

I. Chapter 1: Introduction to Computer Science

- 1. Introduction to Computer Science**
- 2. Computer Systems**
- 3. Computer Architecture**
- 4. Exercises**

II. Chapter 2: Numbering System

- 1. Coding of Information**
- 2. Decimal, Binary and Hexadecimal Bases**
- 3. Conversion of a Decimal Number to Another Base B: (Coding)**
- 4. Conversion of a Number N of Base B to a Decimal Number (Decoding)**
- 5. Conversion of a Decimal Number to a Floating Point**
- 6. Exercises**

III - Chapter 3: Algorithms and Flowcharts

- 1. Algorithm**
- 2. Flowchart**
- 3. Data Structure**
- 4. Control Structures**
- 5. Exercises**

V - Chapter 4: Fortran Programming

- 1. Why Do We Program?**
- 2. Fortran Program**
- 3. Concept of Program Unit**
- 4. Data Declarations**
- 5. Control Structures**
- 6. Operators**
- 7. Exercises**

VI - Final Exam