Cs501 Quiz(100% CORRECT)

Solved by Rizwan Qadeer (Riz Mughal)

Youtube link:

https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists

CS501:Semester Quiz # 01

Question # 2 of 10 (Start time: 12:06:41 PM, 09 August 2020)

_____ is the simplest form for representing a signed number

Select the correct option

- ○ Biased Representation
- ○ Diminished Radix Compliment Form
- ◉ Sign Magnitude Form
- ○ None of the given

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CS501:Semester Quiz # 01 Quiz

Question # 3 of 10 (Start time: 12:06:58 PM, 09 August 2020)

_____ signal is used in printer with DB-25 interface to reset its controller.

Select the correct option

- #PE
- #STROB
- #INIT
- #SLCT

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CS501:Semester Quiz # 01 Quiz Start Time: 12:06 PM, 09 Au

Question # 4 of 10 (Start time: 12:07:16 PM, 09 August 2020) Tota

A component connected to the system bus and having control of it during a particular bus cycle is called_____.

Select the correct option

- ○ Slave component
- ◉ Master component
- ○ System bus
- ○ Buffer component

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CS501:Semester Quiz # 01 Quiz Start Time:

Question # 5 of 10 (Start time: 12:07:36 PM, 09 August 2020)

Most parallel I/O ports used with peripheral devices are mapped on a range of_____.

Select the correct option

- ○ Bus addresses
- ○ Direct memory Access
- ● contiguous addresses
- ○ Cache

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CS501:Semester Quiz # 01

Question # 6 of 10 (Start time: 12:07:52 PM, 09 August 2020)

_____ is/are example(s) of synchronous communication.

Select the correct option

- [x] Register to Register
- [ ] Register to Memory
- [ ] Memory to Memory
- [ ] All of the given

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CS501:Semester Quiz # 01 Quiz

Question # 7 of 10 (Start time: 12:08:05 PM, 09 August 2020)

Taking control of the system bus for a few bus cycles is known as _____.

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Select the correct option

- ○ Bus Stealing
- ● Cycle Stealing
- ○ Cycle Transfering
- ○ None of given

CS501:Semester Quiz # 01 Quiz Start Time: 12

Question # 8 of 10 (Start time: 12:08:20 PM, 09 August 2020)

In a printer with DB-25 interface, _____ signal is is better for edge triggered systems.

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Select the correct option

- ○ BUSY#
- ○ PE#
- ● ACKNLG#
- ○ STROB#

CS501:Semester Quiz # 01 Quiz Start

Question # 9 of 10 (Start time: 12:08:37 PM, 09 August 2020)

For input ports, the incoming data should be placed on
the data bus only during the I/O read bus cycle. For this purpose, _____ are used.

RIZ MUGHAL

Select the correct option

- ○ Flip Flops
- ◉ Tri-state Buffers
- ○ AND Gates
- ○ Registers

CS501:Semester Quiz # 01 Quiz Start

Question # 10 of 10 (Start time: 12:08:54 PM, 09 August 2020)

How can you define an interrupt?

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Select the correct option

- ○ A process where an extern[illegible]ce can speedup the working of the microprocessor
- ○ A process where memory can speed up programs execution speed
- ● A process where an external device can get the attention of the microprocessor
- ○ A process where input devices can takeover the working of the microprocessor

2nd account

CS501:Semester Quiz # 01

Question # 1 of 10 (Start time: 12:20:08 PM, 09 August 2020)

ET = _____.

Select the correct option

- ○ CP x IC x T
- ● CPI x IC x T
- ○ CPI / IC x T
- ○ CPI x IC / T

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CS501:Semester Quiz # 01 Quiz Start Time: 12:2

Question # 2 of 10 (Start time: 12:20:59 PM, 09 August 2020)

In 8086/8088 processor, interrupt vector table is located at the memory location _____.

Select the correct option

- [x] 0
- [ ] 4
- [ ] 256
- [ ] 1024

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CS501:Semester Quiz # 01 Quiz Start

Question # 3 of 10 (Start time: 12:21:20 PM, 09 August 2020)

Every time you press a key, an interrupt is generated.
This is an example of

Select the correct option

- (●) Hardware interrupt
- ( ) Software interrupt
- ( ) All of the given
- ( ) None of the given

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CS501:Semester Quiz # 01 **Quiz Start Time: 1**

Question # 4 of 10 (Start time: 12:21:45 PM, 09 August 2020)

Most parallel I/O ports used with peripheral devices are mapped on a range of_____.

