

## CSCI2125: Data Structures

### Study Guide Class Test 1

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Test Date: 28 September 2020, Monday

Time: 3.30-4.45 pm

Syllabus: Chapter 2 and 3

Question format:

- Multiple Choice Questions
  - Very similar to quizzes

Study suggestion

- Find Cost function
- Definition of Big-O
- Find big O of code blocks/programs/operations
- Abstract Data Type\*
  - Linked List
    - Basic operations, their costs, pros & cons
  - Array/Array List
    - Basic operations, their costs, pros & cons
  - Stack
    - Basic operations, their costs, pros & cons
    - Applications (infix to postfix)
  - Queue
    - Basic operations, their costs, pros & cons
  - Circular Array/queue
    - Behavior
    - Finding index
    - Ambiguity issue