

Exam Review

Monday, February 20, 2017 4:24 PM

Things to study:

Major concepts from midterm such as:

- Addressing modes
- Computing operations using 0-,1-,2-,3-address instructions
- Converting C code to Assembly

New topics covered since midterm:

- Cache memory
 - Direct mapping
 - Associative mapping
- Memory hierarchy
 - Make sure you learn the pyramid and what it means
- Calculating hit/miss ratio and average time
- Hamming code
 - Venn diagram (by hand)
 - Larger word (i.e. 8 bit) by algorithm
- Buses
- Interrupts
- RTL and data paths of a simple CPU