## Note: Only the answers written in this sheet will be scored!

一、Answer sheet

1					

- 1. Which of the following description about OSI layers is incorrect?
  - A. The application layer contains a variety of protocols that are commonly needed by users
  - B. The transport layer is concerned with the syntax and semantics of the information transmitted.
  - C. The network layer controls the operation of the subnet and determines how packets are routed from source to destination
  - D. The data link layer is to transform a raw transmission facility into a line that appears free of undetected transmission errors.

2.	The three central concepts of the OSI model are	
	A. services, interfaces and protocols	B. architecture, model and switching
	C. subnet, layering and port	D. protocols, layers and interfaces

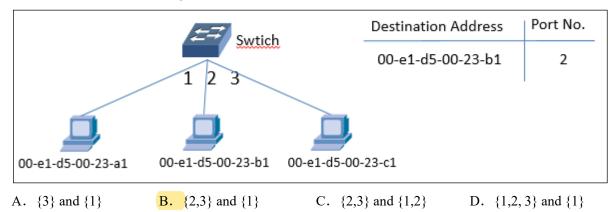
3.	Once upon a time, people thought that the OSI model and its protocols were going to take over the world and push everything else out of their way. This did not happen. Why? A look back at some of the reasons may be useful. They can be summarized as following except for :						
	A. Bad timing. B. Bad technology. C. Bad price. D. Bad implementations.						
4.	means that the switch or router must receive the entire packet before it can begin to transmit the first bit of the packet onto the outbound link.  A. Queuing delay  B. Store-and-forward transmission  C. Packet switching  D. Propagation						
5.	Suppose a system has a four layer protocol hierarchy. Applications generate messages of length 320bytes. At each of the layers (including topper and bottom layers), an 20byte header is added. What fraction of the network bandwidth is filled with headers?  A. 0.20 B. 0.25 C.0.30 D. 0.40						
	chapter 2						
6.	In the system, the users take turns, each one periodically getting the entire bandwidth for a little burst of time.  A. FDM B. TDM C. WDM D. CDM						
7.	Television channels are 4 MHz wide. How many bits/sec can be sent if sixteen-level digital signals are used? Assume a noiseless channel.  A. 16Mbps B. 24Mbps C. 32Mbps D.40Mbps						
8.	If a binary signal is sent over a 3-kHz channel whose signal-to-noise ratio S/N is 31, what is the maximum achievable data rate?  A. 6 kbps  B. 12 kbps  C. 15 kbps  D. 18 kbps						
9.	In packet switching, circuit switching, and message switching, which one does not utilize store-and-forward transmission technology?  A. packet switching  B. circuit switching  C. message switching  D. none of above						
10.	Which protocol does not belong to the data link layer?  A. HDLC  B. ICMP  C. PPP  D. SDLC						
11.	Which of the following factors does not affect the channel data transfer rate ( )?  A. Signal to noise ratio B. Frequency Bandwidth C. Modulation rate D. Signal propagation speed						

	•				
	A. 36 kbps	B. 32 kbps	C.	63 kbps	D. NONEOF ABOVE
13.	Which one can	be used as a ke	ey compon	ent of optical to	ransmission system?
	A. UTP	B. semicon	ductor lase	r device	
	C. HUB	D. Wil	Fi router		
1.4	771 11 1 .	. 11 . 00	1.1 1	CC C. 1 1	
14.				_	none company are known as the
	A. local loop	B. trunk	C. mici	owave line	D. coaxial cable
15.	It is impossible	for	to cause	transmission in	npairments of telephone local loop.
		t Fourier comp			
	B. thermal	-	onomo proj	,g	areas apoca
		k between two	close wire	,	
			ciose whe	•	
	D. multipa	ın radıng			
16.	An T1 channel	contains 24 PC	M signals.	its data rat	ee is
	A. 2.048 M		. 1.544 Mł		
	C. 64kbps	1	D. 2.	•	
	e. o mops		2. 2	у сорь	
	chapter	· 3			
17.	Bit string 11101	11111101 will b	ecome	afte	r bit stuffing.
	A. 1110111	1011101		B. 1110111	1101101
	C. 1110111	111101	D	11101111110	101
18.				-	ciency during frame transmission?
	A. checksur	m B. con	trol C.	protocol D	. length
10	What is the rema	ainder obtained	by dividin	a v <sup>7</sup> +v <sup>5</sup> +1 by t	he generator polynomial x <sup>3</sup> +1?
19.	A. 110	B. 011	C. 111		ne of above
	A. 110	D. 011	C. 111	D. Noi	ie of above
20.	Which is not a c	orrect method t	o build VI	ANs?	
		ort of switch is			
		ort of switch is	_		har.
	• 1		·	•	oci,
	•	IAC address is	Č	· ·	1 2 . 1 . 1.1
	_	orts sending ar	id receiving	g payload of th	e same layer 3 protocol are assigned the same
	VLAN ID;				
2.1	******* *** **	1 .1 1	1 . 1	. 2.1.	
21.	_	code, the code	which car	correct 3 bit	errors at most may detect at most
	error(s).				
	A. 5	B.6	C.7	D. 8	
			0 0	44040	
22.		ainder obtained	for a frame	e 1101011111 ı	using the generator polynomial $G(x) = x^4 + x + x^4$
	1?				
	A. 0101 H	3. 0110 <b>(</b>	C. 0010	D. 1100	

