EXAM #2 REVIEW: DALE & LEWIS CHAPTERS 6-9
(100 points – That’s 1 point every 30 seconds!)

EXAM DATE & TIME: MONDAY, MARCH 17, 2008, 2:00-2:50 PM

1. (2 points each) Four questions in which particular algorithms must be examined to see if they correctly perform a specified task.

2. (1 point each) Four true-false questions about syntax and semantics.

3. (2 points each) Three short-answer questions involving pseudocode (two asking for the results yielded by specific algorithms and one asking for an interpretation of what task those algorithms perform).

4. (1 point each) Six short-answer questions regarding two alternative modular designs.

5. (1 points each) Six true-false questions about modularity, top-down design, and bottom-up design.

6. (2 points each) Five questions regarding the contents of memory registers after executing a particular program in machine language.

7. (1 point each) Five true-false questions about programming languages.

8. (1 point each) Seven short-answer questions about compilation, linking, and loading.

9. (1 point each) Five matching questions about imperative statements.

10. (1 point each) Three true-false questions about object-oriented programming.

11. (1 point each) Four true-false questions about iteration.

12. (1 point each) Four true-false questions about recursion.

13. (1 point each) Seven short-answer questions about sequential and binary searches.

14. (1 point each) Six short-answer questions about arrays and linked lists.

15. (1 point each) Five short-answer questions about memory contents involving linked lists.

16. (1 point each) Three short-answer questions about sorting algorithms.

17. (3 points) One short-answer question tracing a stack’s contents after several push and pop operations.

18. (3 points) One short-answer question tracing a queue’s contents after several enqueue and dequeue operations.

19. (5 points) One question involving the creation of a binary insertion tree by inserting ten values.