

Question 5

Not yet answered

Marked out of 1

Flag question

What is the voltage for IO output for a "ON" signal?

Select one:

- ☐ a. Between 0V to 5V
- ☒ b. None of the answers
- ☐ c. 2.5V
- ☐ d. All of the answers
- ☐ e. Between 2.5V to 3.3V
- ☐ f. Between 2.5V to 5V

Question 6

Not yet answered

Marked out of 1

Flag question

Moore's law has accurately predicted the growth rate in the number of transistors per die for the last 40 years. What is that rate?

Select one:

- ☒ a. Doubling every 18 - 24 months
- ☐ b. Doubling every 18 - 24 hours
- ☐ c. Doubling every 6 months
- ☐ d. Doubling every 36 months
- ☐ e. Doubling every 18 - 24 weeks

Question 7

Not yet answered

Marked out of 1

Flag question

The number of bits in a double word are:

Select one:

- ☒ a. 32
- ☐ b. 16
- ☐ c. 4
- ☐ d. 8
- ☐ e. 2

Question 8

Not yet answered

Marked out of 1

☐ Flag question

Given:

AX=FFE0 BX=3534 CX=0000 DX=0180 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=010F NV UP EI NG NZ NA PO NC

1D72:010F 7D18 JGE 0128

How many bytes in decimal will the processor jump if the conditions for a jump are met?

Select one:

- ☐ a. 10F
- ☒ b. 24
- ☐ c. 10D
- ☐ d. 18
- ☐ e. 115

Question 9

Not yet answered

Marked out of 1

Flag question

12 hexadecimal would be what value in decimal?

Select one:

- ☐ a. 36
- ☐ b. 0C
- ☐ c. 12
- ☒ d. 18
- ☐ e. 24

Question 11

Not yet answered

Marked out of 1

Flag question

How many address lines would be required to address 64 MB directly?

Select one:

- ☐ a. 512
- ☐ b. 20
- ☒ c. 26
- ☐ d. 256
- ☐ e. 64
- ☐ f. 24

Question 12

Not yet answered

Marked out of 1

Flag question

If you have a ADC that has a bit resolution of 12-bits. What range would it represent?

Select one:

- ☐ a. 0 to 2048
- ☐ b. 0 to 2047
- ☐ c. 0 to 4096
- ☒ d. 0 to 4095

Question 13

Not yet answered

Marked out of 1

Flag question

Given:

AX=0353 BX=0534 CX=0000 DX=0180 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=0109 OV UP EI PL NZ NA PO CY
ID72:0109 7D06 JGE 0118

What will the IP value be after a "i" command is executed in DOS Debug?

Select one:

- ☐ a. 0110
- ☐ b. 010A
- ☐ c. 1D72
- ☒ d. 0108
- ☐ e. 0118

Question 14

Not yet answered

Marked out of 1

Flag question

What function is called in Arduino to make sure that the 10-bit ADC range fits within the 8-bit PWM range.

Select one:

- ☐ a. scale()
- ☐ b. None of the above
- ☐ c. analogRead()
- ☒ d. map()

Question 15

Not yet answered

Marked out of 1

Flag question

The ASCII codes for space, space, carriage return, line feed, end of string in decimal are:

Select one:

- ☐ a. SP, SP, CR, LF, \$
- ☐ b. 20, 20, 0D, 0A 24
- ☒ c. 32, 32, 13, 10, 36
- ☐ d. 20, 20, D0, A0 24
- ☐ e. 0D, 30, 20, 20, 24

Question 16

Not yet answered

Marked out of 1

Flag question

What is an example of a pre compiler statement?

Select one:

- ☒ a. All of the answers
- ☐ b. A Macro
- ☐ c. #define
- ☐ d. #include

Question 18

Not yet answered

Marked out of 1

Flag question

How many bits would be required to count from 0 to 255?

