Network Design - 2016 SLC			
the	<ol> <li>is a set of rules applied by the owner or manager of a netwo the network, website, or system may be used.</li> <li>A) Logging policy</li> <li>B) Audit log</li> <li>C) Acceptable use policy</li> <li>D) Disaster recovery plan</li> </ol>	k, website or large computer system that restrict the ways in which	
ŕ	<ul> <li>2) is the application of patches without shutting down and rest</li> <li>A) Hot patching</li> <li>B) Slipstreaming</li> <li>C) Rebooting</li> <li>D) Porting</li> </ul>	arting the system or the program concerned.	
ŕ	<ul> <li>3) The most common type of communication media used in local area</li> <li>A) SONET</li> <li>B) Token Ring</li> <li>C) Ethernet</li> <li>D) POE</li> </ul>	network (LAN) technology is known as:	
Í	<ul> <li>4) What part of an HP LaserJet printer is malfunctioning if you received. A) Fuser</li> <li>B) AC power supply</li> <li>C) Toner cartridge</li> <li>D) Laser scanner assembly</li> </ul>	e a "50 Service" error?	
rou	5) An overriding design rule for 10/100Mbps Ethernet networks is roround-trip collision delay must <b>not</b> exceed?  A) 15 hops B) 512 bit-times C) 0.64 microseconds D) 64 hops	und-trip collision delay. What is the specification which this	
boo	6) Your network consisted of older BIND servers and peer-to-peer not configure your clients to join the new domain. You try to push out gro booting very slowly. What is likely the problem?  A) Wrong rights and permissions  B) Pointing to older DNS servers  C) Older PC computers  D) Wrong IP addressing		
Í	7) Network involves determining how to meet capacity require A) research B) testing C) planning D) realization	ments, and ensure reliability within the network.	
logi	8) Which term describes hubs or switches that can be connected to earlogical device?  A) multi-port B) stackable C) invisible D) monitored	ch other in a telecommunications closet, but appear to be a single	
ŕ	<ul> <li>9) Which protocol is used by network monitoring tools to report fault</li> <li>A) TFTP</li> <li>B) SMTP</li> <li>C) SNMP</li> <li>D) FTP</li> </ul>	s to a network manager?	
10)	10) Which protocol is used by network monitoring tools to report fau A) FTP B) TFTP C) SNMP	lts to a network manager? D) SMTP	

ŕ	The Memory Buffer Register (MBR) A) Contains the address of the memory laborated B) Is a hardware memory device which decorated C) Is a group of electrical circuits (hardward) Contains a copy of the designated memory write"	denotes the location of the care) that performs the inter	current instruction being execut of instructions fetched fro	om memory.
	Software that allows an administrator to erically referred to as  A) Configuration management software B) Disk writer software C) Image writer software D) System duplicator software	clone a complete computer	system to deploy to other c	omputers of similar design is
	The Memory Buffer Register (MBR) A) Contains the address of the memory I B) Is a hardware memory device which d C) Contains a copy of the designated me "write" D) Is a group of electrical circuits (hardware)	lenotes the location of the omory location specified by	current instruction being exe the MAR after a "read" or the	ne new contents of the memory prior
	You install a newly purchased sound care system. Moreover, your modem, which hat A) The sound card is using the same IRCB) The modem is 16-bit and sound card C) The drivers for the sound card need to D) The sound card and modem are using	as always worked perfectly, I as the modem. is 32-bit, meaning that they o be updated.	has stopped functioning. What cannot both be used in the	nat is probably the problem?
15)	A computer is experiencing random reboth.  A) Replace the power supply.  B) Replace the motherboard.  C) Open the cover and reseat all cards an D) Boot "clean."		ms that disappear after rebo	ot. What should you do?
16)	What does it mean if a network administ A) The computer is not configured to us B) The computer is not configured to us C) The computer is not configured to us D) The computer is not configured to us	e ARP e DHCP e DNS	erver using its IP address, bu	t <b>not</b> its Internet name?
17)	Which subnet mask will divide a class C (A) 255.255.255.128 B) 255.255.255.0 C) 255.255.255.255 D) 255.255.00	network into two equal sub	nets?	
18)	Which one of the following is <b>not</b> an IPv A) unicast B) broadcast C) multicast D) anycast	v6 address type?		
19)	Microsoft's proprietary directory service A) Lightweight B) Domain C) Replication D) Active	built using LDAP, Kerbero	s, and DNS is known as	Directory.
the	The license is the most widely use freedoms to use, study, share (copy), and name.	modify the software. Software.	are that ensures that these rig	ghts are retained is called free
	A) Creative Commons	B) GNU GPL	C) Proprietary	D) BSD

