Name: Id#

## ICS 233, Term 141

## Computer Architecture & Assembly Language Quiz# 1

Date: Tuesday, Sep. 14, 2014

1.			one-to-one	con	respondence be	etweer	1		and
2.			_		programming and		•		
3.			_		programming and		•		
4.	can be	interface	ed with the Cl	PU is _	l a data bus of 64 read/write cycle	t	oytes and the	maximum nı	
	can be of byte	interface s that car	ed with the Cl n be read in a	PU is _ single		is	bytes and the	maximum nu	ımber
5.	can be of byte	interface s that can	ed with the Cl n be read in a RAM is s	PU is _ single	read/write cycle	is l	AM but is den	maximum nu bytes.  user and chea	ımber per.
<ul><li>5.</li><li>6.</li></ul>	The	need	ed with the Clan be read in a  RAM is s  for	PU is _ single slower a	read/write cycle	is RA	AM but is den	maximum nu bytes. aser and chea due	per.

9	is program that translates high-level languages to
assembly lang	
10. Given a mag	netic disk with the following properties:
	<ul> <li>Rotation speed = 8000 RPM (rotations per minute)</li> <li>Average seek = 7 ms, Sector = 1024 bytes, Track = 250 sectors</li> </ul>
	The average time to access a block of 200 consecutive sectors is ms.
	-bit 2's complement representation, the smallest (negative) number is in binary and in decimal and the largest (positive) in binary and in decimal.
_	bit 2's complement representation, the binary number 11011100 represents umber
_	-bit 2's complement representation, the number F0 represents the decimal
	number 11100101 represents character, and uses an parity bit. Note that the ASCII code of character <b>A</b> is 41H and that of 61H.