Select one:

- ☐ a. 6
- ☐ b. 4
- ☐ c. 256
- ☒ d. 8
- ☐ e. 7
- ☐ f. 128

Question 19

Not yet answered

Marked out of 1

Flag question

What library do we call for I2C in Arduino?

Select one:

- ☒ a. Wire Library
- ☐ b. None of the answers
- ☐ c. I2C library
- ☐ d. Communication Library
- ☐ e. Protocols Library

Question 20

Not yet answered

Marked out of 1

Flag question

What is the hexadecimal encoding for "JMP" for a jump back 12 bytes?

Select one:

- ☐ a. EBF6
- ☐ b. EBFA
- ☐ c. EBF2
- ☐ d. EB12
- ☒ e. EBF4

Question 21

Not yet answered

Marked out of 1



In x86 architecture, BIU stands for which of the following?

Select one:

- ☐ a. Best Integration Unit
- ☒ b. Bus Interface Unit
- ☐ c. Best Interface User
- ☐ d. Best Interface Unit
- ☐ e. Bus Integrated Unit

Question 22

Not yet answered

Marked out of 1

Flag question

Which of the following Debug commands would set a break point at memory location 010C?

Select one:

- ☒ a. G = 100 10C
- ☐ b. B = 100 10C
- ☐ c. B 0C10
- ☐ d. G = 010C
- ☐ e. G 010C
- ☐ f. G [010C]

Question 23

Not yet answered

Marked out of 1



What is the hexadecimal encoding for "JGE" for a jump from IP address 010C to IP address 114 bytes?

Select one:

- ☐ a. 7DF2
- ☒ b. 7D06
- ☐ c. 7DFA
- ☐ d. 7DF4
- ☐ e. 7D04

Question 24

Not yet answered

Marked out of 1

Flag question

What high level language(s) is(are) the propeller programmed in?

Select one:

- ☐ a. All of the selections
- ☐ b. Assembly
- ☒ c. C and Spin
- ☐ d. Machine and SX code
- ☐ e. C# and Visual Basic
- ☐ f. Java and Java script

Question 25

Not yet answered

Marked out of 1

Flag question

On the Arduino platform, which of the following is (are) a benefit(s)?

Select one:

- ☒ a. Rapid prototyping and ready to use
- ☐ b. being able to scale up
- ☐ c. all of the answers
- ☐ d. cost

Question 26

Not yet answered

Marked out of 1

**Given:**

0B0E:0200 57 65 6C 63 6F 6D 65 20-74 6F 20 41 73 73 65 6D

0B0E:0210 62 6C 79 20 4C 61 6E 67-75 61 67 65 00 00 00 00

An ASCII message begins at memory location 0200, what is the message?

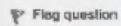
Select one:

- ☐ a. Have a great weekend break !
- ☐ b. Welcome to the first midterm
- ☐ c. Welcome to the first day of the exam
- ☐ d. Welcome to the first exam
- ☒ e. Welcome to Assembly Language

Question 27

Not yet answered

Marked out of 1

**Given:**

AX=FF00 BX=3534 CX=0000 DX=0180 SP=FF00 BP=0000 SI=0000 DI=0000

DS=1072 ES=1072 SS=1072 CS=1072 IP=010D NV UP EI NG NZ NA PO NC

1072:010D EB07 JMP 0114

How many bytes will the processor jump if the conditions for a jump were met?

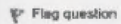
Select one:

- ☐ a. 2
- ☐ b. 114
- ☐ c. 10F
- ☐ d. 10D
- ☒ e. 7

Question 28

Not yet answered

Marked out of 1



What is the voltage for IO output for a "ON" signal?

Select one:

- ☐ a. Between 0V to 5V
- ☐ b. Between 2.5V to 3.3V
- ☐ c. 2.5V
- ☒ d. Between 3.3V to 5V
- ☐ e. All of the answers
- ☐ f. None of the answers

Question 29

Not yet answered

Marked out of 1

Flag question

Given:

AX=FFFF BX=3534 CX=0000 DX=0180 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=0109 OV UP EI PL NZ NA PO CY
1D72:0109 7D06 JGE 0118

What is the signed decimal value of the number in the AX register?