Select the correct option

○	Bus addresses
○	Direct memory Access
●	contiguous addresses
○	Cache

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CS501:Semester Quiz # 01 Quiz Start Time: 1

Question # 5 of 10 (Start time: 12:22:05 PM, 09 August 2020)

Which is the last instruction of the ISR that is to be executed when the ISR terminates?

Select the correct option

- [x] IRET
- [ ] IRQ
- [ ] INT
- [ ] NMI

CS501:Semester Quiz # 01 Quiz Start Time: 12:

Question # 6 of 10 (Start time: 12:22:22 PM, 09 August 2020)

How can you define an interrupt?

RIZ MUGHAL

Select the correct option

- ○ A process where an external device can speedup the working of the microprocessor
- ○ A process where memory can speed up programs execution speed
- ● A process where an external device can get the attention of the microprocessor
- ○ A process where input devices can takeover the working of the microprocessor

CS501:Semester Quiz # 01 Quiz Start Time: 12:20

Question # 7 of 10 (Start time: 12:22:40 PM, 09 August 2020)

A software routine performed when an interrupt is received by the computer is called as ---------

Select the correct option

- ○ Interrupt
- ◉ Interrupt handler
- ○ Exception
- ○ Trap

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CS501:Semester Quiz # 01 Quiz Start Tim

Question # 8 of 10 (Start time: 12:23:00 PM, 09 August 2020)

Why DMA is faster than Programmer I/O technique because?

Select the correct option

- ○ DMA transfers data directly using CPU.
- ● DMA transfers data directly without using CPU
- ○ DMA uses buffers with CPU
- ○ DMA uses interrupted driven I/O

Click to Save Answer

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CS501:Semester Quiz # 01 Quiz Start Ti

Question # 9 of 10 (Start time: 12:23:16 PM, 09 August 2020)

Given an m-digit base b number x, the _____ of x is

$$x^c = (b^m - x) \bmod b^m$$

Select the correct option

- [x] Radix Compliment
- [ ] Diminished Radix Compliment
- [ ] Signed Magnitude Form
- [ ] Biased Representation

