1.	Decryption and encrypti	on of data are t	he responsibility of	of the	Layer.
	A. Data Link				
	B. Presentation				
	C. Network				
	D. Transport				
2.	The header length of the UDP segment is				
	A. 10 Byte				
	B. 8 Byte				
	C. 20 Byte				
	D. 16 Byte				
3.	One of the following pro	tocols is differe	nt from the other	protocols	
	A. Telnet SMTP	B. FTP	C. TCP	D. HTTP	E.
4.	Which of the following c	an be used as a	a solution for netw	vork congestion so	olution?
	A. Policies				
	B. Congestion n	otification			
	C. Buffer manag	jement			
	D. A and B				
	E. All				
5.	Routers work at which o	of the following (OSI layers?		
	A. Transport				
	B. Physical				
	C. Network				

	D. Data-li	nk
	E. None	
6.	Which of the follo and routers?	wing protocols is used to monitor network devices such as hubs, switches,
	A. SMT	·P
	B. SNN	1P
	C. RIP	
	D. OSF	PF
7.	In CRC, there is	no error if the remainder at the receiver is equal to
	A. Zero	
	B. Nonz	ero
	C. Quot	ient at the sender
	D. Rema	ainder at the sender
8.		ides to implement VPN service within the organization and for its customers, sure a connection. Which protocol should you use
	A. HTTPS	
	B. IPsec	
	C. SSL	
	D. IGMP	
9.	Which of the follo and routers?	wing protocols is used to monitor network devices such as hubs, switches,
	A. SMTP	
	B. SNMP	
	C. RIP	
	D. OSPF	

10. Which one of the following can't be considered a link layer service?
A. Flow control
B. Error detection
C. Error Correction
D. Segmentation
11.A piece of network equipment including its software resides on a managed network.
A. Managed Entity
B. Managed Device
C. Agent
D. None
12. Virtual circuit signaling protocol is not used in one of the following?
A. ATM
B. Internet
C. Frame relay
D. X.25
13. Company XYZ uses a network address of 192.168.4.0. It uses the mask of 255.255.255.224 to create subnets. What is the maximum number of usable hosts in each subnet?
A. 6 B. 30 C. 14 D. 62
14. Which of the following is an example of a private IP address, which is not to be used on the Internet?
A. 10.43.20.45 B. 132.101.42.5 C. 131.10.143.105 D. 195.10.50.105
15refers to the techniques, which allow more than one message to be transferred via the same communication channel.

		Switching Framing	B.	multiplexing		C. Ethe	ernet	
16. A firewall is:								
		A. An established	netw	vork performance	e ref	ference point	t.	
		B. Software or hare public network.		re used to isolat	e a _l	private netwo	ork from a	
		C. A virus that infe	cts r	macros.				
		D. A predefined en transmissions.	ıcryp	otion key is used	l to e	encrypt and c	decrypt data	
17. Which of the communicating		owing layer establishes, devices?	, ma	intains, and syn	chrc	onizes the int	eractions betwe	en
		Application Session		B. Transport		C. Data	a-link	
18.A number of	bits	sent in one second.						
		Bit Rate Distortion	B.	Bit Length		C. Atten	uation	
	-	/ connects LANs and W decisions about the rou		s on the Internet	and	d has a	table that	is
	A. No	Address Translation ne	В.	Routing	C.	Switching	D.	
		esponsible for IP addres geographic regions suc			•		•	
	A.	IEEE B. IA	λNA		C.	ISO	D. IETF	
21. Network activ	ity 1	that allows to creation o	of mi	ultiple logical ne	twor	rks from a sin	ngle address blo	ck.
		A. IP addressing D. multiplexing	3. S	ubnetting		C. VLSI	M	
22. The number of	of p	oint-to-point links requi	red i	in a fully connect	ted i	network for 5	60 entities is	

		D. 50		
23. In computer	networks, the port nur	mber is used to identif	у	
C. Network	A. Process B. Computer			
24. Which task i	s the function of the pr	esentation layer?		
	A. Addressing	l		
C. Dialog D. Auth	B. Compression	on		
	_ is the message creat	ted at the Internet Lay	er.	
	A. Frame	B. Packet D. Datagrar	•	
26. Which of the	e following is not an ap	plication layer protoco	ol?	
	A. DHCP D. HTTP	B. DNS	C. TCP	
27. Among the f	ollowing IPv4 address	, which IP can be assi	gned for a host?	
	A. 10.255.255	5.255		
	B. 33.55.99.12	2		
	C. 200.124.1.	0		
	D. 0.0.0.0			
	subnetting to work, the network ID, and this a		which portion of the hos	t ID to use for

