

Unit – I

**Chapter 1 : Fundamentals of Data Communication
1-1 to 1-24**

Syllabus : Process of data communication and its components : Transmitter, Receiver, Medium, Message, Protocol, Protocols, Standards, Standard organizations. Bandwidth, Data transmission rate, Baud rate and Bits per second. Modes of communication (Simplex, Half duplex, Full duplex). Analog signal and digital signal, Analog and digital transmission : Analog to digital, Digital to analog conversion.

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Unit – V

Chapter 12 : IP Addressing **12-1 to 12-30**

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