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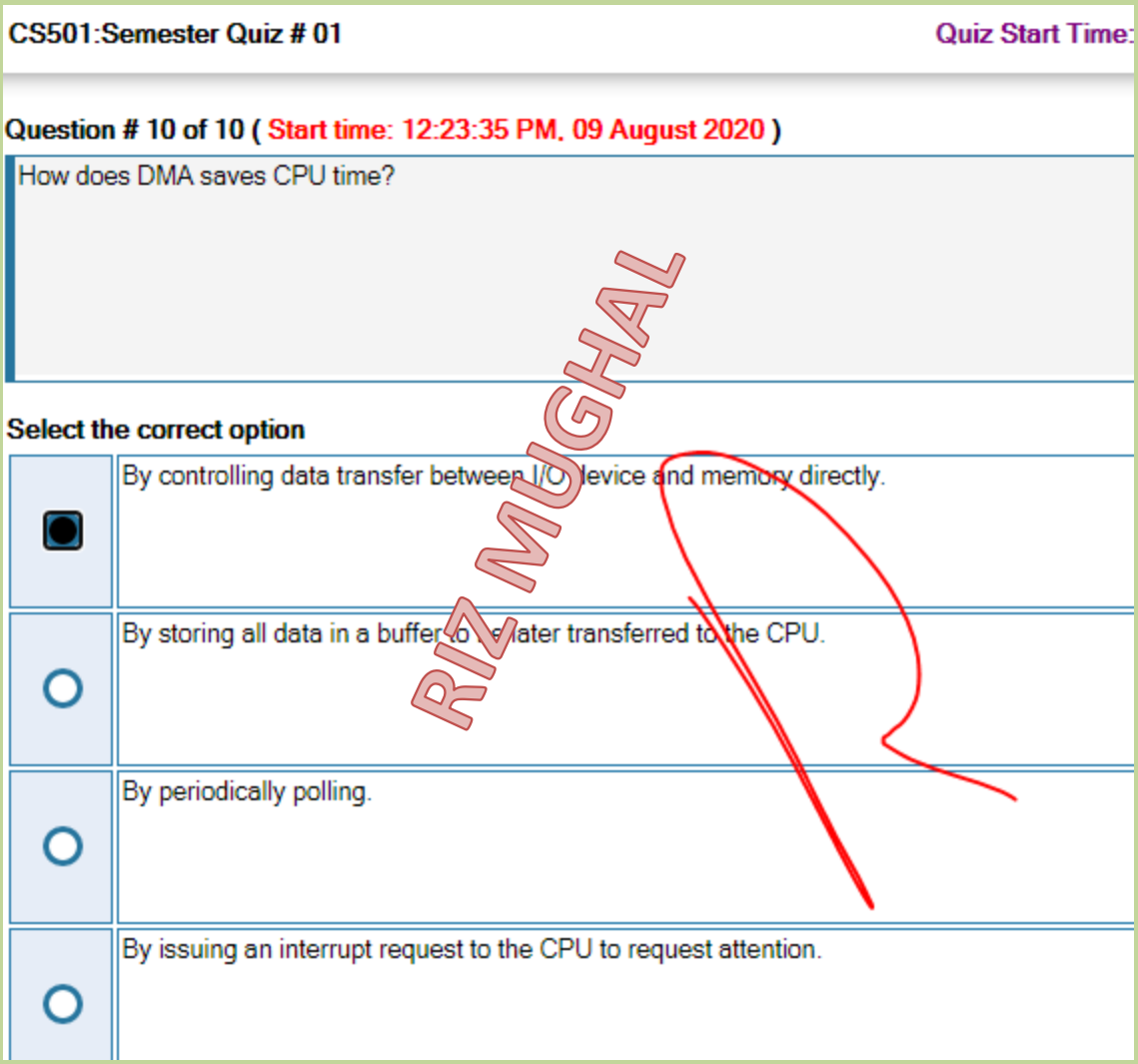
CS501:Semester Quiz # 01
Quiz Start Time:
Question # 10 of 10 (Start time: 12:23:35 PM, 09 August 2020)
How does DMA saves CPU time?
Select the correct option
By controlling data transfer between I/O device and memory directly.
By storing all data in a buffer to be later transferred to the CPU.
By periodically polling.
By issuing an interrupt request to the CPU to request attention.
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3rd account

CS501:Semester Quiz # 01 Qu

Question # 1 of 10 (Start time: 12:26:20 PM, 09 August 2020)

Select the parts of a hard disk.

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Select the correct option

- ○ Header only
- ○ Data section and a trailer
- ○ Data section only
- ◉ Header, data section and a trailer.

CS501:Semester Quiz # 01 Quiz Start Time

Question # 2 of 10 (Start time: 12:26:37 PM, 09 August 2020)

---------- allows a peripheral to read and write memory without intervention by the CPU.

Select the correct option

- ○ Programmed I/O
- ○ Interrupt driven I/O
- ● Direct memory access(DMA)
- ○ Polling

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CS501:Semester Quiz # 01 Quiz Start Tim

Question # 3 of 10 (Start time: 12:26:54 PM, 09 August 2020)

The Pentium does allow the use of some part of its _____ accumulator register EAX

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Select the correct option

- ○ 8 bits
- ○ 16 bits
- ● 32 bits
- ○ 64 bits

CS501:Semester Quiz # 01 Quiz Start Time: 12:2

Question # 4 of 10 (Start time: 12:27:07 PM, 09 August 2020)

For input ports, the incoming data should be placed on the data bus only during the I/O read bus cycle. For this purpose, _____ are used.

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Select the correct option

- ○ Flip Flops
- ◉ Tri-state Buffers
- ○ AND Gates
- ○ Registers

CS501:Semester Quiz # 01 Quiz Start Time: 12:26 PM, 09 August 2

Question # 5 of 10 (Start time: 12:27:26 PM, 09 August 2020) Total Mark

A component connected to the system bus and having control of it during a particular bus cycle is called_____.

RIZ MUGHAL

Select the correct option

- ○ Slave component
- ◉ Master component
- ○ System bus
- ○ Buffer component

CS501:Semester Quiz # 01 Quiz Start Time: 12:26 PM, 09 Augus

Question # 6 of 10 (Start time: 12:27:44 PM, 09 August 2020) Total M

Which I/O technique will be used by a sound card that may need to access data stored in the computer's RAM?

