Quiz 1

CSE 410

Summer 2018

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1)  The \_\_\_\_\_\_**PC register**\_\_\_\_\_\_\_\_\_\_\_\_ holds the address of the next instruction to be fetched.

2)  The \_\_**Interrupt Handler**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ routine determines the nature of the interrupt and performs whatever

actions are needed.

3)  \_\_\_\_\_**Interrupts**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are provided primarily to improve processor utilization.

4)  \_\_\_\_\_**DMA**\_\_\_\_\_\_\_\_\_ is more efficient than interrupt-driven or programmed I/O for a multiple-word I/O transfer.

5)  Small, fast memory located between the processor and main memory is called\_\_\_\_**Cache**\_\_\_\_\_\_\_\_\_\_ .

6)  The invention of the \_\_\_**Microchip or Microprocessor**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was the hardware revolution that brought about desktop and handheld computing.

7)  The Principle of \_\_\_\_**Locality**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ states that memory accesses tend to be clumped, either physically or temporally.

8)  1KB = \_\_\_**1024**\_\_\_\_\_\_\_\_ bytes, or \_\_\_\_\_**210**\_\_\_\_\_ (power of 2)

9)  1 GB = \_\_\_\_\_**230**\_\_\_\_ (power of 2)

10)  An \_\_**Operating System**\_\_\_\_\_\_\_\_\_ is a program that controls the execution of application programs and

acts as an interface between applications and the computer hardware.

11)  \_**Multitasking or Multiprocessing**\_ was designed to keep the processor and I/O devices, including

storage devices, simultaneously busy to achieve maximum efficiency.

12)  \_\_**Virtual Memory**\_\_\_ is a facility that allows programs to address memory from a logical point of

view, without regard to the amount of main memory physically available.