

# Final Exam Keywords

## Chapter 6

Active Directory Service (ADS)	frame	peer-to-peer network	<del>store and forward</del>
bottleneck	hub	physical topology	<del>switching</del>
bus topology	<del>IEEE 802.3</del>	port	switch
cable plan	<del>information sharing</del>	print server	switched Ethernet
cabling	LAN metering software	redundant array of inexpensive disks (RAID)	<del>symmetric</del>
Carrier Sense Multiple Access with Collision Detection (CSMA/CD)	latency	resource sharing	<del>multi-processing (SMP)</del>
collision	layer-2 switch	server farm	topology
collision detection (CD)	lightweight directory services (LDAP)	shared Ethernet	twisted-pair cable
<del>cut through switching</del>	logical topology	shielded twisted-pair (STP)	unshielded twisted-pair (UTP) cable
dedicated-server LAN	network-attached storage (NAS)	software audit	workgroup switch
domain controller	network interface card (NIC)	software piracy	10Base-T
Ethernet	network operating system (NOS)	<del>Software Publishers Association (SPA)</del>	100Base-T
fiber-optic cable	network profile	<del>storage area network (SAN)</del>	1000Base-T
file server	network segmentation		10/100 Ethernet
forwarding table	network server		1 GbE
<del>fragment-free switching</del>			10 GbE
			40 GbE

## Chapter 7

access point (AP)	Extensible Authentication Protocol (EAP)	request to transmit (RTS)	Wired Equivalent Privacy (WEP)
bandwidth	frequency range	roaming	Wireless LAN (WLAN)
Bluetooth	MAC address filtering	Service Set Identifier (SSID)	Wireless Personal Area Network (WPAN)
bus topology	master	site survey	802.11a
channel	omnidirectional antenna	slave	802.11b
clear to transmit (CTS)	overlay network	<del>virtual carrier sense method</del>	802.11g
collision	physical carrier sense method	<del>wardriving</del>	<del>802.11i</del>
collision avoidance (CSMA/CA)	piconet	Wi-Fi	802.11n
contention	point coordination function (PCF)	Wi-Fi Protected Access (WPA)	<del>802.15</del>
data rate	Power over Ethernet (POE)	WiMAX	<del>802.16d</del>
directional antenna			<del>802.16e</del>
distributed coordination function (DCF)			

## Chapter 8

access layer	gateways	<del>multiprotocol label switching (MPLS)</del>	single-switch VLAN
backbone network (BN)	<del>IEEE 802.1q</del>	<del>multiprotocol router</del>	switched backbone
campus network	<del>label switched router (LSR)</del>	multiswitch VLAN	virtual LAN (VLAN)
chassis switch	<del>layer 2 switch</del>	patch cables	<del>VLAN ID</del>
core layer	<del>layer 3 switch</del>	rack	<del>VLAN tag</del>
distribution layer	main distribution facility (MDF)	routed backbone	<del>VLAN trunk</del>
<del>enterprise network</del>	module	router	
<del>forwarding equivalence class (FEC)</del>			

