

**B.Sc(H) Electronics (II year)**  
**Guidelines**  
**CS -1 – Programming Fundamentals**

<b>Chapter</b>	<b>Topic</b>	<b>Reference</b>
Chap 1	Introduction to Computers	[1]
Appendix D	Numbering Systems	[1]
Chap 2	Introduction to the C++ Language	[1]
Chap 3	Structure of a C++ Program	[1]
Chap 4	Functions	[1]
Chap 5	Selection-Making decisions	[1]
Chap 6	Repetition	[1]
Chap 7	Text I/O	[1]
Chap 8	Arrays	[1]
Chap 9	Pointers	[1]
Chap 10	Classes	[1]
Chap 11	More Class Features and Other Types	[1]
Chap 12	Inheritance and Aggregation	[1]
Chap 14	Strings	[1]
Chap 15	Exception Handling	[1]

\* Except “Software Engineering and Programming Style” section in every chapter of [1]

**References:**

- [1] B. A. Forouzan and R. F. Gilberg, **Computer Science, A Structured Approach using C++** (2<sup>nd</sup> ed.), Indian Edition, Cengage Learning, 2004.