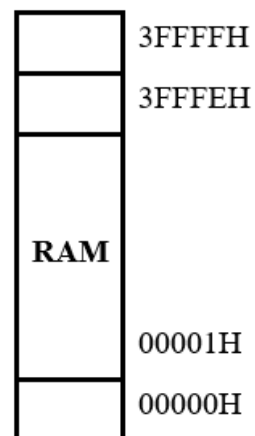


Taibah University		College of Computers science and Engineering
Computer Organization and Architecture COE 224		Date: 29 Jan 2019
Quiz: 01 Review		Total Marks: 15
Name:		ID:

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

- Increasing the _____ bus size, gives information about how memory system the CPU can communicate
- How many bytes are in 64 bits? _____
- _____ 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? _____
- Represent +127 as **single precision floating-point** number



- A number that contains **3 one bits** is said to have _____ parity
- Assign the proper **even** parity bit to the following code: **10110101111**

- An **odd parity system** receives the following code groups: **10110** _____

- For the shown figure of **RAM**, what is the **size of the address bus** to address the memory? _____ bit

