

HOME TASK – CP - INTRO PART TO COMPUTERS

Fill in the Blanks

- 1- Images are stored in a computer using a coding scheme referred to as a _____.
- 2- _____ is the name given to each point in an image.
- 3- A computer program is represented in a computer using _____ language.
- 4- A language translator converts English-like high level programming languages into _____ so that the computer can understand them.
- 5- A 2GB hard disk can store _____ bits.
- 6- Video data is represented as a series of images called _____.
- 7- _____ is the numbering system that represents all numbers using just two symbols (0,1).
- 8- The _____ is the chip located inside the system unit of the computer that performs the processing for a computer.
- 9- The decimal value of the following binary number 1010 is _____.
- 10- A(n) _____ is an electronic path over which data can travel
- 11- A(n) _____ is a connector on the exterior of a computer than allows a peripheral device to be connected to the computer.
- 12- A(n) _____ is a special group of very fast memory chips located on or close to the CPU
- 13- A(n) _____ and a(n) _____ are two devices that can be used to cool down a CPU.
- 14- All internal devices in a computer connect to a circuit board referred to as a _____.
- 15- A(n) _____ is a connector on the exterior of a computer than allows a peripheral device to be connected to the computer.
- 16- RAM stands for _____.
- 17- ROM stands for _____.
- 18- USB stands for _____.
- 19- PCIe stands for _____.
- 20- The four stages of a machine cycle are _____, _____, _____ and _____.

Choose the right answer/s

- 1- _____ is a text coding scheme that uses 32 bits to represent each character.
 - a. ASCII
 - b. Binary
 - c. EBCDIC
 - d. Unicode
- 2- The part of the CPU that performs logical and integer arithmetic is the _____.
 - a. ALU
 - b. Decode unit
 - c. PreFetch unit
 - d. Control unit
- 3- As CPUs become smaller and smaller, the main problem becomes.
 - a. Developing technologies to connect these small components to the motherboard
 - b. Heating increasing
 - c. Accuracy decreases
 - d. Speed decreases
- 4- The main purpose of the MP3 encoding scheme is to.
 - a. Improve the quality of music
 - b. Prevent you from illegally copying music
 - c. Reduce the size of music files
- 5- The process of interleaving the different stages of a machine cycle in order to increase the throughput of a computer is referred to as.
 - a. Multiprocessing
 - b. Parallel processing
 - c. Multitasking
 - d. Pipelining

Mark the following as True or False (T/F)

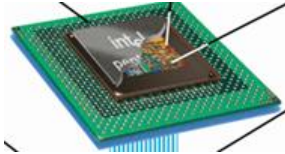
- 1- ACSII is a coding system used by computers to perform arithmetic operations.
- 2- A bus is a path way consisting of many conductors over which bits can be transferred.
- 3- Computers that process data with light are referred to as quantum computers.
- 4- The purpose of cache memory is to increase the storage capacity of a hard disk..
- 5- A bitmap is the encoding technique used to represent audio data on a computer.
- 6- The only factor that affects the processing speed of a CPU is its clock speed.

Miscellaneous

1. Match the following picture to its corresponding name from the following names
(expansion card - memory module -USB hub- CPU)



a. _____



b. _____



c. _____



d. _____

2. Match the terms in Column I to the definitions in Column II.

Column I	Column II	II	I
A. Motherboard	1. An Internet address consisting of a username and computer domain name that uniquely identifies a person on the Internet.	1	
B. Web browser		2	
C. System bus	2. A type of system software that enables a computer to operate and manage its resources and activities.	3	
D. Control unit	3. A program used to view Web pages.	4	
E. Expansion buses	4. An electronic path on the motherboard or within the CPU along which data is transferred.	5	
F. Arithmetic logic unit (ALU)	5. The part of the CPU that coordinates its operations.	6	
G. Bus	6. A connector on the exterior of a PC's system unit to which a device may be attached.	7	
H. Cache memory	7. The main circuit board of a computer, located inside the system unit, to which all computer system components connect.	8	
I. E-mail address	8. The part of the CPU that performs logical operations and integer arithmetic	9	
J. Operating system	9. A text-based Internet address used to uniquely identify a computer on the Internet.	10	
K. Central processing unit (CPU)	10. The bus that moves data back and forth between the CPU and memory		
L. Domain name			
M. Port			
N. System unit			
O. Register			