23.	What is the maximu serial number?	m sending window siz	ze of the selective rep	eat protocol when use 3 bits for frame
	A. 4	B. 5	C. 6	D. 7
24.		ata frame is known as		nents so that they can be hooked onto  D. hooking
	chapter 4			
25.	What is the baud rat	e of classic 10-Mbps I	Ethernet?	
	A. 10M	B. 15M	C. 20M	D. 25M
26.	According to CSMA frame must not less		ion time of the line i	s 100ms, the transmission time of the
	A. 100ms	B. 200ms	C. 400ms	D. 500ms
27.		n algorithm called bin		-off, after 3 collisions, the station will
	A. 7	B. 8	C. 15	D. 16
28.	A. the same collision B. the same collision C. the same broadca	by a single new route n domain and the same n domain but different st domain but different n domains and differen	broadcast domains broadcast domains at collision domains	
29.	for frame 1, 3, and 5 back-n and the acknowledge	5, the next frame it wi	ll retransmit is frame	timeout receives the acknowledgments (assume the protocol is go- e number received correctly.)
30.	<ul><li>A. If station X receinterfere with A's</li><li>B. If station X receinter with other station</li><li>C. If station X has receintered</li></ul>	s receipt of CTS. ved RTS, but did not rens.	A, X must remain sileccive CTS, then X careceived CTS, then X	ent for a short time so that X will not n transmit its data and will not interfere may not transmit its data
31.	A. A port belongs	t up port-based VLAN to two different VLAN ent switches belongs to ion	Ns	possible to achieve?

## D. Multicast function

32. An Ethernet topology and the current forwarding table of the switch are shown in the following figure. Hosts 00-e1-d5-00-23-a1 send a data frame to host 00-e1-d500-23-c1. After receiving this frame, host 00-e1-d5-00-23-c1 sends host 00-e1-d5-00-23-a1 a confirmation frame. The forwarding ports of the two frames on the switch are ().



chapter	5	

33	Which is not the	nrivate address	that will not	annear in Intern	et dataoram?
22.	Willeli is not the	private address	mai win noi	appear in intern	ci datagram:

- A. 10.3.18.82
- B. 192.168.8.3
- C. 10.0.0.1
- D. 172.33.8.8
- 34. Which protocol is used in command "ping 10.214.8.9"?
  - A. ARP
- B. ICMP
- C. RARP
- D. ECHO
- 35. \_\_\_\_\_ is not a legal IPV6 address.
  - A. 2A00::1345:A367:892B:24E0
- B. 1382:4567:89AB:CDEF

- C.::124.21.50.48
- D. 2A43:0000:0000:0000:0123:4567:89AB:CDEF
- 36. RIP is a
  - A. Interior Gateway Protocol
- B. Exterior Gateway Protocol
- C. static routing protocol
- D. link state routing protocol
- 37. Which of the following devices is needed for a packet to be passed from one LAN to Internet?
  - A. Bridge

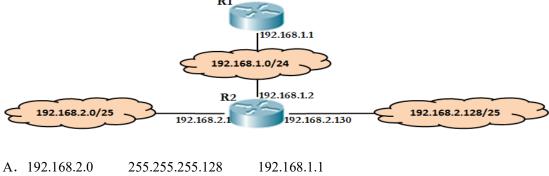
B. Router

C. Switch

- D. Hub
- 38. Which one is not a part of link-state routing?
  - A. A router discovers its neighbors and learns their network addresses.
  - B. Measure the delay or cost to each of its neighbors.
  - C. Exchange routing table with its neighbors.
  - D. Construct a packet telling all it has just learned.

