

# COLLEGE OF ENGINEERING & TECHNOLOGY



**Department** : Computer Engineering  
**Course Title** : : Introduction to Computers  
**Course Code** : CC111  
**Date** : fall 2012

## SHEET (2)

### Section One: 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 \_\_\_\_\_.

## **Section Two: 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

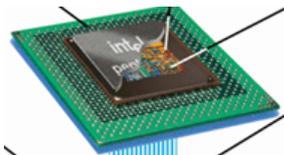
- c. Multitasking
- d. Pipelining

**Section Three: 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.

**Section Four: 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
<b>A.</b> Motherboard <b>B.</b> Web browser <b>C.</b> System bus <b>D.</b> Control unit <b>E.</b> Expansion buses	<b>1.</b> An Internet address consisting of a username and computer domain name that uniquely identifies a person on the Internet. <b>2.</b> A type of system software that enables a computer to operate and manage its resources and activities. <b>3.</b> A program used to view Web pages. <b>4.</b> An electronic path on the motherboard or within the CPU	1	
		2	
		3	
		4	

<b>F.</b> Arithmetic logic unit (ALU)	along which data is transferred.	5	
<b>G.</b> Bus	<b>5.</b> The part of the CPU that coordinates its operations.	6	
<b>H.</b> Cache memory	<b>6.</b> A connector on the exterior of a PC's system unit to which a device may be attached.	7	
<b>I.</b> E-mail address	<b>7.</b> The main circuit board of a computer, located inside the system unit, to which all computer system components connect.	8	
<b>J.</b> Operating system	<b>8.</b> The part of the CPU that performs logical operations and integer arithmetic	9	
<b>K.</b> Central processing unit (CPU)	<b>9.</b> A text-based Internet address used to uniquely identify a computer on the Internet.	10	
<b>L.</b> Domain name	<b>10.</b> The bus that moves data back and forth between the CPU and memory		
<b>M.</b> Port			
<b>N.</b> System unit			
<b>O.</b> Register			