B. 1225

C. 2500

A. 1250

D.	A. IP address port number	B. MAC ad	ldress C. Su	ubnet mask
29. Which of the	following is equivalent t	o /20 notation?		
D.	A. 255.224.0.0 255.255.240.0	B. 255.0.0.0	C. 255.255	.255.192
30. Which of the	e following is not an exa	mple of a private IP	address?	
	A.10.172.168.1 172.20.4.4	B. 192.167.5.2	C. 10.0.1.254	D.
31. Which IPv4	address can be pinged to	o test the internal T	CP/IP operation of a h	nost.
	A. 0.0.0.0 D. 255.255.255.255	B. 192.168.1.1	C. 127.0.0.	.1
certification	s three browsers on the course information. As the k in the PC to identify the	ne server replay, wh	ich information is use	
	A. Destination I	P address		
	B. Destination I	Port number		
	C. Source Port	number		
	D. Source IP ad	ddress		
	e following layer establis nmunicating devices?	hes, maintains, and	synchronizes the inte	eractions
	A. ApplicationD. Session	B. Transpo	rt C. Data-	link
34. Which addre	ess on a PC does not cha	ange, even if the PC	c is moved to different	t place or
	A. MAC Address B Logical Address	. IP Address	C. Default Gateway	D.

35. Which device	e is operating only in the	ne physical Layer?		
	A. Switch Firewall	B. Router	C. Hub	D.
36. The transport	t layer works	for the entire m	essage delivery.	
D. All		B. Device-to-Device	C. Process-to-Pro	ocess
	ology in which one col computers on the net	mputer can have several a work.	llternative commun	ication paths
A.	Star			
В.	Bus			
C.	. Mesh			
D.	. None			
	-	eristics of network archited thout any performance imp		apability of
A. S	Security			
В. С	Quality of Service			
C. Scal	lability			
D. Faul	It tolerance			
39. Additional to	the data signal, the st	art and stop bit will be add	led in data tr	ansmission.
A. S	ynchronous			
B. As	ynchronous			
С. В	oth A&B			
	D. None			

40. An important compone	ent of bus topolo	ogy that prote	cts the signal	bounce problem?	
A. Backbone C	able B. Teri	minator	C. Server	D. None	
41. A basic element of a n another is called		which can tr	ansport messa	ages from one device to	
A. Rule					
B. Message					
C. Medium					
D. Node					
42. Which of the following	is an example o	of a Metropol	itan Area Netw	ork?	
A. Bluetooth	B. Ethernet	C. DS	SL	D. Internet	
43. Gesture communication	n is an example	e of	com	nmunication.	
A. Verbal					
B. Non-Ver	bal				
C. Written					
D. Visualiza	ations				
44. Which one of the follow	wing is NOT true	e about bus t	opology?		
A to some sometime					
A. inexpensiv					
B. easy to design					
C. easy to troubl	C. easy to troubleshoot				
D. termination ne	eeded				
45. In data transmis direction.	ssion, both the o	communicatir	ng devices can	send data signal in both	

	A. Full-duplex				
	B. Half-duplex				
	C. Both A&B				
	D. None				
46.An imp	oortant componer	nt of bus topol	ogy which pro	tect the signal bo	ounce problem?
	A. Backbone Ca	ble B. Te	rminator	C. Server	D. None
	c element of netw ages through the r		-		that directs and moves the
	A. Rule				
В.	Service				
C.	Medium				
	D. Process				
48. Which	of the following is	s an example	of Metropolita	n Area Network?	
	A. Bluetooth	B. Ethernet	C. DS	SL	D. Internet
49. Which	of the following is	s the media st	tandard for mo	ost LAN installation	ons?
	A. Fiber	B. UTP	C. Coaxial		D. All
50. What	does fiber optic ca	able use to tra	ansmit data?		
	A. Electrical imp	ulses	B. Sound	C. Light	D. None
51. One o	f the following cor	nnectors is sir	milar to the fibe	er optic ST conne	ector.
	A. RJ45	B. BNC	C. RJ11	D. None	

52.Which	n of the following r	network term r	efers to private network	infrastructure?
	A. intranet	B. internet	C. internetwork	D. www
	e of topology in wl			Ilternative communication path
	A. Star			
	B. Bus			
	C. Mesh			
	D. Hybrid			
	E. None			
	ituation when botl er is referred to a		levices and receiver dev	rices have to work in a timely
A.	Synchronous			
В	. Asynchronous			
C	. Serial			
D. F	Parallel			
55.A larg using		puters in a wic	le geographical area ca	n be efficiently connected by
A.	Coaxial cables			