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Select the correct option

- ○ Programmed I/O
- ○ Interrupt driven I/O
- ● Direct memory access(DMA)
- ○ Polling

CS501:Semester Quiz # 01 Quiz Start Time: 12:26 PM, 09 August 2020

Question # 7 of 10 (Start time: 12:28:01 PM, 09 August 2020) Total Marks: 1

In the little-endian format exchanging data between computers, the data transmitted by one will be received in a "swapped" form by the other.

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Select the correct option

- ○ Organized
- ○ Signals
- ● Swapped
- ○ Arranged

CS501:Semester Quiz # 01 **Quiz Start Time: 12:26 PM, 09 August 202**

Question # 8 of 10 (Start time: 12:28:19 PM, 09 August 2020) **Total Marks:**

A computer interface is an _____ circuit that matches the requirements of the two subsystems between which it is connected

Select the correct option

- ○ Digital
- ◉ Electronic
- ○ Primary
- ○ Obituary

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CS501:Semester Quiz # 01 **Quiz Start Time: 12:26 PM, 09 August 2020**

Question # 9 of 10 (Start time: 12:28:35 PM, 09 August 2020) **Total Marks:** 1

In which one of the following methods for resolving the priority, the device with the highest priority is placed in the first position, followed by lower-priority devices up to the device with the lowest priority, which is placed last in the series?

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Select the correct option

- ○ Asynchronous
- ● Daisy-Chaining Priority
- ○ Parallel
- ○ Semi-synchronous

CS501:Semester Quiz # 01 Quiz Start Time: 12:26 PM, 09 August 2020

Question # 10 of 10 (Start time: 12:28:52 PM, 09 August 2020) Total Marks:

Every interrupt handler has an interrupt return (IRET) instruction, this instruction is an example of _____ return.

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Select the correct option

- NEAR
- FAR
- SHORT
- RELATIVE

4th account

CS501:Semester Quiz # 01

Quiz Start Time: 12:35 PM, 09 Aug

Question # 2 of 10 (Start time: 12:36:11 PM, 09 August 2020) Tota

A software routine performed when an interrupt is received by the computer is called as ---------

Select the correct option

- ○ Interrupt
- ● Interrupt handler
- ○ Exception
- ○ Trap

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CS501:Semester Quiz # 01 Quiz Start Time: 12:35 PM, 09 August 2

Question # 3 of 10 (Start time: 12:36:29 PM, 09 August 2020) Total Mar

Identify the following type of serial communication error condition:
"The prior character that was received was not still read by the CPU and is over written by a new received character."

Select the correct option

- ○ Framing error
- ○ Parity error
- ● Overrun error
- ○ Under-run error

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CS501:Semester Quiz # 01 Quiz Start Time: 12:3

Question # 4 of 10 (Start time: 12:36:47 PM, 09 August 2020)

Taking control of the system bus for a few bus cycles is known as _____.

Select the correct option

- ○ Bus Stealing
- ◉ Cycle Stealing
- ○ Cycle Transfering
- ○ None of given

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CS501:Semester Quiz # 01 Quiz Start Time: 12:35 PM

Question # 5 of 10 (Start time: 12:37:01 PM, 09 August 2020)

What is the status of the ACKNLG# signal when a character is completely received by the printer?

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Select the correct option

- It goes from low to high
- It goes from high to low
- It toggles its state
- It remains unaffected

CS501:Semester Quiz # 01 Quiz Start Time: 12:35 PM, 09 A

Question # 6 of 10 (Start time: 12:37:16 PM, 09 August 2020) To

How can you define an interrupt?

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Select the correct option

- ○ A process where an external device can speed up the working of the microprocessor
- ○ A process where memory can speed up programs execution speed
- ● A process where an external device can get the attention of the microprocessor
- ○ A process where input devices can takeover the working of the microprocessor

CS501:Semester Quiz # 01 Quiz Star

Question # 7 of 10 (Start time: 12:38:45 PM, 09 August 2020)

How Interrupt driven I/O is better than polling because?