21)	What phase of network design would you assess the project scope?  A) plan  B) design  C) prepare  D) implementation
22)	Which form of communications media has the highest bandwidth capacity and can cover the longest distance?  A) 1000 Mbps UTP  B) single-mode fiber  C) backbone coax  D) multi-mode fiber
·	What standard is referenced for servers with redundant drive systems A) SATA B) iSCSI C) RAID D) IDE
24)	Software that allows one computer to run multiple, independent, operating systems on one physical server is called A) Clustering B) Virtualization C) Mastering D) Simulating
25)	Which of the following communications lines is best suited to interactive processing applications?  A) Simplex lines  B) Mixed band channels  C) Narrow band channel  D) Full duplex lines
·	A model for computing where some computers request services and other computers respond to requests for services is called A) Host/response B) Client/server C) Request/Response D) Thin Client
27)	The most important component when designing a server is A) RAM B) Optical mouse C) Video card D) Sound card
28)	What stage of the maintenance cycle is most often overlooked by Administrators A) System upgrades B) Reactive maintenance C) Proactive maintenance D) Documentation
29)	What physical implementation requirement would deal with procurement of legal documents to complete the project?  A) physical accessibility B) permits or inspections C) power supply D) space requirements
30)	In schools and hospitals it is recommended to use rated cabling.  A) Parabellum  B) Distance C) Rotunda D) Plenum

	B) /setclassid C) /displaydns D) /flushdns
33)	Which of the following are NOT messages sent between client and server during the lease process?  A) DHCPACK B) DHCPOFFER C) DHCPDISCOVER D) DHCPINFORM
34)	UTP network cable typically has what type of connectors at each end? A) RJ-45 B) AUI C) BNC D) RJ-11
35)	What command will display the line, protocol, DLCI, and LMI information of an interface?  A) Show run  B) Show interface  C) Show pvc  D) Show frame-relay pvc
36)	What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?  A) Host-to-Host B) Application C) Network Access D) Intranet
37)	Which of the following describe the DHCP Discover message?  A) It uses FF:FF:FF:FF:FF:FF as a layer 2 broadcast and it uses UDP as the Transport layer protocol  B) It uses TCP as the Transport layer protocol and it does not use a layer 2 destination address  C) It uses FF:FF:FF:FF:FF as a layer 2 broadcast  D) It does not use a layer 2 destination address
38)	Which of the following allows a router to respond to an ARP request that is intended for a remote host?  A) Reverse ARP (RARP)  B) Gateway DP  C) Proxy ARP  D) Inverse ARP (IARP)
39)	Which of the following protocols uses both TCP and UDP? A) Telnet B) DNS C) SMTP D) FTP
	Two connected routers are configured with RIP routing. What will be the result when a router receives a routing update that contains gher-cost path to a network already in its routing table?  A) The update will be ignored and no further action will occur  B) The updated information will be added to the existing routing table  C) The updated information will replace the existing routing table entry  D) The existing routing table entry will be deleted from the routing table and all routers will exchange routing updates to reach
COn	by The existing founding table entry will be deleted from the founding table and all founds will exchange founding updates to feach

31) How might you be able to tell a slower running port on a switch simply by visual inspection?

32) Which Windows IPconfig switch can be used to flush and reset the contents of the DNS client resolver cache?

