University of Bahrain Bahrain Teachers College TC2MA324: History of Mathematics Dr. Abdulla Eid Spring 2015

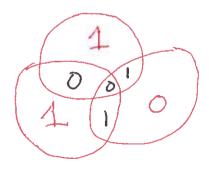


	Quiz 9	
	Solution	
Name:	001111111	

1. (10 points) Encode using Hamming code the letter m (note that the ASCII code of m is 109).

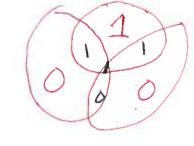
m's 109 which is in binary

stel 1% Encode 0110



1100110

step 23 Encode 1101

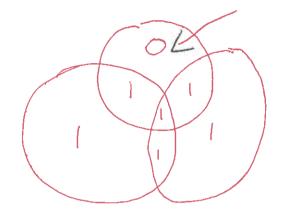


1010101

The encoded message is

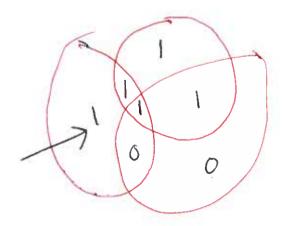
11001101010101

- 2. (3 points) Decode each of the following 7bits that we send using the Hamming code.
 - 1. 0111111



1111111

2. 1110101



1010101