39.	9. What is the valid host range for subnet 222.101.10.32, mask 255.255.255.252?						
	A. 202.101.10.0 through 202.101.10.255						
	B. 202.101.10.32 throu	igh 202.101.10.63					
	C. 202.101.10.33 throu	igh 202.101.10.62					
	D. 202.101.10.33 throu	igh 202.101.10.34					
40.	A router has the follow	ring (CIDR) entries	in its routing table:				
	Address	mask	Next hop				
	135.46.64.0	255.255.192.0	192.168.0.1				
	135.46.80.0	255.255.240.0	172.16.0.1				
	135.46.128.0	255.255.224.0	10.0.0.1				
	0.0.0.0	0.0.0.0	123.0.0.1				
	Which is the next hop	if a packet with the	e destination address 1	35.46.125.80 arrives?			
	A. 192.168.0.1	B. 10.0.0.1	C. 172.16.0.1	D. 123.0.0.1			
41.	is a dynamic m	nanning protocol in	which a MAC address	s is found for an IP address.			
	A. RARP	mpping protocor in	which a full to address.	s is round for an ir address.			
	B. ARP						
	C. ICMP						
	D. None of the above	<b>5</b>					
	2. 1,011.0 01 01.0 000 1						
42.	Which utility program	is designed to find	the routers along the	path from the host to a destination IP			
	address.?						
	A. traceroute						
	B. ping						
	C. ttcp						
	D. Netstate						
43.	The IP protocol provid	es for servi	ce.				
	A. reliable and conne						
	B. non-routable						
	C. unreliable and cor	nnectionless					
	D. none of the above						
44.	The subnet mask for a	network is 255.25	55.255.224. How man	y valid host addresses are available?			
	(Disregard special adda	resses)					
	A. 14 B. 16	C. 30	D. 32				
45.	If a host with IP addres	ss 120.10.77.55 and	l mask 255.255.252.0 v	wants to send a broadcast packet in its			
	subnet, the destination	address of the pack	et is .	_			
		120.10.76.255	C. 120.10.77.255	D. 120.10.79.255			
46.	In the TCP / IP reference A. PPP B. IP	ce model, pr C. UDI	ovides a direct service P D. TCP	for ICMP.			

47. There is a network as following figure. Router R1 has only a route to subnet192.168.1.0/24. In order to making R1 can route to all subnet in the figure, which routing information (destination network, mask, next hop) should be added in R1:



Α.	192.168.2.0	255.255.255.128	192.168.1.1
В.	192.168.2.0	255.255.255.0	192.168.1.1
C.	192.168.2.0	255.255.255.128	192.168.1.2
D.	192.168.2.0	255.255.255.0	192.168.1.2

-----chapter 6 -----

- 48. Which of the following does UDP guarantee?
  - A. Sequence numbers on each user datagram
  - B. Acknowledgements to the sender
  - C. Flow control
  - D. None of the above
- 49. Host A sends host B a TCP segment (SYN=1, seq=220) for establishing a connection. Which is the possible segment that host B then correctly sends if host B received the connection request?
  - A. (SYN=0, ACK=0; seq=221, ack=221)
  - B. (SYN=1, ACK=1; seq=220, ack=220)
  - C. (SYN=1, ACK=1; seq=221, ack=221)
  - D. (SYN=0, ACK=0; seq=220, ack=220)
- 50. When a host receives a TCP segment with an acknowledgement number as 500, it means . .
  - A. TCP Segment 499 has been received
  - B. TCP Segment 500 has been received
  - C. The bytes up to and including 499 has been received
  - D. The bytes up to and including 500 has been received
- 51. For TCP 3-way handshake connection establishment, which of the following combination is for the second-way (Connection Accepted)?
  - A. SYN=1,ACK=1

