Fundamentals of Computers (FCO-131M)
(Credits: 3 Theory + 1 Lab)

UNIT I

Computer basics Flowcharts, Algorithms, Data representation Characters, Integers, Fractions, Hexadecimal & Binary Conversions

UNIT II

Input/output units, Computer memory, Computer Architecture, Computer languages

UNIT III

Operating Systems, Batch OS, Multiprogramming OS, Time Sharing OS, PC OS, Unix OS, Microkernel Based OS, On-line and Real-time Systems

UNIT IV

Computer generations and classification, Computer networks, Communication protocols, Local Area Networks (LAN), Inter Connecting Networks, Future Internet Technologies

UNIT V

C programming, Arrays and Strings, Conditions, Loops, File Handling, Data Types and Pointers

UNIT VI

HTML: Introduction, Get Started, Basic, Elements, Attributes, Headings, Paragraphs, Formatting, Styles, Links, Images, Tables, Lists, Forms, Frames, Colors, Color names, Color values, Quick List, CSS, Head, URL Encode

Text/Reference Books:
1. Fundamentals of Computers by *V. Rajaraman*, Estern Economy Edition
2. The C Programming Language by *Brian W. Kernighan, Dennis M. Ritchie*, PHI
3. HTML and CSS: Design and Build Websites by *Jon Ducket*