11/11/2017 Quiz 5

Quiz 5

* Required

1.	Email address * ANSWER KEY		
2.	What is the decimal representation of the signed-magnitude binary number 1100 0100? *		
	-68		
3.	What is the result of adding 0x10F and 0x214 (both are hexadecimal numbers)? *		
	0x323		
4.	What is the I (capital-i) bit usually for in data-processing instructions in ARM?* Mark only one oval.		
	It shifts the destination register		
	It specifies if the condition flags should be set		
	It is part of deciding which arithmetic operation to use		
It specifies whether the second argument will be an immediate value or a register		Il be an immediate value or a register	
5.	The machine encoding of a branch instruction of any 32-bit address. * Mark only one oval.	an express changing the program counter to	
	True		
	False		
	Tuise		
6.	Which of the following instructions set conditio registers? *	n flags, but don't change the values in any	
	Mark only one oval.		
	subs r1, r2		
	cmp r1, r2		
	sub r1, r3		
	bne loop		

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Quiz 3
7. Which of the following condition mnemonics means "The overflow bit AND the zero bit are set"? *
Mark only one oval.
○ NE
○ PL
○ GE
HS
None of the above
8. The difference in the machine instructions for "sub r1, r2, r3" and "subne r3, r2, r3" is in (choose ALL that apply) * Check all that apply.
Bits 19:16 (the Rn part)
Bit 20 (the S part)
☑ Bits 15:12 (the Rd part)
Bits 24:21 (the cmd part)
☑ Bits 31:28 (the cond part)
9. If logically shifted left by THREE bits using the "IsIs" instruction, which of the following examples would set the carry bit? Choose ALL that apply * Check all that apply.
✓ 0x20000001
0x00000008
Ox10000000
✓ 0x20000002
✓ 0x80000000
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