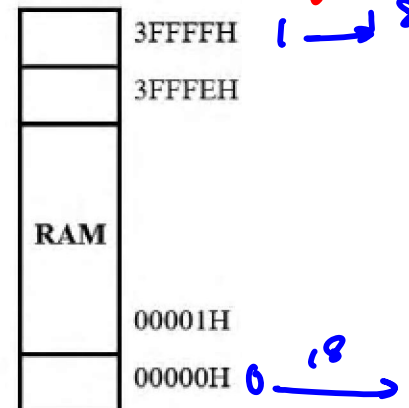
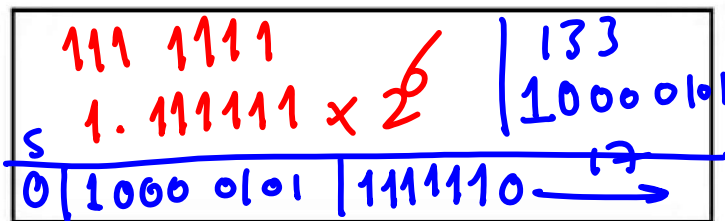


Taibah University		College of Computers science and Engineering
Computer Organization and Architecture COE 224		Date: 29 Jan 2019
Quiz: 01 Review		Total Marks: 15
Name:		ID:

- The binary number for **F7A9H** is 1111 0111 1010 1001
- Estimate the value of 2^{31} without using a calculator 2G
- Write 289H in BCD 649 => 0110 0100 1001
- Express decimal number +52 in 8-bit binary number 0011 0100
- Show the output word produced when the following binary words are **ANDed** with each other
XXXX X0X1 AND 1101 0011 XXOX 00X1
- Define the **parity** and describe how it is used to detect an error in transmitted data

- Increasing the address bus size, gives information about how memory system the CPU can
- How many bytes are in 64 bits? 8 bytes
- 16M is the total amount of memory given that the address bus size is 24-bit
- How many address lines are required for a 16 G memory? 34 lines
- Represent +127 as **single precision floating-point** number



- A number that contains **3 one bits** is said to have ODD parity
- Assign the proper **even** parity bit to the following code: 10110101111
1 10110101111
- An **odd parity** system receives the following code groups: 10110 No error
- For the shown figure of **RAM**, what is the **size of the address bus** to address the memory? 18 bit

256 K

Full