COMP5422 Multimedia Computing: Quiz1

This is a closed book and closed notes test.

Name:	S	Student number:	
Multiple choices: (4 points; 1 point each)			
pixel in each c we need to stor	full color digital image has 100 channel, its value is an integer were this image without compression. B. 80,000 bits; C. 100,000 bits	within [0, 1023]. How many on?	bits do
2. "By using the colors" is	primary colors Red, Green and	l Blue, we can produce all	visible [B]
A. True;	B. False.		
3. Mixing blue and	l yellow could produce		[A]
A. White;	B. Black; C. Green; I	D. Red.	
	ng is a bottom-up approach to one	entropy coding and it produ	ces the
A. True;	B. False.		
Short answers: (2	points; 1 point each)		
1. What is the bina Answer: 0.011.	ry representation of 0.375?		
2. What are the two	o essential steps in digitizing an	analog audio signal?	

Answer: sampling in the time axis and quantization along the amplitude axis.