Name: Id#

COE 301/ICS 233, Term 151

Computer Architecture & Assembly Language Quiz# 1

Date: Sunday, Sep. 6, 2015

1.		's complement representation, the smallest (negative) number _ in binary and in decimal and the largest (positive)
	number is	in binary and in decimal.
2.	this number as	
		and in 2's complement representation it is
	Assuming 8-bit 2's	complement representation, the hexadecimal number F4 representation
3.	the decimal number	·

5.	The	need	for	a	memory	hierarchy	y is	due	
		from mei		is a regis	ster that holds th	e address	of the nex	t instruction	ı to be
		softwa	are and l	hardware	e and consist and	s of _			,
 8. Given a magnetic disk with the following properties: Rotation speed = 7200 RPM (rotations per minute) Average seek = 8 ms, Sector = 512 bytes, Track = 200 sectors The average time to access a block of 100 consecutive sectors is ms. 									
9.	Two	main	advantages		programming and				are:
10	. Two	main	advantage		programming and				are: