Name:

COE 205, Term 101 Computer Organization & Assembly Programming Quiz# 1

Date: Saturday, October 9, 2010

Q1. Fi	ill the blank in each of the following:
1.	There is one-to-one correspondence between and
2.	Assembly language is
3.	One advantage of programming in language is that programs are portable.
4.	One advantage of programming in language is having smaller code size and faster execution time.
5.	It is more appropriate to use language for developing hardware device drivers.
6.	An is a program that converts source-code programs written in assembly language into object files in machine language.
7.	The of a computer consists of the instruction set, programmer accessible registers and memory.
8.	With a 20 bit address bus, the physical address space is
9.	The advantage of DRAM over SRAM is
10	. Cache memory is used to help bridge the gap between

11. Part	of	the	disk	access	time,	seek	time	is
while			rotational		late	ency		is

- 12. The unsigned binary number 10100101 represents the decimal value _____.
- 13. The unsigned decimal number 500 is represented in binary as ______.
- 14. Assuming 8-bit representation, the signed number -30 is represented in sign-magnitude as ______ and in 1's complement as ______ and in 2's complement as ______.
- 15. Assuming 2's complement representation, the 12-bit number FD0 represents the decimal value ______ and is represented using 16-bits as ______.
- 16. Assuming 2's complement representation, the operation FFE1 7FE0 produces the result ______ and overflow = ______.
- 17. Assuming 8-bit 2's complement representation, the smallest number that can be represented is ______ in decimal and ______ in binary.
- 18. Assuming that an 8-bit register contains the hexadecimal value C5 representing a character, the character stored is ______ and the parity used is ______. Note that the ASCII code of character 'A' is 41h.