Select one:

- ☐ a. 118
- ☐ b. 108
- ☐ c. 111
- ☐ d. 16
- ☐ e. -10
- ☒ f. -16

Question 30

Not yet answered

Marked out of 1

Flag question

In adding 3 + 3 through a 4 bit integer unit. The state of the OF and CF flags after the add instruction would be:

Select one:

- ☐ a. OF = 0, CF = 1
- ☐ b. OF = 0, CF = 0, ZF = 0
- ☒ c. OF = 0, CF = 0
- ☐ d. OF = 1, CF = 0
- ☐ e. OF = 1, CF = 1

Question 31

Not yet answered

Marked out of 1

Flag question

What is an infinite loop?

Select one:

- ☐ a. A loop that runs once
- ☐ b. A loop that runs till a given condition
- ☐ c. A loop that runs till an input is given
- ☒ d. A loop that runs forever

Question 32

Not yet answered

Marked out of 1

Flag question

In x86 architecture, ALU stands for which of the following?

Select one:

- ☐ a. Address Logic Unit
- ☐ b. A Logic User
- ☐ c. All Logic Unit
- ☒ d. Arithmetic Logic Unit
- ☐ e. Arithmetic Lining Unit

Question 33

Not yet answered

Marked out of 1

Flag question

What is the voltage resolution of the ADC? if it measures between 0V to 5V and is represented by the range 0 to 255.

Select one:

- ☐ a. about 10mV
- ☐ b. about 2mV
- ☒ c. about 20mV
- ☐ d. about 5mV

Question 34

Not yet answered

Marked out of 1

Flag question

What command in DEBUG would be used to execute interrupts without stepping through the interrupt instructions?

Select one:

- ☐ a. R
- ☒ b. P
- ☐ c. RIP
- ☐ d. RCS
- ☐ e. T

Question 35

Not yet answered

Marked out of 1

Flag question

How many cores does the propeller microcontroller have?

Select one:

- ☐ a. 2
- ☐ b. 4
- ☒ c. 8
- ☐ d. 16
- ☐ e. 32

Question 36

Not yet answered

Marked out of 1

Flag question

If your ADC can represent values of 0 to 1023. What is the bit resolution of the ADC?

Select one:

- ☒ a. 10-bit
- ☐ b. 8-bit
- ☐ c. 12-bit
- ☐ d. 16-bit

Question 37

Not yet answered

Marked out of 1

Flag question

What are the contents of DX after this program has been run:

MOV DX, 11h

MOV CX, [5512]

MOV BX, 5511h

SUB DX, [BX]

AND BX, FFFF

Memory location	Contents
5514	24
5513	D8
5512	00
5511	21
5510	00


Select one:

- ☐ a. 5511h
- ☐ b. -0010h
- ☐ c. 0010h
- ☒ d. FFF0h
- ☐ e. D800h

Question 38

Not yet answered

Marked out of 1

 Flag question**36 decimal would be what value in hexadecimal?**


Select one:

- ☐ a. 0C
- ☐ b. 36
- ☐ c. 18
- ☐ d. 12
- ☒ e. 24

Question 39

Not yet answered

Marked out of 1

 Flag question**Given:**

AX=FF00 BX=3534 CX=0000 DX=0180 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=0109 OV UP EI PL NZ NA PO CY
1D72:0109 7D06 JNL 0118

What is the signed decimal value of the number in the AX register?


Select one:

- ☐ a. -100
- ☒ b. -256
- ☐ c. 100
- ☐ d. 256
- ☐ e. 180

Question 41

Not yet answered

Marked out of 1

 Flag question**The instruction MOV CX, [DADD] is what addressing mode?**


Select one:

- ☐ a. Immediate
- ☒ b. Direct
- ☐ c. Scaled Index
- ☐ d. Register Indirect
- ☐ e. Register

Question 42

Not yet answered

Marked out of 1

 Flag question**What is the voltage for IO output for an "OFF" signal?**

Select one:

- ☐ a. All of the answers
- ☐ b. Between 0V to 5V
- ☐ c. Between 2.5V to 3.3V
- ☐ d. Between 3.3V to 5V
- ☒ e. None of the answers
- ☐ f. Around 1V

Question 43

Not yet answered

Marked out of 1

Flag question

How many address lines would be required to address 128 MB directly?