B. Communication satellites
C. Twisted pair cable
D. All
56. Which one of the following is not the advantage of a computer network?
A. Avoid software compatibility problem
B. Reduce hardware and software costs
C. Data security problems
D. All
57. Which one of the following is the most powerful transmission media than the others?
A. UTP
B. Coaxial
C. STP
D. Fiber optics
58. Which of the following characteristics of a network refers to expanding to support new users without any performance impact?
A. Security
B. Quality of Service
C. Scalability

D. Fault tolerance 59. Which protocol is used to exchange mail over the Internet? C. FTP D. Telnet A. SMTP B. HTTP 60. Computer to Computer communication is: A. Duplex B. Half Duplex C. Simplex D. All except B 61. An essential component of bus topology that protects the signal bounce problem? A. Backbone B. Terminator C. Cable D. Server E. None of the above 62. For constructing a network infrastructure in small office, what kind of network cable do we need to use?

B. fiber cable

C. coaxial

D. All

A. Twisted pair cable

63. A type of topology in which one with all other computers on the r	computer can have several alternative communication paths network.
A. Star	
B. Bus	
C. Mesh	
D. None	
. 64. Which of the following character new users without any performa	istics of network architecture refers to expanding to support nce impact?
A. Security	
B. Quality of Service	
C. Scalability	
D. Fault tolerance	
65.Additional to the data signal, the	start and stop bit will be added in data transmission.
A. Synchronous	
B. Asynchronous	
C. Both A&B	
D. None	
66. Which of the following is an exam	mple of Metropolitan Area Network?

		B. Ethernet	C. DSL	D. Internet
67. One of the following uses Asynchronous mode of transmission?				
	A. Ethernet	B. Token ring	C. SONET	D. Telephone line
	tuation when bot er is referred to a		s and receiver d	levices have to work in timely
	A. Synchronous			
В.	Asynchronous			
C.	. Serial			
D. P	arallel			
		ving characteristics rout any performand		ers the capability of expanding to
		=		ers the capability of expanding to
	rt new users with	out any performand		ers the capability of expanding to
suppo	rt new users with A. Security	out any performand		ers the capability of expanding to
suppo	rt new users with A. Security B. Quality of S	out any performand		ers the capability of expanding to
suppo	rt new users with A. Security B. Quality of S C. Scalability	out any performand		ers the capability of expanding to
suppo	rt new users with A. Security B. Quality of S C. Scalability D. Fault tolerance	out any performand	e impact?	

71.Comp	outer to Computer co	ommunication is:		
	A. Duplex	B. Half Duplex	C. Simplex	D. None
72. An im	portant component	of bus topology whic	ch protect the signal	bounce problem?
	A. Backbone			
	B. Terminato	r		
	C. Cable			
	D. Server			
73.The m	nost common Unshi	elded Twisted-Pair o	connector is	·
	A.RJ11	B. RJ45	C. RG45	D. RG11
74. Encry	ption is handled by	the layer	r.	
	A. data link	B. transport	C. session	D. presentation
75. Sharii	ng time on a commu	unications circuit amo	ong many devices is	s known as
	A. Time-division mu	ultiplexing		
	B. Frequency-division multiplexing			
	C. Amplitude modulation			
	D. Phase modulation	on		
76.The _	is a circuit-	switched network, w	hile the is a	a packet-switched network
	A. Telephone, AT	M		
	B. Satellite, Telep	hone		
	C. Telegraph and internet			

77.Which one o	of the following is belo	ngs to Network layer p	rotocols?	
	A. IP HTTP	B. TCP	C. DNS	D.
78.Most networ layers?	rks employ devices fo	r routing services. Rou	ters work at which	of the following OSI
	A. Transport D. Session	B. Network	C. Prese	ntation
79.Which of the	e following is equivale	nt to /26 notation?		
D.	A. 255.224.0.0 255.255.240.0	B. 255.0.0.0	C. 255.2	255.255.192
	refers the technique ommunication channe	s, which allow more that.	an one message to	o be transferred via
	A. Switching D. Framing	B. multiplexino	g C. Et	thernet
	e following layer estab ting devices?	olishes, maintains, and	synchronizes the	interactions between
	A. ApplicationD. Session	B. Transpo	rt C. Da	ata-link
		address assigned to o ns such as Europe, As	=	-
	A. IEEE	B. IANA	C. ISO	D. IETF
83.MAC addres	ss helps in			
	A. Multimedia A	ccess Control.		
	B. Media Acces	s Control.		
	C. Mobile Acces	ss Control.		
	D. Master Acces	ss point Control		

