**Tutorial 5:** WRES1201 – Computer System Architecture

1. What are the key properties of semiconductor memory?
2. Explain why one type of RAM is considered to be analog and the other digital.
3. What are some applications for ROM (in scope of internal memory)?
4. What are the differences among EPROM, EEPROM and flash memory?
5. List the main differences between SRAM and DRAM.
6. Why do DRAMs generally have much larger capacities than SRAMs constructed in the same fabrication technology?

1. Describe the task of ‘S’ in SDRAM.
2. What are the two errors category in semiconductor memory system?
3. Suppose an 8 bit data word stored in memory is 11000010. Using the Hamming algorithm, determine what check bits would be stored in memory with the data word. Show how you got your answer.