Due Oct 2 at 3:59pm	Points 35	Questions 35	Available until Oct 2 at 3:59pm
Time Limit 360 Minutes	Allowed A	Attempts 2	

## Instructions

There's a six-hour time limit.

Take the Quiz Again

## Attempt History

Correct!

		Time	Score
LATEST A	ttempt 1	53 minutes	29 out of 35

Score for this attempt: **29** out of 35 Submitted Oct 2 at 2:32pm This attempt took 53 minutes.

	Question 1	1 / 1 pts
	Three hexadecimal digits can be used to represent 12 binary bits.	
Correct!	True	
	○ False	

Question 2	1 / 1 pts
The expression $\overset{\times}{\vee} \overset{\vee}{\vee}$ is only true when X and Y are both true.	
○ True	
False	

Question 3	1 / 1 pts
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	A signed integer stores the sign in the least significant bit (LSB).	
	○ True	
Correct!	False	
	Question 4	1 / 1 pts
	If an integer's sign bit is 1, the integer is positive.	
	○ True	
Correct!	False	
	Question 5	1 / 1 pts
	A word (on x86 systems) is 16 bits.	
Correct!	True	
	○ False	
	Question 6	1 / 1 pts
	A signed byte can be equal to +127.	
Correct!	True	
	○ False	
	Question 7	1 / 1 pts

	Which list contains the correct hexadecimal translation (in order) of the f decimal integers? 33, 95, 257	ollowing unsigned	_		
	21, 62, 103			Question 11	1 / 1 pts
Correct!	① 21, 5F, 101			The ASCII codes for alphabetic letters are smaller	than for decimal digits.
	○ 6A, 5F, 101				
	22, 5E, 11A		Correcti	False	
			_		
	Question 8	1 / 1 pts		Question 12	1 / 1 pts
	A doubleword (on x86 systems) is 32 bits.			How many bits are used by Unicode characters in	MS-Windows?
Correct!	True			8	
	False		Correct!	<ul><li>16</li></ul>	
				O 7	
	Question 9	1 / 1 pts		O 24	
	A quadword is 4 bytes.		L		
	○ True			Question 13	0 / 1 pts
Correct!	False			A program that combines object files into an execu	utable program is called a
			You Answered	compiler	
	Question 10	1 / 1 pts		assember	
	Is the expression $X \vee (Y \wedge Z)$ equivalent to $(X \vee Y) \wedge (X \vee Z)$	Z) for all possible	correct Answer	linker	
Correct!	inputs of X, Y, and Z?			Oloader	
OOHEGE	True		L		
	○ False			Question 14	1 / 1 pts

	What is the largest signed integer that may be stored in 32 bits?	
Correct!	<ul><li>② 2<sup>31</sup> - 1</li></ul>	
	O 2 <sup>31</sup>	
	O 2 <sup>32</sup> - 1	
	○ 2 <sup>32</sup>	
	Question 15	1 / 1 pts
	What is the largest unsigned integer that may be stored in 24 bits?	
	O 1,048,576	
	O 65,536	
Correct!	<ul><li>16,777,215</li></ul>	
	O 32,767	
	Question 16	1 / 1 pts
	Which two 32-bit registers are known as extended index registers?	
	○ EBP, ESP	
Correct!	ESI, EDI	
	○ EAX, EBX	
	○ SI, DI	

Question 17

1 / 1 pts

	High-speed memory that reduces the frequency of access by the CPU to conventional memory is called				
	o local memory				
	system memory				
	virtual memory				
Correct!	cache memory				
	Question 18	1 / 1 pts			
	The four parts of a CPU are:				
	data bus, memory unit, control unit, arithmetic logic unit				
	address bus, registers, control unit, arithmetic logic unit				
	Clock, memory unit, control unit, instruction fetch unit				
correct!	clock, registers, control unit, arithmetic logic unit				
	Question 19	1 / 1 pts			
	If you wanted to find out whether an integer contained an even number of 1 bits, flag would be useful?	which status			
	sign				
	overflow				
correct!	parity				
	Саггу				

