

參考書目：（僅供參考，出題範圍不僅限於書目中內容）

資料結構與演算法：

1. Ellis Horowitz, Sartaj Sahni, and Dinesh Mehta. "Fundamentals of Data Structures in C++". Silicon Press; 2<sup>nd</sup> edition.-->全
2. Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein. "Introduction to Algorithms". McGraw-Hill Science/Engineering/Math; 3<sup>rd</sup> edition.  
※ Chapter 3, 4, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17,18,19,21, 22, 23, 24, 25, 26, 34.

線性代數與離散數學：

1. Steven J. Leon. "Linear Algebra with Applications". Pearson, 8th edition.
2. Gilbert Strang. "Introduction to Linear Algebra". Wellesley-Cambridge Press, 4th edition.
3. Kenneth H. Rosen. "Discrete Mathematics and Its Applications". McGraw-Hill, 7th edition.

計算機系統(含作業系統及計算機組織)：

1. Abraham Silberschatz, Peter Baer Galvin, and Greg Gagne. "Operating System Concepts". Wiley; 9th edition.  
※ Chapter: 1~15
2. David Andrew Patterson and John LeRoy Hennessy. "Computer Organization and Design". Morgan Kaufmann; 5th edition.