The following topics would be included in the mid term examination. Just to avoid any ambiguities, consult the text as follows:

1. Data Structures and Algorithms, Mark Alan Weiss. Chapters 1 to 4, until topics 4.6 (Tree Traversals included).

2. Introduction to algorithms, Cormen, Lieserson, Rivest. Chapters 1-3, all topics inclusive.

1 Topics

Following are highlights of some of the topics we discussed in class, when in doubt, consider the text.

1. Stacks, Queues, Lists, Doubly Linked List. Array implementation, list implementation.


3. Tree applications, Traversals, Huffman Encoding, Parenthesis Balancing, Expression Conversion.


2 Paper Pattern

The type of questions that you can expect are as follows;

1. Coding.

2. Writing Pseudo-codes.

3. Algorithm Correction.

4. Simulation on Data Structures.

5. Running Time Calculation.

6. Other assorted problems.

7. Exercise problems.

However no pattern is finalized as yet. So prepare all of them.