Select one:

- ☐ a. 24
- ☐ b. 127
- ☐ c. 20
- ☒ d. 27
- ☐ e. 26
- ☐ f. 128

Question 44

Not yet answered

Marked out of 1

Flag question

If you wanted to examine the data from a I2C bus what tool would you use on the Analog Discovery?

Select one:

- ☐ a. None of the answers
- ☐ b. Scope
- ☒ c. Logic
- ☐ d. Network
- ☐ e. Logger

Question 45

Not yet answered

Marked out of 1

Flag question

If you have a ADC that has a bit resolution of 6-bits. What range would it represent?

Select one:

- ☐ a. 0 to 47
- ☐ b. 0 to 64
- ☒ c. 0 to 63
- ☐ d. 0 to 48

Question 46

Not yet answered

Marked out of 1

Flag question

The instruction MOV CX, DADD is what addressing mode?

Select one:

- ☐ a. Register
- ☒ b. Immediate
- ☐ c. Scaled Index
- ☐ d. Register Indirect
- ☐ e. Direct

Question 47

Not yet answered

Marked out of 1

Flag question

The ASCII codes for space, space, carriage return, line feed, end of string in hexadecimal are:

Select one:

- ☐ a. SP, SP, CR, LF, \$
- ☒ b. 20, 20, 0D, 0A 24
- ☐ c. 20, 20, D0, A0 24
- ☐ d. 0D, 30, 20, 20, 24
- ☐ e. 32, 32, 13, 10, 36

Question 48

Not yet answered

Marked out of 1

Flag question

The acronym PWM used in the Parallax Propeller and MicroChip PIC, is defined as:

Select one:

- ☒ a. Pulse Width Modulation
- ☐ b. Poor Wonderer Manipulator
- ☐ c. Parallel Wide Manipulator
- ☐ d. Parallel Width Manipulation
- ☐ e. Parallel Width Modulator

Question 49

Not yet answered

Marked out of 1

Flag question

AND'ing 1FH and 02H will result in which of the following?

Select one:

- ☒ a. 02
- ☐ b. 0
- ☐ c. 63
- ☐ d. 3F
- ☐ e. 16

Question 50

Not yet answered

Marked out of 1

Flag question

What is the hexadecimal encoding for adding BX with CX and storing the result in BX?

Select one:

- ☐ a. 01DA or 29DA
- ☐ b. DA29 or DA01
- ☒ c. 01CB or 03D9
- ☐ d. 03D9 or 03CB
- ☐ e. 01D8 or 02D9

Question 51

Not yet answered

Marked out of 1

Flag question

What is the voltage if a 10-bit ADC measures between 0V to 5V and has a value 150.

Select one:

- ☐ a. about 640mV
- ☐ b. about 250mV
- ☒ c. about 730mV
- ☐ d. about 120mV

Question 52

Not yet answered

Marked out of 1

Flag question

How many wires are used in the I2C protocol?

Select one:

- ☐ a. 4 Wire
- ☐ b. 3 Wire
- ☒ c. 2 Wire
- ☐ d. 1 Wire

Question 53

Not yet answered

Marked out of 1

Flag question

With this a short sequence of code: 7413EBA3CD167D213C04EBF0EB15. All of the instructions are a word long. The third instruction operator is:

Select one:

- ☐ a. JMP
- ☒ b. INT
- ☐ c. CMP
- ☐ d. JGE
- ☐ e. JNZ

Question 55

Not yet answered

Marked out of 1

Flag question

If you wanted to examine the Voltages from a I2C bus what tool would you use on the Analog Discovery?