    B. SYN=1,ACK=0

    C. SYN=-0,ACK=1

    D. SYN=0,ACK=0
- 52. Suppose that the TCP congestion window is set to 18 KB and a timeout occurs. How big will the window be if the next six transmission bursts are all successful? Assume that the maximum segment size is 1 KB.
  - A. 9 KB
- B. 10 KB
- C. 16KB
- D. 32B

Hos	t A continuously sends	s host B two TCP	segments, which	sequence number is 100 and 220. Please answe	r
foll	owing 4 questions:				
53.	How many bytes of c	lata does the first	segment bring?		
	A. 99	3. 100	C. 120	D. 220	
54.	What is the acknowle	dgment number	which host B send	ls after the first message is successfully received	1?
	A. 99	3. 100	C. 120	D. 220	
55.		_		sends after the second message is successfully e second segment which host A sent?	7
	A. 99	3. 100	C. 120	D. 220	
56.	=			the second reached host B and then host B send	S
	host A an acknowled		C		
	A. 99	3. 100	C. 120	D. 220	
	chapter 7				
57.	The resolver in DNS	client sends a pa	cket to a,	which then looks up the name and returns the ip	)
	address to the resolve	er.			
	A. proxy name serve	r	B. authori	tative name server	
	C. local name server		D. top-lev	rel name server	
58.	Which protocol does	not match its we	ll-known port?		
	A.POP3 vs 120		B. Telnet	vs 23	
	C.FTP vs 21		D. SMTP vs	25	
59.	Which is used to kee	p track of a user	and its related inf	Formation by the Web server?	
	A. web cache		B. pe	ersistent connection	
	C. cookie		D. co	onditional GET	
60.	HTML tag is u	used to define a h	yperlink .		
	A. <input <="" name="" td=""/> <td></td> <td>B. <a href="&lt;/td&gt;&lt;td&gt;"></a></td> <td></td>		B. <a href="&lt;/td&gt;&lt;td&gt;"></a>		
	C. <form <="" name="" td=""><td></td><td>D. </td></form>		D.		

D. HTTP is client-server architecture.

63.	When a user clicks on a hyperlink, http://www.zju.edu.cn/lib/index.html, the browser carries out a series of steps in order to fetch the page pointed to. Which one is not in these steps?  A.) The browser determines the URL  B.) The browser asks DNS for the IP address of www.zju.edu.cn  C.) The browser sends a UDP request asking for file /lib/index.html  D.) The browser displays all the text in index.html					
64.		In order to i	mproving pe  B. server		adoing. Servers, routers, and lines are frequently of accessing Web pages, we can use following tworks	
65.	Which protochomepage?	col is perhap	s not to be	used when u	using a browser to access a university Web site	
	A. PPP	B. ARP	C. UDP	D. SMT	ГР	
	chap	oter 8				
66.	Cipher block	chaining can	be used to pr	event attack	to .	
	A. RSA	B. AES	C. SHA-1		PGP	
67.	Which key is A. The sender B. The sender C. The receiv D. The receiv	r's public key r's private key ver's public ke	y Y	using public	e-key cryptography?	
68.	Which key is A. The public B. The privat C. The public D. The privat	e key of the we key of the be key of the C.	ebsite rowser A	the certifica	te of the website?	
69.	The purpose information of A. secrecy B. integrity C. authentic D. Nonrepu	or entering into			om you are talking to before revealing sensitive	
70.	The main pub it is very diffi A. DES		large number	rs. C. MD5	which derives its strength from the fact that D. RSA	

For following 5 questions, please calculate the transmission delay and the propagation delay: Transmission distance between the sending and receiving ends is 1000km. Signal propagation speed in the media is  $2x10^8$ m/s.