A) different color link lightB) the uplink port light is off

D) the slow light is illuminated

C) audible buzzer

A) /registerdns

41)	What is route poisoning?  A) It sends back the protocol received from a router as a poison pill, which stops the regular updates  B) It describes when a router sets the metric for a downed link to infinity  C) It is information received from a router that can't be sent back to the originating router  D) It prevents regular update messages from reinstating a route that has just come up
com	A switch has been configured for three different VLANs: VLAN2, VLAN3, and VLAN4. A router has been added to provide munication between the VLANs. What type of interface is necessary on the router if only one connection is to be made between the er and the switch?  A) 1Gbps Ethernet  B) 100Mbps Ethernet  C) 56Kbps Serial  D) 10Mbps Ethernet
ŕ	In Cisco's Unified Wireless Solution, what is the split-MAC architecture?  A) The split-MAC architecture uses MAC addresses to create a forward/filter table and break up collision domains  B) The split-MAC architecture uses MAC addresses on the wireless network and IP addresses on the wired network  C) The split-MAC architecture allows the splitting of 802.11 protocol packets between the AP and the controller to allow processing ooth devices
	D) The split-MAC architecture uses MAC addresses to create a forward/filter table and break up broadcast domains
	Users began to experience slow logins after administrators told users to save all files to the My Documents and Desktop locations, t is likely the problem?  A) large roaming profiles B) network overload C) excessive bandwidth D) large policy files
45)	Frames from one LAN can be transmitted to another LAN via this device?  A) Router  B) Bridge  C) Modem  D) Repeater
46)	Frames from one LAN can be transmitted to another LAN via this device?  A) Router  B) Repeater  C) Modem  D) Bridge
47)	The primary benefits a corporation receives from performing a softwareare greater control and various forms of cost savings.  A) order  B) licensing audit C) update D) replacement
48)	What does a VLAN do?  A) Provides multiple broadcast domains within a single collision domain  B) Acts as the fastest port to all servers  C) Breaks up broadcast domains in a layer 2 switch internetwork  D) Provides multiple collision domains on one switch port
49)	What is the main reason the OSI model was created?  A) To create a layered model larger than the DoD mode  B) So Cisco could use the model  C) So different networks could communicate  D) So application developers can change only one layer's protocols at a time
	After you and your client have agreed upon the of the prototype and the test suites to be carried out, it is time to write a plan describes exactly how you will test them.  A) software B) age C) hardware D) scope

	From a management perspective gives users access to data repositories or grant authorization systems, networks applications, databases based on a unique user identity.  A) scaling B) filtering C) provisioning D) initial discovery
	a tool to measure bandwidth and response times between two hosts using Internet Control Message Protocol (ICMP) echo nest/echo reply mechanism.  A) Ipconfig B) Ip C) Ifconfig D) BWPing
	is an open source computer system monitoring, network monitoring and infrastructure monitoring software application that ers monitoring and alerting services for servers, switches, applications, and services.  A) Yum  B) Apache C) Orion D) Nagios
54)	It is recommended to create for backups, virus prevention, and software distribution.  A) Event logs B) Documentation C) System logs D) Error logs
	With Windows Disk quotas, you can set quota limits on individual users, or you can have limits apply equally to all non-administrative es. Unfortunately, you can't set limits on:  A) individual accounts B) hard drives directory C) an RDP connection D) groups of users
56)	How to implement a network medium that is <b>not</b> susceptible to EMI. Which type of cabling should you use?  A) Fiber-optic cable  B) Thicknet coax  C) Thinnet coax  D) Category 5 UTP cable
57)	When data is encapsulated, which is the correct order?  A) Segment, data, packet, frame, bit  B) Data, segment, packet, frame, bit  C) Data, segment, frame, packet, bit  D) Data, frame, packet, segment, bit
58) mas	What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet ik?  A) 14 B) 30 C) 16 D) 15
59)	What type of RJ45 UTP cable is used between switches?  A) Crossover with a CSU/DSU  B) Crossover with a router in between the two switches  C) Crossover cable  D) Straight-through
60)	Which WAN encapsulations can be configured on an asynchronous serial connection?  A) ATM and SDLC  B) HDLC and SDLC  C) PPP and ATM  D) Frame Relay