Select one:

- ☒ a. Logger
- ☐ b. Scope
- ☐ c. Logic
- ☐ d. Network
- ☐ e. None of the answers

Question 56

Not yet answered

Marked out of 1

Flag question

How many address lines would be required to address 64 MB directly?

Select one:

- ☐ a. 127
- ☐ b. 24
- ☐ c. 27
- ☐ d. 128
- ☒ e. 26
- ☐ f. 64
- ☐ g. 20

Question 57

Not yet answered

Marked out of 1

Flag question

Determine the contents of register BL after the following instructions have been executed:

Program Listing
MOV BL, E2H
MOV CL, 04H
ROL BL, CL

Select one:

- ☐ a. 4Hex
- ☐ b. 2Hex
- ☒ c. 2EHex
- ☐ d. E2Hex
- ☐ e. 4EHex
- ☐ f. 2HE

Question 58

Not yet answered

Marked out of 1

Flag question

Which of the following DOS Debug instructions would be used to change the AX register to 010C?

Select one:

- ☐ a. `RBX = 100 10C`
- ☐ b. `RIP`
- ☐ c. `G=IP 010C`
- ☐ d. `RAX = 010C`
- ☒ e. `RAX`
- ☐ f. `RIP = [010C]`

Question 59

Not yet answered

Marked out of 1

Flag question

When should we use pointers?

Select one:

- ☐ a. None of the answers
- ☐ b. When you are trying to pass by reference
- ☐ c. When passing a large sized structure or data type
- ☒ d. All of the above
- ☐ e. Access certain address in memory

Question 60

Not yet answered

Marked out of 1

Flag question

The number of nibbles in a word are

Select one:

- ☐ a. 16
- ☐ b. 2
- ☐ c. 32
- ☒ d. 4
- ☐ e. 8

Question 61

Not yet answered

Marked out of 1

Flag question

What does I2C refer to?

Select one:

- ☐ a. None of the answers
- ☐ b. All of the answers
- ☐ c. Inter Integrated Communication Protocol
- ☒ d. Inter Integrated Circuit Protocol

Question 62

Not yet answered

Marked out of 1

Flag question

Which of the following are not true about pointers?

Select one:

- ☐ a. A pointer is a variable which contains the address in memory of another variable
- ☒ b. Are used when passing by value
- ☐ c. Are used when passing by reference
- ☐ d. Declaring a pointer variable should look like the following: `int * p`

Question 63

Not yet answered

Marked out of 1



Hex F2 in base 2 equals

Select one:

- ☐ a. -14
- ☐ b. -2
- ☐ c. F2
- ☐ d. -10
- ☐ e. 0010 1111
- ☒ f. 1111 0010
- ☐ g. 10

Question 65

Not yet answered

Marked out of 1

Flag question

The term "polling" refers to which of the following?

Select one:

- ☐ a. When a program asks the IO to give it information
- ☐ b. When a program determines if the IO is a input or output
- ☒ c. All of the answers
- ☐ d. When the program actively sampling the status of a IO

Question 66

Not yet answered

Marked out of 1

Flag question

AND'ing 10Hex and 2FHex will result in which of the following Hex numbers?

Select one:

- ☐ a. 63
- ☐ b. 16
- ☐ c. 45
- ☐ d. 3F
- ☒ e. 0

Question 67

Not yet answered

Marked out of 1

Flag question

If your ADC can represent values of 0 to255. What is the bit resolution of the ADC?

Select one:

- ☐ a. 16-bit
- ☐ b. 10-bit
- ☒ c. 8-bit
- ☐ d. 12-bit

Question 68

Not yet answered

Marked out of 1

Flag question

Which of the following is a setback(s) of the Arduino platform?

Select one:

- ☐ a. Scaling to larger design
- ☐ b. Structure of functions may not be as efficient
- ☐ c. Cost
- ☒ d. all of the answers

Question 69

Not yet answered

Marked out of 1

Flag question

In Lab 0 what tool from the Analog Discovery did we use to see the data from the UART?

