

BCS-101- Introduction to Computers

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Module 1:

Introduction to computers: Data, Information, Computer Definition, Features and Applications, Generations and Features of each Generations.

Basic Computer Organization: Basic Operations, Anatomy of Computers, I/O units and their functions, Storage Units their functions and types.

Hardware & Software: Definitions and their types, Relationship between hardware and software.

Classification of Computers: Types of Computers based on mode of use and their features.

Module 2:

Number System: Introduction, Positional and Non-Positional types, Types of Positional Number System and Conversions.

Computer Codes: Introduction, BCD (Binary Coded Decimal), EBCDIC (Extended Binary Coded Decimal Interchange Code), ASCII (American Standard Code for Information Interchange).

Operating System: Definition and need for OS, Logical Architecture, Basic Functions, Multiprogramming, Multitasking, Multithreading.

Module 3:

Algorithms: Introduction and Definition, Criteria & Notation, Types.

Internet: Introduction, Evolution and Basic Services, WWW (World Wide Web), Browsers and Uses of the Internet.

MS-Office: Design Goals of MS-OFFICE, Components of MS-OFFICE: MS-Word, MS-Power Point, MS-Excel, and MS-Access.

Computer Languages: Introduction, Classification, Advantages & Limitations, Translators

Text Books:

1. Rajaraman V. - Fundamentals of Computers – PHI

Reference Books:-

1. Mrs. Chetna Shah & Mr. Kalpesh Patel - Open Office