61)	Which WAN encapsulations can be configured on an asynchronous serial connection?  A) ATM and SDLC  B) HDLC and SDLC  C) PPP and ATM  D) Frame Relay
62)	When securing system resources, the acronym UGP stands for: A) Users, Groups, Permissions B) Users, Groups, Processes C) Users, Global Groups, Process D) Users, Global Groups, Principles
63)	Which statement is true regarding the significance of the access control list wildcard mask 0.0.0.7?  A) The first 29 bits of a given IP address will be ignored.  B) The first 29 bits of a given IP address will be checked.  C) The last 3 bits of a given IP address will be checked.  D) The first 32 bits of a given IP address will be checked.
	A receiving host has failed to receive all of the segments that it should acknowledge. What can the host do to improve the reliability of communication session?  A) Restart the virtual circuit  B) Decrease the window size  C) Send a different source port number  D) Decrease the sequence number
65)	Acknowledgments, sequencing, and flow control are characteristics of which OSI layer?  A) Layer 7  B) Layer 4  C) Layer 3  D) Layer 2
66)	If you have a very small network, files may be preferred to DNS. A) HOSTA B) LMHOSTS C) HOSTS D) NTLM
	is a tunneling protocol used to support virtual private networks (VPNs) or as part of the delivery of services by ISPs and does provide encryption or confidentiality.  A) PPTP B) L2TP C) SCCM D) B2B
,	You have an interface on a router with the IP address of 192.168.192.10/29. Including the router interface, how many hosts can have addresses on the LAN attached to the router interface?  A) 8 B) 30 C) 32 D) 6
69)	On a VLSM network, which mask should you use on point-to-point WAN links in order to reduce the waste of IP addresses?  A) /28 B) /30 C) /29 D) /27
70)	When a new trunk link is configured on an IOS-based switch, which VLANs are allowed over the link?  A) No VLAN's are allowed, you must configure each VLAN by hand  B) By default, all VLANs are allowed on the trun  C) Only configured VLAN's are allowed on the link  D) Only extended VLAN's are allowed by default

	You want to improve network performance by increasing the bandwidth available to hosts and limit the size of the broadcast nains. Which of the following options will achieve this goal?  A) Bridges B) Switches C) Switches configured with VLANs D) Managed Hubs
72)	What does IOS stand for?  A) An operating system used for mobile devices made by Apple B) Investment Opportunity Set C) Irish Over Seas D) Institute of Oceanographic Sciences
73)	Which of the following is <b>true</b> when describing a multicast address?  A) Packets are delivered to all interfaces identified by the address. This is also called a one-to-many address  B) Identifies multiple interfaces and is only delivered to one address. This address can also be called one-to-one-of-many  C) These addresses are meant for nonrouting purposes, but they are almost globally unique so it is unlikely they will have an address clap  D) Packets addressed to a unicast address are delivered to a single interface
74) over	Which of the following is <b>true</b> when describing a unicast address?  A) These addresses are meant for nonrouting purposes, but they are almost globally unique so it is unlikely they will have an address clap  B) These are your typical publicly routable addresses, just like a regular publicly routable address in IPv4  C) These are like private addresses in IPv4 in that they are not meant to be routed  D) Packets addressed to a unicast address are delivered to a single interface
75)	Which of the following is <b>true</b> when describing a unique local address?  A) Packets addressed to a unicast address are delivered to a single interface  B) These addresses are meant for nonrouting purposes, but they are almost globally unique so it is unlikely they will have an address clap  C) These are your typical publicly routable addresses, just like a regular publicly routable address in IPv4  D) These are like private addresses in IPv4 in that they are not meant to be routed
76)	is a computer network technology that encapsulates Fibre Channel frames over Ethernet networks.  A) Fibre Channel over Ethernet  B) HyperSCSI C) iFCP D) ATA over Ethernet
77)	The UPS offers only the most basic features, providing surge protection and battery backup.  A) Line-interactive  B) Online/double-conversion  C) Modular  D) Offline/standby
	is a technology included in Microsoft Windows that allows taking manual or automatic backup copies or snapshots of data, a if it has a lock, on a specific volume at a specific point in time over regular intervals.  A) System repair  B) Shadow copy  C) Backup and restore  D) Cron
79)	The foundation of business are the standards, program development, and supporting policies.  A) continuity B) policies C) software D) hardware
80)	The primary purpose of ais to recover data after its loss, be it by data deletion or corruption.  A) backup B) recovery policy C) hard drive D) floppy drive