## Chapter 9

<del>access VPN</del>	<del>Encapsulating Security Payload (ESP)</del>	maximum allowable rate (MAR)	<del>service profile identifier (SPID)</del>
asynchronous transfer mode (ATM)	<del>extranet VPN</del>	mesh	star architecture
<del>basic rate interface (BRI)</del>	<del>fast packet services</del>	mesh architecture	<del>switched virtual circuit (SVC)</del>
<del>broadband ISDN (B-ISDN)</del>	Federal Communications Commission (FCC)	<del>narrowband ISDN</del>	<del>synchronous digital hierarchy (SDH)</del>
Canadian Radio-Television and Telecommunications Commission (CRTC)	<del>fractional T1 (FT1)</del>	<del>network terminator (NT-1, NT-2)</del>	synchronous optical network (SONET)
<del>channel service unit/data service unit (CSU/DSU)</del>	<del>frame relay</del>	<del>packet assembly/disassembly (PAD)</del>	T carrier circuit
circuit-switched services	full-mesh architecture	packet-switched networks	T1, <del>T2</del> , T3, <del>T4</del> circuits
cloud	<del>integrated services digital network (ISDN)</del>	<del>permanent virtual circuit (PVC)</del>	<del>terminal adapter (TA)</del>
cloud architecture	interexchange carrier (IXC)	plain old telephone service (POTS)	<del>2B+D</del>
committed information rate (CIR)	Internet service provider (ISP)	point of presence (POP)	<del>23B+D</del>
common carrier	<del>intranet VPN</del>	<del>primary rate interface (PRI)</del>	<del>unreliable packet services</del>
<del>datagram</del>	<del>IPSec</del>	public switched telephone network (PSTN)	virtual circuit
dedicated-circuit services	<del>L2TP</del>	<del>public utilities commission (PUC)</del>	virtual private network (VPN)
discard eligible (DE)	latency	<del>reliable packet services</del>	VPN gateway
<del>distributed star architecture</del>	<del>layer 2 VPN</del>	ring architecture	VPN software
Ethernet services	<del>layer 3 VPN</del>		<del>wide area telephone service (WATS)</del>
	local exchange carrier (LEC)		<del>X.25</del>

## Chapter 10

<del>Abilene network</del>	cable modem termination system (CMTS)	digital subscriber line (DSL)	<del>G.Lite ADSL</del>
<del>Advanced Research and Development Network Operations Center (ARDNOC)</del>	<del>CA*net</del>	distribution hub	<del>hybrid fiber coax (HFC)</del>
asymmetric DSL (ADSL)	customer premises equipment (CPE)	DSL access multiplexer (DSLAM)	<del>Internet Architecture Board (IAB)</del>
<del>autonomous systems</del>	<del>Data over Cable Service Interface Specification (DOCSIS)</del>	DSL modem	Internet Corporation for Assigned Names and Numbers (ICANN)
broadband technologies		fiber-to-the-home (FTTH)	<del>Internet Engineering Steering Group (IESG)</del>
cable modem		<del>fixed wireless</del>	
		gigapop	
<del>Internet Engineering Task Force (IETF)</del>	mobile wireless	request for comment (RFC)	<del>wireless DSL</del>
<del>Internet Research Task Force (IRTF)</del>	national ISP	tier 1 ISP	<del>wireless telephony application (WTA)</del>
Internet service provider (ISP)	network access point (NAP)	tier 2 ISP	<del>server</del>
Internet Society (ISOC)	<del>Next Generation Internet (NGI)</del>	tier 3 ISP	<del>Yipes.com</del>
Internet2	optical-electrical (OE) converter	<del>University Corporation for Advanced Internet Development (UCAID)</del>	
line splitter	passive optical networking (PON)	<del>very high data rate digital subscriber line (VDSL)</del>	
local ISP	peering	<del>WAP proxy</del>	
local loop	point of presence (POP)	<del>Wireless Application Environment (WAE)</del>	
main distribution facility (MDF)	regional ISP	<del>Wireless Application Protocol (WAP)</del>	
metropolitan area exchange (MAE)	remote-access server (RAS)		

## Chapter 11

access card  
 access control list (ACL)  
 account  
 Advanced Encryption Standard (AES)  
 adware  
~~algorithm~~  
 anomaly detection  
 antivirus software  
 application-level firewall  
 asset  
 asymmetric encryption  
 authentication  
 authentication server  
~~automatic number identification (ANI)~~  
~~availability~~  
 biometric system  
 brute-force attack  
 business continuity  
 central authentication  
 certificate  
  
 password  
 patch  
 phishing  
 physical security  
 plaintext  
 Pretty Good Privacy (PGP)  
 preventive control  
 private key  
 public key  
 public key encryption  
 public key infrastructure (PKI)  
  
 certificate authority (CA)  
 ciphertext  
~~closed source~~  
~~Computer Emergency Response Team (CERT)~~  
 computer forensics  
 confidentiality  
 continuous data protection (CDP)  
 control spreadsheet  
 controls  
 corrective control  
 cracker  
~~Data Encryption Standard (DES)~~  
 DDoS agent  
 DDoS handler  
 decryption  
~~Delphi team~~  
 denial-of-service (DoS) attack  
 desktop management  
  
