Please note that the final exam is comprehensive. But, there will be more emphasis on the material covered after mid-semester. Below is the review for the final exam that only includes the material covered after the second exam. The full review for the Final Exam also includes the review for Exam 1 and the review for Exam 2.

Advanced Procedures

1. Stack Frame
2. Pass by value/pass by reference
3. Ret and ret n
4. USES
5. LOCAL
6. LEA vs Offset
7. Enter and Leave implementation
8. Bubble Sort

Strings

1. MOVSB/W/D
2. CMPSB/W/D
3. SCASB/W/D
4. STOSB/W/D
5. LODSB
6. Base IDX
7. Base IDX, DISPL

Interrupts

1. Reset trap
2. INT21
3. NMI
4. INTR
5. INTA
6. Vector-table
7. Software interrupts vs hardware interrupts

Computer Organization

1. Instruction Execution Stages
2. Caches
3. Memory Read Cycle