

**COMPUTER SCIENCE**  
**For Class – XI**

**1. OVERVIEW OF COMPUTER SYSTEM**

- 1.1. Introduction to Computer
- 1.2. Computer Software
- 1.3. Computer Hardware

**2. COMPUTER MEMORY**

- 2.1. Introduction
- 2.2. Main Memory
- 2.3. Secondary Memory

**3. CENTRAL PROCESSING UNIT**

- 3.1. Inside CPU
- 3.2. CPU Operations

**4. INSIDE SYSTEM UNIT**

- 4.1. Computer Casing /System Unit
- 4.2. Ports and Slots on the Motherboard

**5. NETWORK COMMUNICATION AND PROTOCOLS**

- 5.1. Introduction
- 5.2. Data Communication Standards
- 5.3. TCP/IP

**6. WIRELESS COMMUNICATIONS**

- 6.1. Introduction
- 6.2. Short Distance Wireless Communication
- 6.3. Long Distance Wireless Communication
- 6.4. Mobile Device Communication

**7. DATABASE FUNDAMENTALS**

- 7.1. Introduction
- 7.2. Basic Database Terminologies
- 7.3. Planning a Database
- 7.4. Data Modelling and Entity Relationship Diagram
- 7.5. Relational Schema

**8. DATABASE DEVELOPMENT**

- 8.1. Introduction
- 8.2. Working with Tables
- 8.3. Working with Forms
- 8.4. Working with Queries and Commands
- 8.5. Generating Reports