

MCA21101OE
Fundamentals of Computers

Unit I

Introduction about computers: Computer Basics, characteristics, applications and limitations.

Functional Block Diagram of computer.

Computer Architecture: Classification of computer on basis of Purpose, signal and size and portability,

Evolution of computer from 1st generation to fifth generation, Data representation in memory.

Unit II

Hardware: Input devices used: Keyboard, mouse, OMR, OCR, MICR, BCR, Scanner, internal structure of CPU: Registers, ALU, Motherboard, HD, Memory, Cache, and Virtual Memory, Magnetic Disk, Optical Disk, Flash memory

Software: types of Software, Languages and their types, operating system, its types and various functions and types of operating system. Basic introduction about Interfaces: its types character user and graphical user interface (DOS and Windows)

[Handwritten signatures and scribbles]