

out of 10 points 10

The Address bus in 8086 is



Given Answer: 👩 20-bit

Correct Answer: 20-bit

QUESTION 8: CALCULATED NUMERIC

10

out of 10 points

How many bits required at least for representing the following hexadecimal number?

8A00BFFD4780F3A

Given Answer:

60

Correct Answer: 5 60

Answer range +/- 0 (60 - 60)

QUESTION 9: FILL IN THE BLANK

10

out of 10 points



Convert following ASCII code into text.

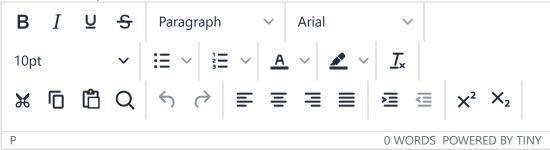
	Notes:			
	The code numbers are decimal! Do not use spaces between characters in your answer! The answer is case sensitive!			
	Example:			
	ASCII code:			
	79 107			
	Answer:			
	Ok			
	Given Answer: 🚫 Happy			7
	Evaluation Method Correct Answer		-	
	Exact Match 🕜 Happy	Case Sens	sitive	
)UE	STION 10: TRUE/FALSE		20	out of 20 points
	This course is about writing assembly architecture?	programs in x86	6 CPU	
Ø	Hint: Correct answer is True .			
	Given Answer: True			
	Correct Answer: 🤡 True			
	DBACK AND NOTES FOR ATTEMPT			
FFC				
EEC				ngs to enable
Thi	is feedback won't show to the user. Upd edback.	late your Test Qu	Jestion Setti	ings to chabic

ASCII code:



Grading Notes

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).



Exit

Save and Exit

Save and Next