بِسۡمِ اللّٰہِ الرَّحۡمٰنِ الرَّحِیۡمِ

CS101 Quiz 1 File by Tanveer Online Academy

What connects the CPU and RAM to enable communication between them?	Bus
Which data compression technique is suitable for data having long sequences of the same value?	Run-length encoding
The computers of the _____were not very flexible or efficient.	1940s and 1950s
User can see directories or files by using_____.	Window explorer
_____ is a transfer instruction used to communicate with devices outside the CPU?	I/O instruction
CD stands for _____.	Compact disk (CD)
_____ Boolean operation produces the output as 1 when both inputs are 1.	AND
What will be the sum of 01101010 and 11001100 if both the patterns represent values stored in two's complement notation?	00110110 in two's complement
In enhancing computer performance, which component is a notable asset?	Direct Memory Access (DMA)
The most popular system for representing integers within today's computers is _____'s complement notation.	Two
An instruction register holds the machine instruction, which is _____.	Being executed now
One term could be used for more than one thing. For example word "Jaguar" is used in two meanings such as:	Animal and car
JPEG is mostly used in _____?	Photography industry
To store an image in the memory, appearance of each pixel is encoded to form_____.	Pixel
TIFF is an acronym of _____?	Tagged Image File Format

_____stores bits as tiny electric charge that refreshes many times a second.	DRAM
HDTV is an acronym of_____?	High definition television
In binary system, we can use only __or ___at each position.	0,1
For high definition sound recording, data from each sample is recorded in _____ bits (_____ bits for Stereo).	16,32
The “inurl” operator finds ___ web pages which contains the mentioned query in the URL of the web pages.	ALL
To store or manipulate date in computers, the bit 0 represents the value false and the bit 1 represents the value_____.	True
According to famous Job market website in Pakistan, most of the jobs are available in _____.	Computer Science
What would be the output when we apply NOT operation on input 1.	0
Diameter of COMPACT DISK is _____.	12 centimeters
UTF-8 uses 24 to___ bits.	32
_____ Boolean operation produces the output as 1 when both inputs are 1.	AND
Which operation can be used to invert all of the bits of an RGB bitmap image?	XOR
In hexadecimal notation, _____ bits represent as single symbol.	4
An instruction is fetched in the instruction register from main memory _____.	By using Bus
A long string of bits is often called a _____.	Stream
Approximately how many entries a typical dictionary in a word processor can contain?	25, 000 entries
A negative exponent would mean to move the radix point _____.	To left
Binary Number 11111111 is = _____ in decimal.	255
HTTP stands for:	Hypertext transfer protocol
To fetch an instruction from memory, the CPU requires at least _____.	Two nanoseconds
What plays a crucial role in a computer's performance as a valuable asset?	CPU
In fractional binary numbers, decimal point is termed as a/an _____.	Radix Point
The concurrent execution of multiple jobs in a single-user system is known as _____	Multitasking
If a bit falls off the right end, which technique is employed to position it in the hole at the left end?	Circular/rotation shift
In case a bit falls off the right end, what technique is used to place it in the left end hole?	Circular/rotation shift

To identify individual cells in a Computer's main memory, each cell is assigned a unique "name," called its _____.	Address
In 2's complement notation, the maximum positive number is represented by _____.	A single '0' followed by all 1's
Query is the set of words given to the search engine for	Searching
In which type of communication several signals are transferred at the same time, each on a separate line?	Parallel communication
_____ is a short version of binary digit, a smallest unit to store data.	Bit
Binary notation has _____ representation with respect to whole and fractional numbers	2`
Previously how many bits were used to store numbers in 2's complement notation?	8 bits
An instruction is fetched in the instruction register from main memory _____.	By using Bus
A CPU consists of components, namely _____.	Arithmetic Logic Unit, Control Unit, Registers
In black and white images, each pixel is represented as one bit – e.g., 0 for black and 1 for white. It is an example of _____.	Matrix
Computer does not understand any language except:	Binary language
Using _____form eliminates the possibility of multiple representations for the same value.	Normalized
One term could be used for more than one thing. For example word "Jaguar" is used in two meanings such as:	Animal and car
_____ encoding is used to store colorful images.	RGB
The impact of truncation error can be reduced by using _____.	Longer mantissa field
Using MPEG techniques, video presentations can be successfully relayed over communication paths that provide transfer rates of.	40 Mbps.
In main memory each cell has unique name called as _____.	Address
In fractional binary numbers, digits placed on the right side of the radix point represent _____.	Fractional part
How many steps does a machine cycle generally have?	Three
_____ is a table used in GIF that can hold up to 256 distinct colors from RGB color space.	Palette
Most computers manufactured today use at least ____ for storing values in floating-point notation.	32 bits
Before the Stored Program concept, data was stored in memory while programs were a part of _____.	CPU
What does MIDI stand for?	Musical instrument digital interface
Which of the following is a lossless data compression technique _____?	Frequency-dependent encoding
Diameter of COMPACT DISK is _____.	12 Centimeters