D. internet and ATM

84. Which one of A.Application B.Presentation C.Transport	n	yer is not include	ed within the TCI	P/IP architecture directly?
D.Network A	Access E. Phys	sical		
85. Decryption an	d encryption of	data are the resp	onsibility of the _	Layer.
A.Data Link B.Presentatio C.Network D.Transport	n			
86. One of the fol	lowing cannot be	e found on the ho	eader lines of HT	TP request message.
A.Host B.User-Agen C.Content-le	ngth			
87. One of the following	lowing protocol	is different from	the other protoco	ols
A.Telnet	B. FTP	C. TCP	D. HTTP	E. SMTP
88. Which port nu A.21 B.53 C.25 D.80	imber is used by	DNS protocol?		
89. Which one of	the following us	es UDP as the u	nderlying transpo	rt layer protocol?
A.File transfe B.E-mail C.Remote ter D.Internet tel	minal access			
90. The whole con	nmunication bet	ween client and	server to transmi	t a file may take

A.2RTT					
B.RTT + transmit time					
C.2RTT + tran	C.2RTT + transmit time				
D.RTT					
91. Which one of t	91. Which one of the following uses UDP as the underlying transport layer protocol?				
A.File transfer	r				
B.E-mail					
C.Remote terr					
D.Internet tele	ephony				
92. The status code	e in HTTP resp	onse message	, which indicate	request succeeded.	
A.331					
B.400					
C.200					
D.404					
93. Which one of the	he following is	s not true abou	t having central	ized DNS?	
A.High Traffic	c volume				
B. Maintenand					
C.Single point	t of failure				
D.Load Distri	bution				
94. The status code	e in HTTP resp	onse message	, which indicate	bad request.	
	A.331	B.400	C.200	D.404	
95. Which one of the following interconnecting device, which acts as an interface that enables communication between dissimilar network?					
A. Gat	eway	B. Bridge	C.Switch	D.Router	
96. Which one of the	he following la	ayers is not ava	ailable on end-h	osts (computers)?	
	a. Application	ı			
	b. Transport				

	c. Network
	d. Physical
	e. None
97. Host-to-host is	at Network layer, process-to-process is at:
	a. Application layer
	b. Transport layer
	c. Media access layer
	d. Physical layer
	e. None
98. Which one of	the following is a service provided by the transport layer?
	a. Process addressing
	b. Host addressing
	c. Physical addressing
	d. Network addressing
	e. None
99. UDP is connec	tionless meaning:
	a. It works only on wireless networks
	b. It works even if there is no medium of communication
	c. It doesn't need sender and receiver addressing
	d. The two ends are not required to agree for the data exchange
	e. None
100. What is the si	ze of UPD header?
	a. 4 bytes

b. 8 bytes
c. 20 bytes
d. 48 bytes
e. None
101. TCP does not support broadcast and multicast because:
a. It is a point-to-point protocol
b. Broadcasting doesn't require reliability
c. Because network layer enforces this rule
d. The designers of TCP forgot to include TCP
e. None
102. What is the port number of SMTP protocol?
a. 21
b. 25
c. 55
d. 143
e. None
103. We know the size of a TCP header is 20 bytes. Why do we need to include header length on every segment?
a. Header length might be changed during fragmentation
b. Header length depends on the bandwidth
c. Header lengths depends on the size of data field
d. Header lengths depends on optional fields
e. None
104. Which one of the following is not network layer service?

	a. Path determination	
	b. Forwarding	
	c. Call setup for virtual circuit networks	
	d. TCP connection establishment	
	e. None	
105. How many di 10.132.10.0/28	fferent host addresses (including broadcast address) are there in the subnet 3?	
	a. 4	
	b. 16	
	c. 28	
	d. 255	
	e. None	
106. What is the m	notivation for implementing NAT?	
	a. IP address scarcity	
	b. Security	
	c. Network failure recovery	
	d. Routing algorithm	
	e. None	
107. How man bits are used for IPv6 address?		
	a. 16 bits	
	b. 32 bits	
	c. 48 bits	
	d. 128 bits	
	e. None	

