CCA-01 Introduction to Information Technology

Unit 1: Introduction to Computer
    Definition of computer, components of computer, evolution, generation and classification of computers, Application of computers

Unit 2: Computer Memory and Storage
    Representation of data in computer: bits and bytes, computer memory, primary and secondary memory.

Unit 3: Software and Multimedia
    Computer software basics, System Software, Application Software, Integrated Software, Multimedia Computing

Unit 4: Basic hardware Components
    System Unit, Power Supply, Motherboard, processor, Buses, I/O ports and connectors.

Unit 5: Introduction to Computer Networks
    Basics of computer Network, Network topologies, Types of Network, Internetworking devices, Protocol Hierarchy, Introduction to ISO-OSI reference model.

Unit 6: Internet technologies
    Internet: Growth, management, Internet Accessing: connectivity, ISP, Internet addressing, WWW: Web Servers, Search engine, Internet Security: Password, viruses, firewalls, Application of Internet.

Suggested Readings:
1. Computers Fundamentals by P.K.Sinha, BPB Publication
2. Computers Fundamentals by B. Ram, New Age International Publishers.