

1. Record Nr.	UNINA9910791353103321
Autore	Shinde S. S
Titolo	Computer network [[electronic resource] /] / S. S. Shinde
Pubbl/distr/stampa	New Delhi, : New Age International, 2009
ISBN	1-282-50125-9 9786612501258 81-224-2852-5
Descrizione fisica	1 online resource (419 p.)
Soggetti	Data transmission systems Computers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	<p>""Cover""; ""Acknowledgement""; ""Preface""; ""Contents""; ""Chapter 1. Basic Working Concept and System""; ""1.1 Concept of Communication Network""; ""1.2 Types of Communication""; ""1.3 Channels and Circuits""; ""1.4 Signals and Transmission""; ""1.5 Channel Speed and Bit Rate""; ""1.6 Online and Offline Systems""; ""1.7 Interactive and Non Interactive Systems""; ""Chapter 2. Communication System and Noise""; ""2.1 Concept of Modulation""; ""2.2 Amplitude Modulation""; ""2.3 AM Bandwidth Requirement""; ""2.4 Frequency Modulation""; ""2.5 FM Bandwidth Requirement""; ""2.6 Concept of Noise""</p> <p>""2.7 Noise Figure and Noise Temperature""""Chapter 3. Multiplexing""; ""3.1 Concept of Multiplexing""; ""3.2 Frequency Division Multiplexing""; ""3.3 Time Division Multiplexing""; ""3.4 Wavelength Division Multiplexing""; ""Questionnaires""; ""Chapter 4. Introduction to Computer Network""; ""4.1 Need of Computer Networks""; ""4.2 Advantages of Computer Networks""; ""4.3 Uses of Computer Networks""; ""4.4 Network Models""; ""4.5 Categories of Networks and Internet works""; ""4.6 Line Configuration""; ""4.7 Network Topologies""; ""4.8 Study of Reference Models""</p> <p>""4.8.1 Protocol Hierarchies""""4.8.2 Design Issues for the Layers""; ""4.8.3 The OSI Reference Model""; ""4.8.4 The TCP/IP Reference Model""; ""4.8.5 A Comparison of the OSI and TCP Reference Models"";</p>

""4.8.6 ATM""; ""4.9 Network Examples""; ""Questionnaires"";  
""Questionnaires""; ""Chapter 5. Network Concept and Components"";  
""5.1 Network Concepts""; ""5.1.1 Wireless Networks""; ""5.1.2 Layered  
Approach""; ""5.1.3 Interfaces""; ""5.1.4 Services""; ""5.1.5 Protocols"";  
""5.1.6 Brief Study of X.25 Protocol""; ""5.1.7 Intranet and Extranet"";  
""5.2 Network Components""  
""5.2.1 Cabling and Connector Standards""""5.2.2 Network Interface  
Card (NIC)""; ""5.2.3 Bridges/Switches""; ""5.2.4 Routers""; ""5.2.5  
Concentrators""; ""5.2.6 Hubs""; ""5.2.7 Repeaters""; ""5.2.8 Gateways"";  
""5.2.9 ISDN""; ""Questionnaires""; ""Chapter 6. Physical Layer""; ""6.1  
Physical Layer Characteristics""; ""6.2 The Theoretical Basis for Data  
Communication ""; ""6.2.1 Fourier Analysis ""; ""6.2.2 Bandwidth Limited  
Signals ""; ""6.2.3 The Maximum Date Rate of Channel""; ""6.3  
Transmission Media""; ""6.3.1 Guided Media""; ""6.3.2 Unguided  
Media""; ""6.4 Transmission Impairment""  
""6.5 Design Issues of Physical Layer""""6.6 EIA-232-D Digital  
Interface""; ""6.7 EIA-232-D Interface Specifications ""; ""6.8 Modems"";  
""6.8.1 Introduction""; ""6.8.2 Types of Modems ""; ""6.8.3 Block  
Schematic of a Modem""; ""Questionnaires""; ""Chapter 7. Data Link  
Layer""; ""7.1 Data Link Layer Design Issues""; ""7.2 Services Provided to  
the Network Layer""; ""7.3 Framing Methods""; ""7.4 Error Control-  
Detection and Correction""; ""7.5 Flow Control""; ""7.6 Elementary Data  
Link Protocols""; ""7.7 Sliding Window Protocols""; ""7.7.1 Stop-and-  
Wait Sliding Window Protocol ""  
""7.7.2 Sliding Window Protocol Protocol with Go-Back-N""

---