

Take Test: ITMO440/540 Spring 2017 Final (Part A) –

A classic algorithm that calculates a least-cost path through a network is algorithm.	
a. Dijkstra's least-cost	
O b. Dijkstra's longest-path	
O c. Turing's longest-path	
O d. Dijkstra's maximum-cost	
QUESTION 4	4 points Save
Many people consider the Trojan horse to be a form of computer O a. router	
O b. switch	
• c. virus	
○ d. firewall	
QUESTION 5	4 points Save
is data before any encryption has been performed.	
○ a. Encriptext	
○ b. Ciphertext	
© c. Plaintext	
O d. Cryptotext	
QUESTION 6	4 points Save
Theswitched network is most often found in networks designed to transfer computer data (such as the Internet).	
○ ^{a.} port	
○ b. circuit	
© c. packet	
○ d. protocol	
QUESTION 7	4 points Save
A is a common Internet tool used to verify if a particular IP address of a host exists and to see if the particular host is currently available.	

The wireless LAN term for a collection of multiple Basic Service Sets is	
• a. Extended Service Set (ESS)	
• b. Complex Service Set (CSS)	
o c. Multiple Service Set (MSS)	
O d. Basic Service Set (BSS)	
QUESTION 9	4 points Saved
A(n) is the unique piece of information that is used to create cipherten	st .
and then decrypt the ciphertext back into plaintext.	
a. encryption algorithm	
○ ^{b.} key ○ ^{c.} IP address	
o d. firewall	
O "Inewan	
QUESTION 10	4 points Save Answer
A(n) is a service from local telephone companies in which up-to-date telephone facilities at the telephone company's central (local) office are offered to business users, so that they don't need to purchase their own facilities. O a central office exchange service	
• b. interexchange carriers (IECs or IXCs)	
o c local exchange carriers (LECs)	
· · · · · ·	
o diprivate branch exchange (PBXs)	
QUESTION 11	4 points Saved
•	4 points Saved
The standard is a 56,000-bps dial-up modem standard approved by a standards-making organization rather than a single company.	4 points Saved

QUESTION 16	4 points	Save Answer
- ·		
o d. monoalphabetic		
o c. polyalphabetic		
b. transposition-based		
A cipher is different from a substitution-based cipher in that the order of the plaintext is not preserved. O a. multialphabetic		
QUESTION 15	4 points	Save Answer
○ ^{d.} polymorphic		
o di nali ma ambia		
o b. boot sector		
a file infector		
A virus is a virus that infects a piece of executable code such as an .exe or .com file.		
QUESTION 14	4 points	Save Answer
O d. NOS		
o c. firewall		
• b. proxy		
Web page that contains a malicious piece of code called a O a mobile malicious code		
One very common technique to attack a system is to deliver an e-mail or	4 poir	nts Saved
O d. DEC's VMS		
o c. AS/400		
b. Unix		
Popular operating systems for microcomputers include Mac OS X,, Linux, and the various forms of Windows XP/Vista/7. o a OS/390		

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QUESTION 17	4 points	Save Answer
software is designed to detect and remove viruses that have infected		
your memory, disks, or operating system.		
o a Uninstall		
o b Remote access		
C. Antivirus		
○ d. Backup		
QUESTION 18	4 points	Save Answer
The first security protocol for wireless LANs was O a. Wi-Fi Protected Access (WPA)		
• b. Wired Equivalency Protocol (WEP)		
○ ^{c.} IEEE 802.11i		
○ d. IPsec		
QUESTION 19	4 points	Save Answer
Typically, a switched network reaches saturation when its network utilization is at percent.		
○ a. 60		
O b. 55		
O d. 80		
QUESTION 20	4 points	Save Answer
A is a data network connection that makes use of the public		
telecommunications infrastructure but maintains privacy through the use of	f	
a tunneling protocol and security procedures.		
a. virtual private network (VPN)		
o b. TCP network		
o c DHCP		
○ ^{d.} NAT network		

QUESTION 22	4 points	Save Answer
NDS is based on a well-known standard for directory services	called	
○ a.X.700		
○ b. X.300		
○ ^{c.} X.600		
● d.X.500		
QUESTION 23	4 points	Save Answer
is a terminal emulation program for TCP/IP networks, su	ch as the	
Internet, that allows users to log in to a remote computer.		
Remote login		
O b. DNS		
O C. ARP		
O d. FTP		
QUESTION 24	4 points	Save Answer
usually involves having a software program that monitor	s every	
transaction within a system.		
○ ^{a.} Routing		
b. Computer auditing		
○ ^{c.} Firewalling		
O d. Access rights		
QUESTION 25	4 points	Save Answer
Active Directory is built around the		
• a. X.500 standard		
 b. Lightweight Directory Access Protocol (LDAP) 		
o c 802.11 protocol		
O d. Ethernet standard		
QUESTION 26	4 points	Save Answer