71. If the data length is 10<sup>7</sup> bits and the data transmission rate is 100kbps, then the transmission delay is

A. 1s

B. 10s

C. 10s

D. 100s

72. If the data length is 10<sup>7</sup> bits and the data transmission rate is 100kbps, then the propagation delay is

A. 10s

B. 1s

C. 50ms

D. 5ms

73. If the data length is  $10^3$  bits and the data transmission rate is 1Gbps, then the transmission delay is

A. 10s

B. 1s

C. 1ms

D. 1μs

74. If the data length is  $10^3$  bits and the data transmission rate is 1Gbps, then the propagation delay is . .

A. 10s

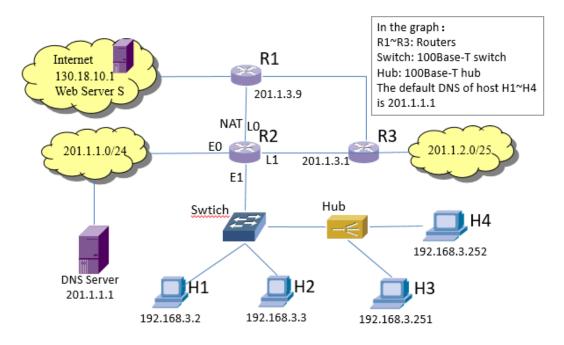
B. 1s

C. 50ms

D. 5ms

- 75. What conclusion you can get from above results?
  - A. If the data length is short and transmission rate is low, transmission delay is often greater than the propagation delay in total delay.
  - B. If the data length is long and the transmission rate is high, the propagation delay may be the main part in total delay.
  - C. If the data length is long and transmission rate is low, transmission delay is often greater than the propagation delay in total delay.
  - D. If the data length is short and the transmission rate is high, the transmission delay may be the main part in total delay.

Please use this diagram to answer the following 8 questions.



