IMPORTANT FULL FORMS

Physical Layer

- NRZ - Non-Return-to-Zero

- AMI - Alternate Mark Inversion

- B8ZS - Bipolar with 8-Zero Substitution

- HDB3 - High-Density Bipolar 3

- ASK - Amplitude Shift Keying

- FSK - Frequency Shift Keying

- PSK - Phase Shift Keying

- PCM - Pulse Code Modulation

- AM - Amplitude Modulation

- FM - Frequency Modulation

- PM - Phase Modulation

Data Link Layer

- CRC - Cyclic Redundancy Check

- ARQ - Automatic Repeat reQuest

- HDLC - High-Level Data Link Control

Network Layer

- CSMA/CD - Carrier Sense Multiple Access/Collision Detection

- FDDI - Fiber Distributed Data Interface

- ATM - Asynchronous Transfer Mode

- IPv4 - Internet Protocol version 4

- IPv6 - Internet Protocol version 6

- MAC - Media Access Control

- CSMA/CA - Carrier Sense Multiple Access/Collision Avoidance

Transport Layer

- UDP - User Datagram Protocol

- TCP - Transmission Control Protocol

- SCTP - Stream Control Transmission Protocol

Application Layer

- HTTP - HyperText Transfer Protocol

- HTTPS - HyperText Transfer Protocol Secure

- WWW - World Wide Web

- FTP - File Transfer Protocol

- SMTP - Simple Mail Transfer Protocol

- POP3 - Post Office Protocol version 3

- IMAP - Internet Message Access Protocol

- SNMP - Simple Network Management Protocol

- MIME - Multipurpose Internet Mail Extensions

- DNS - Domain Name System

General Terms Across Units

- IP - Internet Protocol

- TCP - Transmission Control Protocol

- UDP - User Datagram Protocol

- TCP/IP - Transmission Control Protocol/Internet Protocol

- OSI - Open Systems Interconnection

- LAN - Local Area Network

- WAN - Wide Area Network

- MAN - Metropolitan Area Network

- PAN - Personal Area Network

- NAT - Network Address Translation

- DHCP - Dynamic Host Configuration Protocol

- VPN - Virtual Private Network

- ARP - Address Resolution Protocol

- ICMP - Internet Control Message Protocol

- QoS - Quality of Service

- ISP - Internet Service Provider

- URL - Uniform Resource Locator

- VoIP - Voice over Internet Protocol

- SSL - Secure Sockets Layer

- TLS - Transport Layer Security

- BGP - Border Gateway Protocol

- ACL - Access Control List

- SSH - Secure Shell

- VLAN - Virtual Local Area Network

- WLAN - Wireless Local Area Network

- NIC - Network Interface Card

- P2P - Peer to Peer

- DDOS - Distributed Denial of Service

- TLD - Top Level Domain

- FQDN - Fully Qualified Domain Name

- MPLS - Multi-Protocol Label Switching

- IGMP - Internet Group Management Protocol

- WPA - Wi-Fi Protected Access

- WPA2 - Wi-Fi Protected Access 2

- SLA - Service Level Agreement

- IaaS - Infrastructure as a Service

- PaaS - Platform as a Service

- SaaS - Software as a Service

- FaaS - Function as a Service

- ACL - Access Control List

- WAF - Web Application Firewall

- ICMP - Internet Control Message Protocol