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QUESTION 27	4 points	Save Answer
SSL's successor is, which is based upon SSL version 3 and contains a	l	
few technical improvements over SSL.		
a. Advanced Encryption Standard (AES)		
○ b. IPsec		
c. Transport Layer Security (TLS)		
O d. Date Encryption Standard (DES)		
QUESTION 28	4 points	Save Answer
is a set of protocols developed by the Internet Engineering Tests Espe	2	
is a set of protocols developed by the Internet Engineering Task Force to support the secure exchange of data packets at the IP layer.	C	
• a. PPP		
○ b. SLIP		
⊚ c. IPsec		
O d. PPTP		
QUESTION 29	4 points	Save Answer
A is a legally binding, written document, that can include service		
parameters offered in the service, various types of service/support options,		
incentives if the service levels are exceeded, and penalties if service levels		
are not met.		
o a connection admission control		
b. service level agreement		
• c software license agreement		
o d. congestion control		
	4 points	Save Answer
QUESTION 30	4 points	
	4 points	
and virtual circuit networks require path setup time and cannot	4 points	
	4 points	
and virtual circuit networks require path setup time and cannot dynamically reroute packets should a network problem occur. O a. Wireless	4 points	
and virtual circuit networks require path setup time and cannot dynamically reroute packets should a network problem occur.	4 points	

Click Save and Submit to save and submit. Click Save All Answers to s

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QUESTION 31	4 points	Save Answe
technique is also known as disk mirroring.		
o a. RAID-0		
O b. RAID-3		
● ^{c.} RAID-1		
○ d. RAID-5		
QUESTION 32	4 points	Save Answe
lets a router represent an entire local area network to the Internet as a single IP address. • a NAT		
O b. ARP		
o c. ICMP		
o d. UDP		
QUESTION 33	4 points	Save Answe
If you are given the IPv4 address 1000 0001 1000 1101 0000 1100 1100 1		
o b. 65.77.8.110		
o c. 2.4.2.6		
o d. 65.77.12.111		
QUESTION 34	4 points	Save Answe
is a packet-switched network that was designed for transmitting data		
over fixed lines.		
○ ^{a.} IntraLATA		
O b. T-1		
Frame relay		
o d. InterLATA		

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QUESTION 36	4 points	Save Answer
IEEE addresses both weaknesses of WEP by allowing the keys, encryption algorithms, and negotiation to be dynamically assigned, and by adopting the AES encryption based on the Rijndael algorithm with 128-, 192-, or 256-bit keys. o a. 802.11g		
○ b. 802.11a • c. 802.11i		
o d. 802.11b		
QUESTION 37	4 points	Save Answer
In the older classful addressing scheme of IP addresses, how many class A addresses existed? O a. 1		
○ b. 2 million		
o c. 10		
● d. 128		
QUESTION 38	4 points	Save Answer
is a common application layer protocols that servers and the Internet use to deliver streaming audio and video data to a user's browser. • a. Real-Time Protocol (RTP)		
O b. Secure Shell (SSH)		
o c. Transport Control Protocol (TCP)		
o d. Voice over IP (VoIP)		
QUESTION 39	4 points	Save Answer
All wide area networks are collections of at least two basic types of equipment: a station and a O a link		
○ b. workstation		
• c. none		
○ ^{d.} server		

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 b. Google and Yahoo c. frame relay and FTP 			
MPLS and VPNs continue to replace which long-distance data services? • a Telnet and FTP			
QUESTION 43	4 points	Save Answe	
• d. IPv6			
○ c. IPv5			
○ b. IPv4			
One of the biggest changes to affect the Internet will be the continuing adoption of a new version of the Internet Protocol, version • a. IPv3			
QUESTION 42	4 points	Save Answe	
o d. antivirus			
o c. sniffer			
b. crash protection			
The primary goal of software is to perform crash stalling, or to try to keep the operating system running long enough to perform a graceful exit of an entwork monitoring			
QUESTION 41	4 points	Save Answe	
O d. Date Encryption Standard (DES)			
• c. IPsec (IP security)			
 b. Transport Layer Security (TLS) 			
a. Advanced Encryption Standard (AES)			
is a set of protocols created to support the secure transfer of data at the IP layer.			

is high-quality encryption software that has become quite popular for creating secure e-mail messages and encrypting other types of data files for average users. O a. 3DES		
O b. AES		
• c. PGP		
○ d. DES		
QUESTION 46	4 points	Save Answer
As long as a telephone call remains within a LATA (a(n) call), the telephone call is local and is handled by a local telephone company. O a extraLATA		
• b. intraLATA		
o c outerLATA		
outLATA		
QUESTION 47	4 points	Save Answer
After the 1984's Modified Final Judgment, the long-distance telephone companies became known as • a central office exchange service	·	
^o b. local exchange carriers (LECs)		
• interexchange carriers (IECs or IXCs)		
o d. private branch exchange (PBXs)		
QUESTION 48	4 points	Save Answer
The intent of SDLC is for not to be disjointed steps in a big plan, but overlapping layers of activity. O a cycles		
○ ^{b.} levels		
O c. rounds		

telephone companies, now called, must give CLEC telephone lines.	existing local Cs access to their
 a. incumbent local exchange carriers (ILECs) b. interexchange carriers (IECs) 	
• c. Centrex (central office exchange service)	
o d. private Branch Exchange (PBX)	
During the late 1960s, a branch of the U.S. government t created one of the country's first wide area packet-switch	
 a. Advanced Research Projects Agency (ARPA) b. Domest versity of Defense 	
O b. Department of Defense	
o c IEEE	
•	

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