76. In following OSI reference model, R1, Switch and Hub can achieve the highest functional layers are

A. 2, 2, 1 B. 2, 2, 2 C. 3, 2, 1 D. 3, 2, 2  77. If the bandwidth of the link between R2 and R3 is 8 kHz, and the SNR(Signal and Noise ratio) is dB, the actual data transfer rate of the link is about 50% of the theoretical maximum data transfer rate based on Shannon's theorem, then the actual data transmission speed is about  A. 8kbps B. 20kbps C. 40kbps D. 80kbps  78. If H2 sends H4 a data frame and immediately H4 sends H2 a confirmation frame, in addition to tH4, which host(s) can receive the confirmation frame from the physical layer?  A. only H2 B. only H3 C. only H1 and H2 D. only H2 and H3  79. If Hub will cause 1.535µs delay when it reproduces bit stream, the signal propagation speed is 200m/y Regardless of the Ethernet frame preamble, the theoretical maximum distance between H3 and H4  A. 200m B. 205m C. 359m D. 512m  80. Assume that R1, R2 and R3 use RIP protocol to exchange routing information and have be convergence. Link metric is based on hop count. R3 detects that the network 201.1.2.0/25 is unreachat and informs R2 of a new distance vector. What is the distance between R2 and the network 201.1.2.0/after R2 is updated?  A. 2 B. 3 C. 16 D. 17  81. Assume that two interfaces composing any link among R1. R2 and R3 use a pair of IP addresses in the concapsulated HTTP request packet forwarded by R2 are  A. 192.168.3.251, 130.18.10.1 B. 192.168.3.251, 201.1.3.9  C. 201.1.3.8, 130.18.10.1 D. 201.1.3.10, 130.18.10.1  82. Assuming that the default gateway and subnet mask for H1 and H2 are configured as 192.168.3.1 a 255.255.255.128 respectively, the default gateway and subnet mask for H3 and H4 are configured 192.168.3.254 and 255.255.255.128, respectively. The following possible situation happened is:  A. H1 cannot communicate with H2 for normal IP  B. Both H2 and H4 camon access the Intermet C. H1 cannot communicate with H2 for normal IP  B. Both H2 and H4 camon access the intermet C. H1 cannot communicate with H4 for normal IP  B. Assume that all domain name servers use iterative query for domain name r		respectively			2 2		2 1	D 2 2 2	
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based on Shannon's theorem, then the actual data transmission speed is about  A. 8kbps B. 20kbps C. 40kbps D. 80kbps  78. If H2 sends H4 a data frame and immediately H4 sends H2 a confirmation frame, in addition to the H4, which host(s) can receive the confirmation frame from the physical layer?  A. only H2 B. only H3 C. only H1 and H2 D. only H2 and H3  79. If Hub will cause 1.535µs delay when it reproduces bit stream, the signal propagation speed is 200m/g. Regardless of the Ethernet frame preamble, the theoretical maximum distance between H3 and H4  A. 200m B. 205m C. 359m D. 512m  80. Assume that R1, R2 and R3 use RIP protocol to exchange routing information and have be convergence. Link metric is based on hop count. R3 detects that the network 201.1.2.0/25 is unreachat and informs R2 of a new distance vector. What is the distance between R2 and the network 201.1.2.0/ after R2 is updated?  A. 2 B. 3 C. 16 D. 17  81. Assume that two interfaces composing any link among R1, R2 and R3 use a pair of IP addresses in the form of 201.1.3.x/30. When H3 accesses the Web server S, the source and destination IP addresses the encapsulated HTTP request packet forwarded by R2 are  A.192.168.3.251, 130.18.10.1 B. 192.168.3.251, 201.1.3.9  C. 201.1.3.8, 130.18.10.1 D. 201.1.3.10, 130.18.10.1  82. Assuming that the default gateway and subnet mask for H1 and H2 are configured as 192.168.3.1 a 255.255.255.255.255.255.255.255.255.255	77.							` ` `	,
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<ul> <li>82. Assuming that the default gateway and subnet mask for H1 and H2 are configured as 192.168.3.1 a 255.255.255.128 respectively, the default gateway and subnet mask for H3 and H4 are configured 192.168.3.254 and 255.255.255.128, respectively. The following possible situation happened is: <ul> <li>A. H1 cannot communicate with H2 for normal IP</li> <li>B. Both H2 and H4 cannot access the Internet</li> <li>C. H1 cannot communicate with H3 for normal IP</li> <li>D. H3 cannot communicate with H4 for normal IP</li> </ul> </li> <li>83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are</li> </ul>		A.192.168.3	.251, 1	30.18.10.1	В	. 192.168.3.25	1, 201	.1.3.9	
255.255.128 respectively, the default gateway and subnet mask for H3 and H4 are configured 192.168.3.254 and 255.255.255.128, respectively. The following possible situation happened is:  A. H1 cannot communicate with H2 for normal IP  B. Both H2 and H4 cannot access the Internet  C. H1 cannot communicate with H3 for normal IP  D. H3 cannot communicate with H4 for normal IP  83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are		C. 201.1.3.8	, 130.1	8.10.1	D	. 201.1.3.10,	130.1	8.10.1	
192.168.3.254 and 255.255.255.128, respectively. The following possible situation happened is:  A. H1 cannot communicate with H2 for normal IP  B. Both H2 and H4 cannot access the Internet  C. H1 cannot communicate with H3 for normal IP  D. H3 cannot communicate with H4 for normal IP  83. Assume that all domain name servers use iterative query for domain name resolution. When H attempts to access the website <a href="https://www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are	82.	Assuming th	at the def	fault <mark>gatew</mark>	ay and su	abnet mask for	H1 and	H2 are configured as	s 192.168.3.1 an
A. H1 cannot communicate with H2 for normal IP  B. Both H2 and H4 cannot access the Internet  C. H1 cannot communicate with H3 for normal IP  D. H3 cannot communicate with H4 for normal IP  83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="https://www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are		255.255.255	.128 resp	ectively, th	ne default	gateway and	subnet n	nask for H3 and H4	are configured a
<ul> <li>B. Both H2 and H4 cannot access the Internet</li> <li>C. H1 cannot communicate with H3 for normal IP</li> <li>D. H3 cannot communicate with H4 for normal IP</li> <li>83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are</li> </ul>		192.168.3.254 and 255.255.255.128, respectively. The following possible situation happened is:							
<ul> <li>C. H1 cannot communicate with H3 for normal IP</li> <li>D. H3 cannot communicate with H4 for normal IP</li> <li>83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are</li> </ul>									
D. H3 cannot communicate with H4 for normal IP  83. Assume that all domain name servers use iterative query for domain name resolution. When I attempts to access the website <a href="https://www.abc.xyz.com">www.abc.xyz.com</a> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are									
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attempts to access the website <u>www.abc.xyz.com</u> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are		D. H3 canno	ot commu	nicate with	H4 for n	ormal IP			
attempts to access the website <u>www.abc.xyz.com</u> and the domain name resolution is completed, t possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are	83.	Assume that	t all dom	nain name	servers ı	use iterative a	uerv for	domain name resol	lution. When H
possible minimum and maximum number of DNS queries issued by the domain name server 201.1.1 are						_	-		
are									
		_				or Britis queri			
			B 1.	3 C	0. 4	D 1. 4			
		. <b></b> ,	٠. ١٠	0.	, ,	۱ ۱.۱٫			

