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**Started on** Thursday, 11 July 2019, 12:19 AM

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**State** Finished

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**Completed on** Thursday, 11 July 2019, 12:22 AM

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**Time taken** 2 mins 4 secs

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**Grade** 50.00 out of 50.00 (100%)

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### Question 1

Correct

Mark 5.00 out of 5.00

BIOS INT 16H, service 12H returns AX = 0080H. Which key on the system keyboard is pressed?

Select one:

- ☒ a. Insert ✓
- ☐ b. Enter
- ☐ c. ESC
- ☐ d. None of the Above

The correct answer is: Insert

## Question 2

Correct

Mark 5.00 out of 5.00

The batch file command if errorlevel 3 goto input will transfer control to the input label:

Select one:

- ☐ a. Only if the errorlevel is equal to 3
- ☒ b. If the errorlevel is greater than or equal to 3 ✓
- ☐ c. If the errorlevel is less than 3
- ☐ d. None of the above

The correct answer is: If the errorlevel is greater than or equal to 3

### Question 3

Correct

Mark 5.00 out of 5.00

The instruction sequence below the outputs \_\_\_\_\_ consecutive bytes of memory, beginning at address \_\_\_\_\_, to I/O port \_\_\_\_\_.

Select one:

- ☒ a. 4096, DS:0300H, 200H ✓
- ☐ b. 2048, DS:0300H, 300H
- ☐ c. 4096, DS:0100H, 128H
- ☐ d. 1024, DS:0200H, 256H

The correct answer is: 4096, DS:0300H, 200H

#### Question 4

Correct

Mark 5.00 out of 5.00

To return an error code to DOS, use DOS INT \_\_\_\_\_ function 4CH with the error code in register \_\_\_\_\_.

Select one:

- ☐ a. None of the above
- ☒ b. 21h, AL ✓
- ☐ c. 21h, CL
- ☐ d. 21h, BL

The correct answer is: 21h, AL

## Question 5

Correct

Mark 5.00 out of 5.00

To save register BX on the stack, use the instruction \_\_\_\_\_,

Select one:

- ☒ a. PUSH BX ✓
- ☐ b. POP BX
- ☐ c. A and B
- ☐ d. None of the Above

The correct answer is: PUSH BX

## Question 6

Correct

Mark 5.00 out of 5.00

What is the DEBUG immediate mode command to input the byte from port 15H?

Select one:

- ☐ a. l15
- ☐ b. r15
- ☐ c. a15
- ☒ d. i15 ✓

The correct answer is: i15

## Question 7

Correct

Mark 5.00 out of 5.00

What single 80x86 instruction is equivalent to the following 80x86 instruction

sequence? Assume the direction flag is reset.

MOV AL, [SI]

INC SI

Select one:

- ☐ a. LODSW
- ☐ b. LODS
- ☒ c. LODSB ✓
- ☐ d. LODSD

The correct answer is: LODSB

## Question 8

Correct

Mark 5.00 out of 5.00

What value in the 80x86 instruction sequence that inputs data from port 57H, sets bits 6 and 7 without changing the other bits. and outputs this data back to the same port.

In AL, 57

Or AL, \_\_

Out 57, AL

Select one:

- ☐ a. 0Ch
- ☐ b. 08h
- ☒ c. C0h ✓
- ☐ d. 80h

The correct answer is: C0h



## Question 9

Correct

Mark 5.00 out of 5.00

When using DOS INT 21, function 0AH (buffered keyboard input), the first byte of the buffer represents:

Select one:

- ☐ a. The actual length of the buffer
- ☒ b. The maximum length of the buffer ✓
- ☐ c. the first character typed from the keyboard
- ☐ d. The start code for a string

The correct answer is: The maximum length of the buffer

## Question 10

Correct

Mark 5.00 out of 5.00

Which of the following I/O instructions are not invalid?

Select one:

- ☐ a. IN BL, AL
- ☐ b. OUT DX, 3CE0
- ☒ c. IN AL, DX ✓
- ☐ d. OUT 256, AL

The correct answer is: IN AL, DX

◀ Homework 4 Quiz

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Homework 6 Quiz ▶