

	Binary Coded Decimal, 8-bit BCD System, 16-bit Unicode, Conversion of Numbers. Computer Arithmetic. Boolean Algebra. Logic Gates and Digital Circuits.	
Unit 4	Computer Software: Types of Computer Software, System Management Program, System Development Programs, Standard Application Programs. Operating System: History of Operating System, Functions of Operating System, Process Management, Memory Management, File Management, Device Management, Security Management, Types of Operating System.	8
Unit 5	Programming Languages: History of Programming Languages, Generation of Programming languages, Characteristics of Good Programming Language, Categorization of High-level languages. Internet and World Wide Web.	8
	Total	42

#### **Books:-**

<b>S.No.</b>	<b>Name of Books/Authors/Publisher</b>
1.	Fundamentals of Computer Science, Balaguruswamy, McGraw Hill Education (India) Private Ltd.
2.	Fundamentals of Computers, V. Rajaraman, PHI
3.	Handbook of Computer Fundamentals, Nasib Singh, Khanna Books Publishing Co. (P) Ltd.
4.	Computer Fundamentals, P.K. Sinha, BPB Publication.
5.	Introduction to Computer, Norton Peter, McGraw-Hill.