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Select the correct option

- ○ Interrupt driver I/O is easy to design.
- ○ Interrupt driver I/O is enhanced version of polling.
- ◉ Interrupt driver I/O does not waste time on checking which device is available.
- ○ Interrupt driven I/O is easy to program.

CS501:Semester Quiz # 01 **Quiz Start Time: 12:35 PM, 09**

Question # 8 of 10 (Start time: 12:39:08 PM, 09 August 2020) **T**

For input ports, the incoming data should be placed on
the data bus only during the I/O read bus cycle. For this purpose, _____ are used.

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Select the correct option

- ○ Flip Flops
- ● Tri-state Buffers
- ○ AND Gates
- ○ Registers

CS501:Semester Quiz # 01 Quiz Start Time: 12:35 PM, 09 August 2020

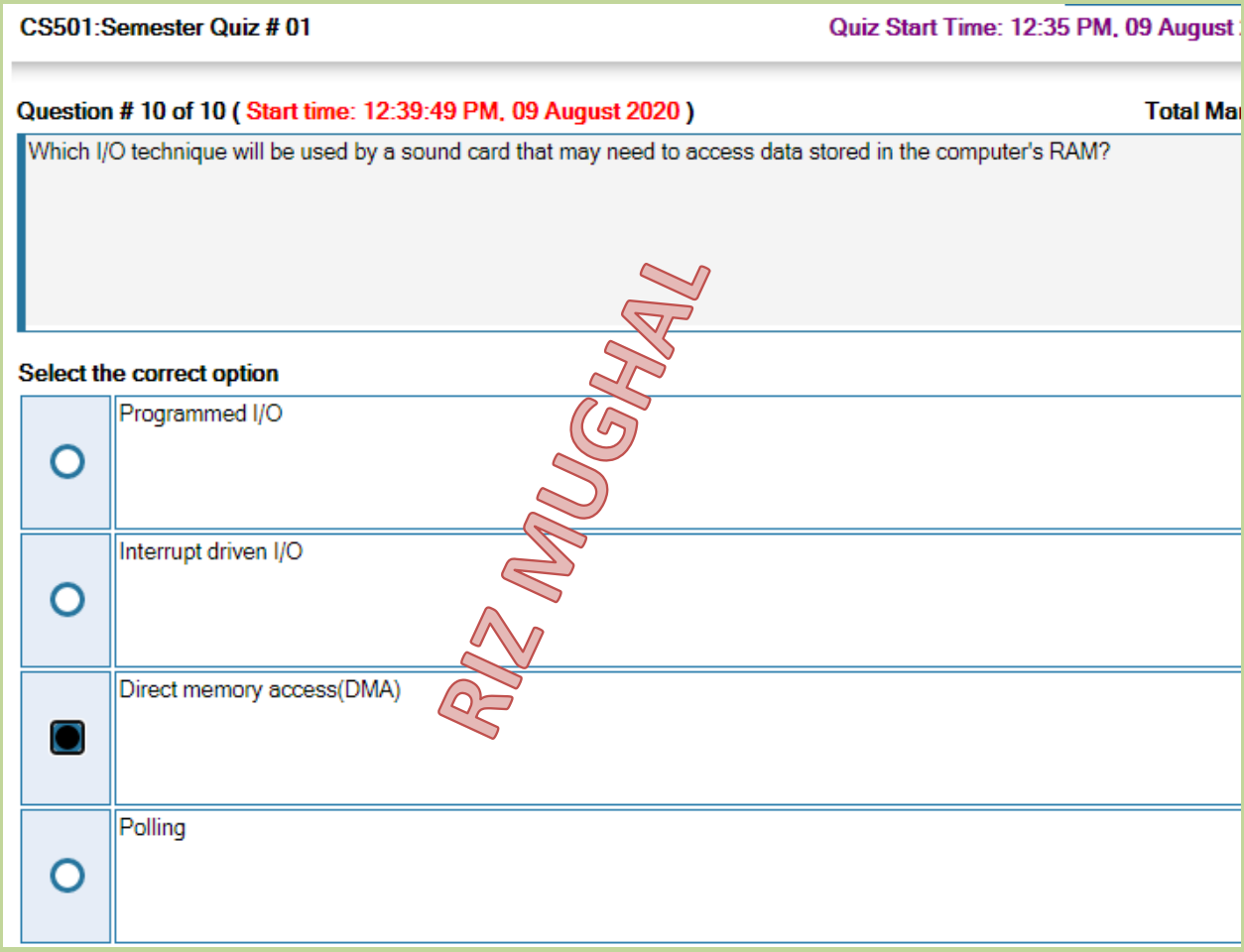
Question # 9 of 10 (Start time: 12:39:27 PM, 09 August 2020) **Total Marks:** 1

In the little-endian format exchanging data between computers, the data transmitted by one will be received in a "swapped" form by the other.