84.	Which description is correct about router configuration command "ip nat inside"?								
	A. It starts a rou	ter interface workir	ng as firewall.						
	B. It starts a rout	ter interface workir	ng as an Intranet interface	e of NAT box.					
	C. It shows the i	C. It shows the internal NAT address and port information of a router.							
		D. It changes the packet transmission direction of a NAT router.							
85.	Which of the fol	lowing commands	can be used to display m	iddle routers to a destination host?	1				
	A. nslookup	B. tracert	C.arp D.netstat						
86.	Some broadcas	t systems also sup	port transmission to a si	abset of the machines, which is kn	10wn as				
	·								
	a) A. unicastin	ng		B. broadcasting					
	b) C. multicas	ting		D. anycasting					
87.	Which is not pr	ovided by the data	link layer of the OSI mo	del?					
	A. framing		B. flo	ow control					
	C. error control		D. conges	tion control					
88.	In the	_ system, the users	take turns, each one per	iodically getting the entire bandwid	ith for a				
	little burst of tim	ie.							
	A. FDM		B. TDM						
	C. WDM		D. C	DM					
89.	Which is used t	to keep track of a u	ser and its related inform	nation by the Web server?					
	A. web cache		-	ersistent connection					
	C. cookie		D. co	onditional GET					
00	A . 1 1	. 1	1 6 41:						
90.	-	ich is a good exam	ple of switching						
	A. packet		B. bu						
	C. fabric		D. ci	rcuit					
91.	There are two	tumas of tuonamissi	on tachnalogy that are i	n wideenmand was They are Doint	ta maint				
91.	links and	types of transmissi	on technology that are i	n widespread use. They are Point-	ю-роші				
	A. Broadca	· et linke	B. end-to-end links						
	C. peer-to-p		D. virtual links.						
	C. pcc1-10-1	CCI IIIKS	D. Virtual liliks.						
		=== transport layer	•======						
		transport layer							
92.	Host A and B us	se TCP slow start a	algorithm through a nety	work with 10-msec round-trip time	and no				
			-	mum segment size is 1 KB. At tir					
	_	_		begins to repeatedly fetch TCP dat					
	_	-		e before the receiving buffer of B					
	A. 60 ms	B. 50 ms	C. 40 ms	D. 80ms					
93.	Which is not the	feature of TCP cor	nnections?						

	A. full-duplex		B. t	hree-way				
	C. It is a byte str	ream. D. su	pporting	g broadcas				
0.4	T 4 1 4		1 . 1	,.	211.1.1.1.4			
94.	In the socket programming model, which primitive will block the caller until a connection attempt arrives?							
	A. connect	B. accept	C.	listen	D. send			
0.5		LIDD						
95.	is based		4 CHELLET			D DTD		
	A. POP	B. FORM		C.	TELNET	D. RTP		
			applica	tion layer				
06	Which are is not a lo	~~1	ul -f	DMC acur				
96.	Which one is not a le	_				00 7200 2247 9702)		
	A. www.zju.edu.cn		SOA			00,7200,2347,8792)		
	B. zju.edu.cn	86400 IN	TXT		•	y in HANGZHOU"		
	C. zju.edu.cn	86400 IN	MX		ju.edu.cn			
	D. www.intel.com	86400 IN	A	218.58	.102.17			
97	When you configure	static IP addre	es naran	neters: IP	address subn	et mask, default gateway, IP address		
<i>)</i>	relating to DNS, which		-			ot mask, detain gateway, if address		
	A. proxy name s				ve name serv	er		
	C. local name server			D. top-level name server				
	20,10,001,1101110,00		2	op io voi i				
98.	A file containing popu	ular song is de	livered in	n email, it	will be encod	ded as MIME message and its MIME		
	type/subtype will be	_	most po			-		
	A. Audio/basic C. Message/music			B. MIME/audio				
				D. Message/rfc822				
99.	HTML tag	can be used	l to acce	pt user sul	bmitted data.			
	A. <a href=""></a>	>	B. < inp	ut >				
	C.		D. <li></li>	•				
100.						en using public-key algorithms?		
A. The public key of A				B. The private key of A				
	C. The public key of B			D. The private key of B				