Select one:

- ☐ a. Scope
- ☐ b. Network
- ☐ c. None of the answers
- ☒ d. Logic
- ☐ e. Logger

Question 70

Not yet answered

Marked out of 1

Flag question

The number of nibbles in a byte are:

Select one:

- ☐ a. 16
- ☐ b. 4
- ☐ c. 32
- ☒ d. 2
- ☐ e. 8

Question 71

Not yet answered

Marked out of 1

Flag question

In adding 5+5 through a 4 bit integer unit. The state of the OF and CF flags after the add instruction would be:

Select one:

- ☐ a. OF = 0, CF = 1
- ☐ b. OF = 0, CF = 0
- ☒ c. OF = 1, CF = 0
- ☐ d. OF = 0, CF = 0, ZF = 0
- ☐ e. OF = 1, CF = 1

Question 72

Not yet answered

Marked out of 1

Flag question

24 decimal would be what value in hexadecimal?

Select one:

- ☐ a. 0C
- ☐ b. 12
- ☐ c. 24
- ☐ d. 36
- ☒ e. 18

Question 73

Not yet answered

Marked out of 1

Flag question

Which of the following is (are) a benefit(s) of the Arduino platform?

Select one:

- ☐ a. Rapid prototyping and ready to use
- ☒ b. all of the answers
- ☐ c. Large Open Source Community
- ☐ d. Easy to implement functions

Question 74

Not yet answered

Marked out of 1

Flag question

What is the advantage of Assembly Language over C Language?

Select one:

- ☒ a. The Assembler creates much faster executable code
- ☐ b. C is transportable to other microprocessor architectures
- ☐ c. All the answers
- ☐ d. C does not need a compiler to be assembled in to an executable program.
- ☐ e. Hand assembly coding is much faster in C

Question 75

Not yet answered

Marked out of 1

Flag question

Which of the following Debug instructions would be used to change the IP register to 0110?

Select one:

- ☐ a. G=IP 0110
- ☐ b. RIP = [0110]
- ☐ c. RBX = 100 110
- ☒ d. RIP
- ☐ e. RAX
- ☐ f. RAX = 0110

Question 76

Not yet answered

Marked out of 1

Flag question

What is the number, 1010.0101_2 in decimal?

Select one:

- ☒ a. 10.31
- ☐ b. -10.31
- ☐ c. FF84
- ☐ d. A.5
- ☐ e. -A.5

Question 77

Not yet answered

Marked out of 1

Flag question

What would hexadecimal A6 equal in base 2.

Select one:

- ☒ a. 1010 0110
- ☐ b. 166
- ☐ c. 10 6
- ☐ d. A6
- ☐ e. -166
- ☐ f. 0110 1010

Question 78

Not yet answered

Marked out of 1

Flag question

A microprocessor with a 26-bit address bus could access how much memory?

Select one:

- ☐ a. 128 MB
- ☐ b. 256 MB
- ☐ c. 1 GB
- ☒ d. 64 MB
- ☐ e. 16 MB

Question 79

Not yet answered

Marked out of 1

Flag question

What is the voltage if a 12-bit ADC measures between 0V to 5V and has a value 1023.

Select one:

- ☐ a. about 1.0V
- ☐ b. about 0.5V
- ☐ c. about 0.75V
- ☒ d. about 1.25V

Question 80

Not yet answered

Marked out of 1

Flag question

What is the voltage resolution of the ADC? if it measures between 0V to 5V and has a 10-bit resolution.

Select one:

- ☐ a. about 2mV
- ☐ b. about 20mV
- ☐ c. about 10mV
- ☒ d. about 5mV

Question 81

Not yet answered

Marked out of 1

Flag question

When should we use pre compiler statements?

Select one:

- ☐ a. Remove blocks of code for debugging
- ☐ b. Create simple functions like `#define getmax(a,b) ((a)>(b)?(a):(b))`
- ☐ c. Create Constants
- ☒ d. All of the answers

Question 82

Not yet answered

Marked out of 1

Flag question

How many address lines would be required to address 1 MB directly?