Select the correct option

- ○ Organized
- ○ Signals
- ● Swapped
- ○ Arranged

RIZ MUGHAL


CS501:Semester Quiz # 01
Quiz Start Time: 12:35 PM, 09 August
Question # 10 of 10 (Start time: 12:39:49 PM, 09 August 2020)
Total Ma
Which I/O technique will be used by a sound card that may need to access data stored in the computer's RAM?
Select the correct option
Programmed I/O
Interrupt driven I/O
Direct memory access(DMA)
Polling
RIZ MUGHAL

5th account

CS501:Semester Quiz # 01 Quiz Start Time: 12:

Question # 1 of 10 (Start time: 12:53:10 PM, 09 August 2020)

Along with information bits we add up another bit which is called the_____bit.

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Select the correct option

- ○ CRC
- ○ Hamming
- ○ Error Detection
- ◉ Parity

CS501:Semester Quiz # 01

Question # 2 of 10 (Start time: 12:53:36 PM, 09 August 2020)

Tri-state buffers are used for removing _____.

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Select the correct option

- ○ Instruction collision
- ○ bus collision
- ○ Instruction contention
- ● bus contention

CS501:Semester Quiz # 01 Quiz Start Time: 12:53 PM, 09 Aug

Question # 3 of 10 (Start time: 12:53:49 PM, 09 August 2020) **Total**

In which technique does the hardware directly access host memory for reading or writing independent of CPU?

Select the correct option

- [x] Direct Memory Access (DMA)
- [ ] Programmed I/O
- [ ] Interrupt driven I/O
- [ ] Polling

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CS501:Semester Quiz # 01 Qu

Question # 4 of 10 (Start time: 12:54:12 PM, 09 August 2020)

The main issue/s in error control is/are_____.

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Select the correct option

- ○ Detection of Error
- ○ Correction of Error
- ● Both Detection of Error and Correction of Error
- ○ Avoidance of Error

CS501:Semester Quiz # 01

Question # 5 of 10 (Start time: 12:54:26 PM, 09 August 2020)

The source file of FALSIM should contain _____ text only.

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Select the correct option

- ○ Unicode
- ◉ ASCII
- ○ ANSI
- ○ UTF

CS501:Semester Quiz # 01

Question # 6 of 10 (Start time: 12:54:41 PM, 09 August 2020)

The directive _____ is used to define variables.

Select the correct option

- [x] .equ
- [ ] .db
- [ ] .sw
- [ ] .org

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CS501:Semester Quiz # 01

Question # 7 of 10 (Start time: 12:54:58 PM, 09 August 2020)

human works with base 10 and computers work with base _____.

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Select the correct option

- 8
- 10
- 2
- 16

CS501:Semester Quiz # 01 Quiz Start Time: 12:53 PM, 09 August 202

Question # 8 of 10 (Start time: 12:55:13 PM, 09 August 2020) **Total Marks:**

The information about interrupt vector is given in 8-bits, from bit 0 to 7, which is translated to bit _____ on the data bus.

Select the correct option

- [x] 16 to 23
- [ ] 11 to 18
- [ ] 0 to 7
- [ ] 8 to 15

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CS501:Semester Quiz # 01 Quiz Start Ti

Question # 9 of 10 (Start time: 12:55:32 PM, 09 August 2020)

The _____ can be determined from the number of platters and the number of tracks.

Select the correct option

- ○ Speed of processing
- ○ execution time
- ● storage capacity
- ○ Latency

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CS501:Semester Quiz # 01 Quiz Start Time: 12:53

Question # 10 of 10 (Start time: 12:55:48 PM, 09 August 2020)

The conversion of numbers from a representation in one base to another is known as_____

Select the correct option

- (●) Radix Conversion
- ( ) Number Representation
- ( ) Decimal representation
- ( ) Hexadecimal Representation

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