	Question 20	1 / 1 pts		
	During which phase of the instruction execution cycle is the program counter inc	cremented?	Correct!	-
	execute			
	decode			
Correct!	fetch			Q
	operand fetch			Н
	Question 21	0 / 1 pts	Correct!	_
	Which flag is set when an unsigned value is too large to fit into a destination ope	erand?		
	sign			
You Answered	overflow			
				Q
	red flag			
	checkered			Т
orrect Answer	carry			
	auxiliary carry			
	2.2.2		Correcti	—
	Question 22	1 / 1 pts		Q
_	List the three primary steps of the instruction execution cycle, in sequential orde	r.		Sı
	fetch, decode, memory write			ho

	fetch, memory read, execute	
et!	fetch, decode, execute	
	decode, fetch, execute	
	Question 23	1 / 1 pts
	How much memory can be addressed in Protected mode?	
	○ 16MB	
t!	● 4GB	
	○ 1MB	
	○ 640K	
	Question 24	1 / 1 pts
	The three types of buses connected to the CPU are:	
	odata, system, address	
	address, control, memory	
	fetch-decode, control, execution	
:1	data, address, control	
	Question 25	0 / 1 pts
	Suppose that you are given the following program. What decimal value do hold when someProcedure is called??	es the AX register
	.data	

	Question	26	1 / 1 pts
L			
Correct Answer	9562		
You Answered	<ul><li>3790</li></ul>		
	9037		
	2307	7	
	END MAIN		
	main ENDP		
	exit	LDA	
	mov EBX		
	inc EAX		
	call some	Procedure	
	mov AL,		
	mov AH,	V	
	.code main PROC		
	z BYTE	90	
	y BYTE		

Correct!

Question 27	1 / 1 pts
The EQU directive permits a constant to be redefined at any point in a program.	

	○ True	
Correct!	False	
L		
	Question 28	0 / 1 pts
	The following sequence of statements is invalid:	
	.code	
	mov eax,edx .data	
	myByte BYTE 10	
	.code	
	mov al,myByte	
u Answered	True	
rect Answer	○ False	
	Question 29	1 / 1 pts
	Given the following array definition, which letter choice contains a valid	
	newArray DWORD 10,20,30,40,50	
	ArrayCount = newArray - \$	
	ArrayCount = (newArray - \$) - 4	
Correct!	ArrayCount = (\$ - newArray) / 4	
	ArrayCount DWORD \$ - newArray	
	Question 30	1 / 1 pts

	An identifier may begin with a digit.		
	○ True		
Correct!	• False		
L			
	Question 31	0 / 1 pts	
	The following is a valid identifier: AB62-\$		
You Answered	True		
correct Answer	○ False		
L			
	Question 32	1 / 1 pts	
	In the AddSub program in Section 3.2, the exit statement calls which predefined MS-Windows function to halt the program?		
Correct!	ExitProcess		
	○ HaltProgram		
	OS_Return		
	○ Exit_Program		
L			
	Question 33	1 / 1 pts	
	The following is a valid data definition statement:  str1 \ BYTE "This string is quite long!",0		
Correct!	True		

	○ False				
	Question 34	0 / 1 pts			
	Which directive identifies the part of a program containing instructions?				
	net				
	○ .prog				
	.stack				
ou Answered	.data				
	product				
orrect Answer	○ .code				
L					
	Question 35	1 / 1 pts			
	Which of the following are valid data definition statements that create an array of unsbytes containing decimal 10, 20, and 30, named myArray?	signed			
	O BYTE myArray 10, 20, 30				
	O BYTE myArray[3]: 10, 20,30				
Correct!	• myArray BYTE 10, 20, 30				

Quiz Score: 29 out of 35