Select one:

- ☒ a. 20
- ☐ b. 64
- ☐ c. 512
- ☐ d. 26
- ☐ e. 24
- ☐ f. 256

Question 83

Not yet answered

Marked out of 1

Flag question

Which of the following is a setback(s) of the Arduino platform?

Select one:

- ☒ a. Scaling to larger design
- ☐ b. Rapid prototyping and ready to use
- ☐ c. all of the answers
- ☐ d. Large Open Source Community

Question 84

Not yet answered

Marked out of 1



How many bytes are in a char?

Select one:

- ☐ a. 2 byte
- ☒ b. 1 byte
- ☐ c. None of the answers
- ☐ d. 4 byte

Question 85

Not yet answered

Marked out of 1

Flag question

What is the voltage for IO output for an "OFF" signal?

Select one:

- ☐ a. None of the answers
- ☐ b. Between 2.5V to 3.3V
- ☒ c. Around 0V
- ☐ d. Between 3.3V to 5V
- ☐ e. Between 0V to 5V
- ☐ f. All of the answers

Question 86

Not yet answered

Marked out of 1

Flag question

How many bytes are in an INT?

Select one:

- ☐ a. None of the answers
- ☒ b. 2 byte
- ☒ c. 4 byte
- ☒ d. a or b

Question 87

Not yet answered

Marked out of 1

Flag question

Given:

AX=FF00 BX=3534 CX=0000 DX=0180 SP=FF00 BP=0000 SI=0000 DI=0000

DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=0100 HV UP EI PL NZ NA PO NC

ID72:0100 7DF6 JNL 0116

How many bytes in decimal will the processor jump if the conditions for a jump were met?

Select one:

- ☐ a. -A
- ☐ b. -6
- ☐ c. -20
- ☒ d. -10
- ☐ e. 116
- ☐ f. 10
- ☐ g. 1111 0110

Question 88

Not yet answered

Marked out of 1

Flag question

What is the hexadecimal encoding for loading AX with a word (value) from memory location 0820h?

Select one:

- ☐ a. 8B162008
- ☐ b. A00820
- ☒ c. A12008
- ☐ d. 8A262008
- ☐ e. A10820

Question 89

Not yet answered

Marked out of 1

Flag question

If you want to use a INT software interrupt function to print a string out to the screen, what is the function code, start pointer, termination character, and interrupt you need to use?

Select one:

- ☐ a. ah = 0eh, ds:dx, "\$", 10h
- ☒ b. ah = 09h, ds:dx, "\$", 21h
- ☐ c. ah = 0eh, es:dx, ".", 10h
- ☐ d. ah = 10h, ds:dx, "\$", 21h
- ☐ e. ah = 09h, es:dx, ".", 10h

Question 90

Not yet answered

Marked out of 1

Flag question

On the Arduino platform, what is the programming language used?

Select one:

- ☐ a. Spin
- ☐ b. Java
- ☐ c. Arduino BASIC
- ☒ d. C
- ☐ e. C#
- ☐ f. F
- ☐ g. x86 assembly

Question 91

Not yet answered

Marked out of 1

Flag question

Using the Analog Discovery, What does AWG stand for?

Select one:

- ☐ a. Arbitrary Write Generator
- ☒ b. Arbitrary Wave Generator
- ☐ c. None of the answers
- ☐ d. Auto Write Generator

Question 92

Not yet answered

Marked out of 1

🚩 Flag question

Given:

AX=2247 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1D72 ES=1D72 SS=1D72 CS=1D72 IP=0106 NV UP EI NG NZ NA PE NC
1D72:0106 EB0F JMP 011F

What will the IP value be after a "t" command is executed in Debug?

Select one:

- ☐ a. 0106
- ☐ b. 0116
- ☐ c. 0108
- ☒ d. 011F
- ☐ e. 0118