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Started on Thursday, 11 November 2021, 2:46 PM

State Finished

Completed on Thursday, 11 November 2021, 2:47 PM

Time taken 46 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Complete

Mark 1.00 out of 1.00

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

Question **2**

Complete

Mark 1.00 out of 1.00

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

Question **3**

Complete

Mark 1.00 out of 1.00

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

```
CLD
MOV CX, 1000H
MOV DX, 200H
MOV SI, 300H
A1: LODSB
    OUT DX, AL
    LOOP A1
```

Select one:

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

Question **4**

Complete

Mark 1.00 out of 1.00

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

Select one:

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

Question **5**

Complete

Mark 1.00 out of 1.00

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

Question **6**

Complete

Mark 1.00 out of 1.00

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

Select one:

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

Question **7**

Complete

Mark 1.00 out of 1.00

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

Question **8**

Complete

Mark 1.00 out of 1.00

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

Question **9**

Complete

Mark 1.00 out of 1.00

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

Select one:

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

Question **10**

Complete

Mark 1.00 out of 1.00

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

Select one:

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

[◀ Quiz 4](#)[Quiz 6 ▶](#)