~~RC4~~  
 recovery controls  
 redundancy  
 redundant array of independent disks (RAID)  
 risk assessment  
~~rootkit~~  
~~RSA~~  
 script kiddies  
 secure sockets layer (SSL)  
 secure switch  
 security hole  
  
 detective control  
 disaster recovery drill  
 disaster recovery firm  
 disaster recovery plan  
 disk mirroring  
 distributed denial-of-service (DDoS) attack  
 eavesdropping  
 encryption  
 entrapment  
 fault-tolerant server  
 firewall  
 hacker  
 honey pot  
 host-based IPS  
 information warfare  
 integrity  
~~Internet Key Exchange (IKE)~~  
 intrusion prevention system (IPS)  
  
 security policy  
 smart card  
 sniffer program  
 social engineering  
 something you are  
 something you have  
 something you know  
 spyware  
 symmetric encryption  
 threat  
 time-based token  
 token  
 traffic analysis  
  
~~IP Security Protocol (IPSec)~~  
 IP spoofing  
 IPS management console  
 IPS sensor  
~~IPSec transport mode~~  
~~IPSec tunnel mode~~  
~~Kerberos~~  
 key  
 key management  
 mission-critical application  
 misuse detection  
 NAT firewall  
 network address translation (NAT)  
 network-based IPS  
 one-time password  
 online backup  
~~open source~~  
 packet-level firewall  
 passphrase  
  
 traffic anomaly analyzer  
 traffic anomaly detector  
 traffic filtering  
 traffic limiting  
~~triple DES (3DES)~~  
 Trojan horse  
 uninterruptible power supply (UPS)  
 user profile  
 user authentication  
 virus  
 worm  
 zero day attack

## Chapter 12

access layer	content caching	mandatory requirements	Simple Network
Akamai	content delivery	needs analysis	Management Protocol
<del>agent</del>	content delivery provider	needs categorization	(SNMP)
alarm	content engine	network management	simulation
alarm storm	core layer	software	system management
application management	cost assessment	physical network design	software
software	desirable requirements	policy-based management	technology design
<del>bandwidth limiter</del>	device management	remote monitoring	<del>traditional network design</del>
<del>bandwidth shaper</del>	software	(RMON)	<del>process</del>
<del>baseline</del>	distribution layer	request for proposal (RFP)	traffic analysis
<del>building block process</del>	geographic scope	RMON probe	<del>turnpike effect</del>
capacity management	latency	root cause analysis	virtual server
capacity planning	load balancing switch	server farm	wire speed
circuit loading	logical network design	service level agreement	wish-list requirements
cluster	managed device	(SLA)	
<del>Common Management</del>	managed network		
<del>Interface Protocol</del>	management information		
<del>(CMP)</del>	base (MIB)		

## Chapter 13

availability	logical network	network cost of ownership	problem tracking
charge-back policy	parameters	(NCO)	<del>quality control chart</del>
configuration management	<del>mean time between</del>	network documentation	service-level agreement
cost management	<del>failures (MTBF)</del>	network management	(SLA)
desktop management	<del>mean time to diagnose</del>	network monitoring	total cost of ownership
downtime	<del>(MTTD)</del>	network operations center	(TCO)
electronic software	<del>mean time to fix (MTTF)</del>	(NOC)	trouble ticket
distribution (ESD)	<del>mean time to repair</del>	<del>network weather map</del>	uptime
end user support	<del>(MTTR)</del>	performance management	
fault management	<del>mean time to respond</del>	physical network	
firefighting	<del>(MTTR)</del>	parameters	
help desk	monitor	problem statistics	