

QUIZ 1, VERSION 1
SPRING 22

CS101

**VU HELPZONE GROUP OF
ZOOLOGISTS**



MUHAMMAD KASHIF
03064963933

_____ encoding is used to store colorful images.

Select the correct option

☐	Scaling
☐	Pixel
☒	RGB
☐	Bitmap

Solved by Muhammad Kashif

_____ stores bits as tiny electric charge that refreshes many times a second.

Select the correct option

☐	Flip-Flop
☐	RAM
☒	DRAM
☐	SDRAM

Solved by Muhammad Kashif

The process involved in a_____ is like copying the data rather than moving it.

Select the correct option

☐	Add instruction
☒	Transfer instruction
☐	Jump instruction
☐	Shift instruction

Solved by Muhammad Kashif

In CS, we store and link data in an organized way using

Select the correct option

☒	DBMS
☐	DMBS
☐	SDLC
☐	MSDB

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

Which unit transfers the data from memory into the general purpose registers?

Select the correct option

- ☐ Shift
- ☐ Arithmetic unit
- ☐ Logical unit
- ☒ Control unit

Solved by Muhammad Kashif

CPU and RAM are connected with _____to communicate with each other.

Select the correct option

☐	Ports
☒	BUS
☐	Cables
☐	Controller

Solved by Muhammad Kashif

_____ is a transfer instruction used to communicate with devices outside the CPU?

Select the correct option



STORE instruction



LOAD instruction



COM instruction



I/O instruction

Solved by Muhammad Kashif

If binary representation of 8 is 1000, then how is -8 written in 2's complement notation?

Select the correct option

☐	0000
☐	1001
☐	0100
☒	1000

Solved by Muhammad Kashif

In hexadecimal notation, _____ bits represent as single symbol.

Select the correct option

- | | |
|----------------------------------|-------|
| ☐ | One |
| ☐ | Two |
| ☐ | Three |
| ☒ | Four |

Solved by Muhammad Kashif

USB and Firewire provide several hundred_____.

Select the correct option

☒	Mbps
☐	Bps
☐	Gbps
☐	Kbps

Solved by Muhammad Kashif

In which type of communication several signals are transferred at the same time, each on a separate line?

Select the correct option

☐	Computer communication
☐	Network communication
☒	Parallel communication
☐	Serial communication

Solved by Muhammad Kashif

Question # 8 of 10 (Start time: 01:13:44 PM, 23 June 2022)

Tot

Which one of these is NOT the basic Boolean Operation.

Select the correct option

☐	XOR
☐	AND
☒	NAND
☐	OR

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

By using MPEG and MP3 compression techniques, video cameras are able to record video within_____.

Select the correct option

- | | |
|----------------------------------|-------------------|
| ☒ | 128 MB of storage |
| ☐ | 28 MB storage |
| ☐ | 8 GB storage |
| ☐ | 128 GB storage |

Solved by Muhammad Kashif

Question # 6 of 10 (Start time: 01:12:17 PM, 23 June 2022)

One of the earlier computing devices was the:

Select the correct option

☐	Iphone
☐	Windowa
☐	Laptop
☒	ABACUS

Solved by Muhammad Kashif

Click to Save Answer & Move to Next

CS101:Quiz No. 1

Question # 5 of 10 (Start time: 01:11:33 PM, 23 June 2022)

In a general-purpose computer, a program called the ____ is permanently stored in the machine's ROM.

Select the correct option

☒	BOOT loader
☐	Application loader
☐	Interpreter
☐	Compiler

Solved by Muhammad Kashif

Previously how many bits were used to store numbers in 2's complement notation?

Select the correct option

☐

128 bits

☒

64 bits

☐

8 bits

☐

16 bits

Solved by Muhammad Kashif

In hexadecimal notation, _____ bits represent as single symbol.

Select the correct option

☒	Four
☐	One
☐	Two
☐	Three

Solved by Muhammad Kashif

Which ability of a controller is known as direct memory access (DMA)?

Select the correct option

☐	To receive instruction
☐	To store instruction
☐	To access CPU
☒	To access main memory

Solved by Muhammad Kashif

A CPU consists of components, namely _____.

Select the correct option

- | | |
|----------------------------------|--|
| ☒ | Arithmetic Logic Unit, Control Unit, Registers |
| ☐ | RAM, Cache, Control Unit |
| ☐ | RAM, Cache, Registers |
| ☐ | Arithmetic Logic Unit, RAM, Control Unit |

Question # 10 of 10 (Start time: 01:02:54 PM, 23 June 2022)

Tot

Diameter of COMPACT DISK is _____.

Select the correct option



16 centimeters



12 centimeters



10 centimeters



11 centimeters

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

Which of the following is a significant asset to a computer's performance?

Select the correct option

☐	CPU
☐	Main Memory
☒	Direct Memory Access (DMA)
☐	Memory Bus

Solved by Muhammad Kashif

_____ is a transfer instruction used to communicate with devices outside the CPU?

Select the correct option



COM instruction



I/O instruction



LOAD instruction



STORE instruction

Solved by Muhammad Kashif

What would be the output when we apply NOT operation on input 1.

