Name: **Id#**

ICS 233, Term 081

Computer Architecture & Assembly Language

Quiz# 1

Date: Saturday, Oct. 25, 2008

Q1. What is assembly language?

Q2. List three advantages of programming in assembly language and three advantages for programming in high level language.

Q3. Describe the difference between volatile and non-volatile memory and give an example of each.

Q4. Describe how the disk access time is computed.

Q5. Explain why the memory system is deigned in a hierarchical manner. Describe how the memory system is designed in a hierarchical manner.

Q6. Briefly describe the main functionality of the program counter register (PC), the instruction register (IR), and the fetch-execute process in a computer.

Q7. What is the instruction set architecture of a processor?