	If you want to create a schedule for backups, but need to run backups at different times on different days, you can use Task Scheduler the start backup command to run a series of tasks to create backups.  A) Wbadmin  B) Xcif  C) Badmin  D) Tar
82)	In relation to encryption, a "key" is a: A) string of random characters B) pointer to a random number C) index in an lookup table D) metal object with notches and groves
	systems are typically built around a client software program that runs on a schedule, typically once a day, and usually at night le computers aren't in use.  A) Online backup  B) UPS  C) TAR  D) Zip
84)	A is a device intended to improve the quality of the power that is delivered to electrical load equipment.  A) UPS  B) line conditioner  C) surge protector  D) battery backup
85)	RAID is the acronym for:  A) Reliable Arrangement for Inexpensive Disks B) Relocatable Archive for Important Documents C) Redundant Array of Independent Disks D) Reconfigurable Allocation of Individual Disks
86)	RAID level 5 is also called: A) Disk Striping with Parity B) Disk Mirroring with Striping C) Disk Striping for NAS D) Disk Striping with Duplexing
87)	In addition to providing security, a multihomed proxy server performs:  A) Authentication B) Encryption C) NAT D) Bridging
88)	The type of groups that has a GUID attached to it so that you can use it to assign rights and permissions is called A) Distribution B) Object C) Permissions D) Security
	What RAID format is considered the best by most administrators because it does not require the operating system to handle most of data striping and parity calculations?  A) Software RAID  B) Super RAID  C) Master RAID  D) Hardware RAID
90)	In a FDDI network, the purpose of the dual counter-rotating rings is to provide: A) electrical interference immunity B) high reliability C) high throughput D) transmit receive balance

local	A is a wireless access point that has either been installed on a secure company network without explicit authorization from a network administrator.  A) DNS server  B) Wi-Fi controller  C) rogue access point  D) DHCP server
a diff	A client connects to the server, requesting some service, such as a file, connection, web page, or other resource available from ferent server and the proxy server evaluates the request as a way to simplify and control its complexity.  A) tunnel  B) VLAN  C) VPN  D) proxy
objec	is a type of access control defined by the Trusted Computer System Evaluation Criteria "as a means of restricting access to cts based on the identity of subjects and/or groups to which they belong.  A) WAC  B) ACL  C) DAC  D) CACL
ŕ	What protocol suite has made interconnecting network operating systems much easier?  A) AppleTalk B) IPX/SPX C) TCP/IP D) NetBEUI
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ŕ	Transport layer protocols break data in to units known as what? A) Packets B) Chips C) Frames D) Segments
ĺ	What IEEE standard describes Ethernet? A) 802.3 B) 802.16 C) 802.11 D) 802.27
ŕ	What type of software scans a network for open ports? A) Ripper B) Cracker C) Port scanner D) Sniffer
ĺ	What is the term for trying combinations of a user ID with every possible character combination until successful?  A) Brute force B) Phreaking C) DDoS D) Dictionary
100)	What is the most common method for encrypting TCP/IP communications?  A) HKEY B) PGP C) SSL D) Kerberos

## 2016 SLC Network Design Key

201	6 SLC Network D
1)	С
2)	A
3)	С
4)	C
5)	В
6)	В
7)	D
8)	В
9)	С
10)	
11)	D
12)	A
13)	C
14)	A
15)	C
16)	C
17)	A
18)	В
19)	D
20)	В
21)	C
22)	В
23)	C
24)	В
25)	D
26)	В
27)	A
28)	D
29)	В
30)	D
31)	A
20)	D

32) D

33) D

34)	A
35)	В
36)	A
37)	A
38)	C
39)	В
40)	A
41)	В
42)	В
43)	C
44)	A
45)	В
46)	D
47)	В
48) 49)	C
49)	C
50)	D
51)	
52)	
	D
54)	В
55)	D
56)	A
57)	В
58)	В
59)	C
60)	C
61)	C
62)	A
63)	В
64)	В
65)	В
66)	C
67)	В

100) C