Select the correct option

☐	1
☐	01
☐	11
☒	0

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

One term could be used for more than one thing. For example word "Jaguar" is used in two meanings such as:

Select the correct option

☐	Car and helicopter
☒	Animal and car
☐	Car and Cat
☐	Car and bus

Solved by Muhammad Kashif

Most _____ codes used today are Huffman codes.

Select the correct option

☐	Differential
☐	Run-length
☒	Frequency-dependent
☐	Relative

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 12:56:35 PM, 23 June 2022)

What does MIDI stand for?

Select the correct option



Musical instrument digital interface



Music information disk interrogator



Musical information disk interface



Magnetic information design interface

Solved by Muhammad Kashif

Click to Save Answer & Mark

The hackers normally add many _____to such websites as the information seeker of free music.

Select the correct option

☒	Viruses
☐	Song
☐	Messages
☐	Alert

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

The concurrent execution of multiple jobs in a single-user system is known as _____

Select the correct option

☒	Multitasking
☐	Multischeduling
☐	Multiprocessing
☐	Multiprogramming

Solved by Muhammad Kashif

The instruction code to halt machine cycle is

Select the correct option

☐	35CE0
☒	C000
☐	C400
☐	C1000

Solved by Muhammad Kashif

The software components of a computer system are the intangible parts: **the data and the computer programs**. The major hardware components of a computer system are: Processor. Main memory.

Windows uses graphics to make program easier to use, such graphics are known as

Aptitude windows operating system

☒ GUI

☐ IR

☐ DOS

☐ IBM

Solved by Muhammad Kashif

After fetching instruction will be decoded and_____.

Select the correct option

☒	Executed
☐	Transfer
☐	Loaded
☐	Stored

Solved by Muhammad Kashif

The storage of a value with a fractional part requires that we store not only the pattern of 0s and 1s representing its binary representation but also the position of _____ .

Select the correct option

☐	Inter Point
☒	Radix point
☐	Fraction Point
☐	Numeric Point

Solved by Muhammad Kashif

Question # 6 of 10 (Start time: 12:25:33 PM, 23 June 2022)

If you search on Google that “how can I hack?”, then it would be so _____ for your security.

Select the correct option



Grateful



Dangerous



Difficult



Insecure

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Q

The _____ consists of instructions that tell the control unit to request an activity within the arithmetic/logic unit.

Select the correct option

☒	Arithmetic/logic group
☐	RISC/CISC group
☐	RISC group
☐	Control unit group

Solved by Muhammad Kashif

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 12:23:53 PM, 23 June 2022)

2 raised the 0 equals to _____.

Select the correct option

1



3



0



2



Solved by Muhammad Kashif

Click to Save Answer

_____ processor is based on CISC architecture.

Select the correct option

☒	Intel
☐	MIPS
☐	PowerPC
☐	SPARC

Solved by Muhammad Kashif

Which of the following is intangible component?

Select the correct option

☐	Hard Disk
☒	Software
☐	Computer Mouse
☐	Optical Disk

Solved by Muhammad Kashif

If you search on Google that "how can I hack?", then it would be so _____ for your security.

Select the correct option

- ☐ Grateful
- ☒ Dangerous
- ☐ Difficult
- ☐ Insecure

Solved by Muhammad Kashif

What is the maximum 2's complement number? ^

However a two's complement 8 bit number can only represent positive integers from 0 to 127 (01111111), because the rest of the bit combinations with the most significant bit as '1' represent the negative integers -1 to **-128**.

What would be the output when we apply NOT operation on input 1.

Select the correct option

☒	0
☐	11
☐	1
☐	01

Solved by Muhammad Kashif

In 2's complement notation, the maximum positive number is represented by _____.

Select the correct option



All 0's



A single '1' followed by all 0's



All 1's



A single '0' followed by all 1's

Solved by Muhammad Kashif

Binary notation is a way of representing numeric values using only the_____.

Select the correct option

☒	Digits 0 and 1
☐	Digits 0 and 2
☐	Digits 2 and 1
☐	Digits 0 and 0

Solved by Muhammad Kashif

The instruction code to halt machine cycle is

Select the correct option

☐	C1000
☒	C000
☐	C400
☐	35CE0

Solved by Muhammad Kashif

The process involved in a_____ is like copying the data rather than moving it.

Select the correct option

- ☐ Shift instruction
- ☐ Jump instruction
- ☒ Transfer instruction
- ☐ Add instruction

Solved by Muhammad Kashif

User can see directories or files by using_____.

Select the correct option

- | | |
|----------------------------------|--------------------|
| ☒ | Window explorer |
| ☐ | User interface |
| ☐ | Internet explorer |
| ☐ | Microsoft explorer |

Solved by Muhammad Kashif

Using _____, we can find the trend of the stock market for company

Select the correct option

- | | |
|----------------------------------|-------------------|
| ☐ | @ operator |
| ☐ | Plus, operator |
| ☐ | Boolean operators |
| ☒ | Stocks Operator |

Solved by Muhammad Kashif

Which ability of a controller is known as direct memory access (DMA)?

Select the correct option



To access main memory



To store instruction



To receive instruction



To access CPU

Solved by Muhammad Kashif

Using _____ form eliminates the possibility of multiple representations for the same value.

Select the correct option



Unnormalized



Normalized



Signified



Orthogonal

Solved by Muhammad Kashif