### Study Guide for Week #16

**Note:** This is **NOT** a quiz question list

1. What is the primary goal for “hyper threading”?
2. What are “multi-function unit processors”? Are they same as “multi-core processors”?
3. What is the primary problem in “multi-function unit processors”?
4. Hyper-threading is a technique to improve the processor utilization of tightly-coupled dual-processor computers. Is this true or false?
5. Why is it called “hyper-threading” instead of “hyper-processing”?
6. What is the “granularity” of the tasks hyper-threading uses to allocate processor resource?
7. Why Intel did not make it “hyper-processing” (what is wrong to do “hyper-processing”)?
8. What is the essential difference between “medium-grained tightly-coupled multi-processor parallel computers” and “hyper-threading”?
9. Technically describe how hyper-threading can improve processor utilization.
10. What are the major weaknesses of “hyper-threading”?