

GOTT SERIES (CBT) – COMMUNICATION NETWORKS

Model Number : GOTT-COMMNET-M04



GOTT SERIES : COMPUTER BASED TRAINING SYSTEM (CBT) - COMMNET

DESCRIPTION :

COMMNET course module explores the underlying principles of the technologies that drive modern Wide Area Network (WANs), explains the principles of operation and typical applications of networks offering an X25 data service and Frame Relay data service, gives an introduction to networks employing the Asynchronous Transfer Mode (ATM) and its operations as well as usage, describes the benefits, features and operation of networks using the IP suite of protocol, describes the facilities and operation of IP networks with advance features. MPLS label switching including the use of label distribution protocols LDP and CR-LDP and provides a detailed treatment of Digital Subscriber Line (DSL) services and is designed for those involved in the planning, installation or maintenance of ADSL and SHDSL broadband connections. In order to ease down the referencing resources in this course module, it is incorporated with some features like, Search, Book Mark, Note Creator and Vocabulary Pronunciation Assistant. Below is the list of the 8 chapters covered in this course module with its associated sub-topics

CHAPTERS

INTRODUCTION TO WANs

Sub-Topics : Basic Structure of WAN
Asynchronous and Synchronous Transmissions
TDM Multiplexing and Switching
Packet Switching
OSI Protocol Layers
Connection Types
Route Discovery
Multimedia Traffic

X25 DATA SERVICES

Sub-Topics : Introduction to X25
X25 Error Checking and Flow Control
X25 Packets and Frames

PRINCIPLE OF ATM

Sub-Topics : Introducing ATM
ATM Cell Structure
Virtual Paths and Channels
ATM Protocol Layers
Quality of Service
Traffic Control
Congestion Control

ATM NETWORKS

Sub-Topics : Virtual Network and Internetworking
ATM Networks
ATM Addressing Scheme
Private Network Node Interface (PNNI)
Voice over ATM
IP over ATM Networks

CHAPTERS

IP NETWORKS

Sub-Topics : Introducing the Internet
IP Addressing
Domain Name System (DNS)
The Internet Protocol (IP)
RIP Route Discovery
OSPF Route Discovery
BGP and EGP Route Discovery
Other Internet Protocols

FRAME RELAY DATA SERVICES

Sub-Topics : Introduction to Frame Relay
Congestion Control
Local Management Interface (LMI)
Voice over Frame Relay

SDL SERVICES

Sub-Topics : Digital Access over the Last Mile
Loop Impairments
Signal Processing
ADSL Principles and Services
ADSL Connections
ADSL Customer's Equipments
Symmetrical DSL Service
Testing DSL Connections

ADVANTAGES OF IP NETWORKS

Sub-Topics : RSVP Resources Reservation
Label Switching
Providing a Quality of Service
Transporting Voice over IP
VoIP Call-Set-Up Protocols



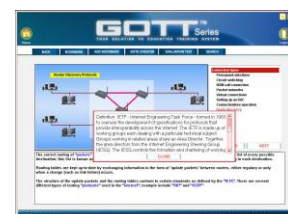
Note Creator



Topics Content



Bookmark



Vocabulary Pronunciation Assistant

Manuals :

- (1) All manuals are written in English Language.
- (2) Model Answer
- (3) Teaching Manuals

General Terms:

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Year

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
(CBT) COMMUNICATION NETWORKS	GOTT-COMMNET-M04	820-204

* Proposed design only, subject to changes without any notice.