108. Which one of	the following does not have impact on congestion?
	a. Routing algorithm
	b. Packet life time
	c. Packet queuing and servicing policy
	d. Packet processing order
	e. None
109. From the four	QoS parameters, email is highly sensitive to:
	a. Reliability
	b. Delay
	c. Jitter
	d. Bandwidth
	e. None
110. ICMP protoco	ol is applicable at:
	a. Physical layer
	b. Data link layer
	c. Network layer
	d. Transport layer
	e. None
111. Which one of	the following is not a service provided by link layer of the TCP/IP protocol stack?
	a. Framing and link access
	b. Reliable delivery from end-host to end-host
	c. Flow control between directly connected nodes
	d. Error detection and correction between directly connected nodes

	e. None
112. What do you	call the PDU at the link layer of the TCP/IP protocol stack?
	a. Datagram
	b. Segment
	c. Message
	d. Frame
	e. None
113. Which one of	the following is not a multiple access protocol of shared media?
	a. Channel partitioning
	b. Point-to-point protocol
	c. Random access protocol
	d. Taking turns
	e. None
114. Time Division	Multiple access is:
	a. Channel partitioning protocol
	b. Point-to-point protocol
	c. Random access protocol
	d. Taking turns
	e. None

115. What is ARP?

- a. Address Routing Protocol
- b. Access Resource Protocol
- c. Active Routing Protocol

116. What type of r	nedium is commonly used by Gigabit Ethernet?
	a. UTP cable
	b. Coaxial cable
	c. Fiber optic
	d. Bluetooth
	e. None
117. Layer-2 device	es are plug-and-play and no configuration is required because:
	a. They are difficult to configure
	b. They are all-knowing devices
	c. Manufacturing companies don't distribute the password
	d. Most of them are wireless
	e. None
A. B. C. D.	-hoc wireless network? A wireless communication with central server for authentication A wireless technology with Gigabit backbone to datacenter A wireless technology with peer-to-peer setup without center device A wireless communication between a client and a stationary access point. None
devices. A. B. C.	gy requires a dedicated point-to-point connection between only the two neighboring Star Bus Mesh Ring

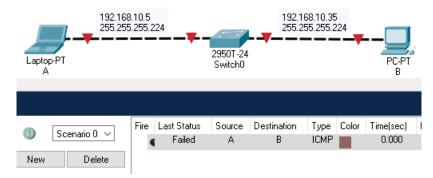
d. Address Resolution Protocol

e. None

-	time and remains a server at another time, such a network
application architecture is called	·
A. Ring topology	
B. Bus topology	
C. Client/server	
D. Peer-to-peer	
-	rs to loss of strength of a signal is
A. Attenuation	
B. Distortion	
C. Noise	
D. None	anottom to be intermeded, and what action is to be taken bessed on
-	pattern to be interpreted, and what action is to be taken based on
that interpretation.	C. Acquirecti
A. Syntax B. Semantics	C. Accuracy D. Reliability
	imposes a mechanism to avoid overwhelming the receiver by
sending too much data which can't	-
A. Flow control	C. Access control
B. Error control	D. Framing
	ses very expensive network equipment/infrastructure and can be
managed by multiple administration	
A. MAN	C. WAN
B. LAN	D. None
125. In a synchronous transmission, the	transmitter and receiver pace are
A. Zero	C. Variable
B. Fixed	D. A function of the data rate
126. What is the signal encoding for Fi	ber optics cable?
A. Electrical impulses	C. Pulses of light
B. Electromagnetic wa	
	er and a keyboard is an example of transmission.
	C. Simplex
B. Full-duplex	D. Automatic
128. Circuit switching takes place at the_	•
A. Data link	C. Network
B. Physical	D. Transport served during setup phase; the resources remain dedicated for the entire
duration of data transfer phase until the	•
A. Packet switchingB. Circuit switching	C. Datagram switching D. None of the above
_	e different signals simultaneously on the same medium is called
A. Switching	C. Segmentation
B. Layering	D. None
131. In, resources are allocated of	

A. Datagram switching	C. Message switching
B. Circuit switching	D. None of the above
132. Every NIC has a unique serial number called a	
A. WAN	C. IP address
B. MAC address	D. Default gateway
133. A network where there is no resource reservation is called	·
A. Circuit-Switched Networks	C. Packet-switched networks
B. message-switched networks	D. Satellite network
134. In IEEE 802.11 frames, the value of 11 and its distribution syst	em is
A. Local Area Network	C. Metropolitan Network
B. Wireless Area Network	D. None of the given
135. The standard describes the upper part of the data lin	<u> </u>
A. IEEE 802.2	C. IEEE 802.11
B. IEEE 802.3	D. IEEE 802.5
136protocol is widely used on LAN in the MAC sub la	
A. CSMA/CA	C. CSMA/CD
B. TCP	D. GSM
137 are wireless network standard with a data rate of only	
	_
A. IEEE 802.11a	C. IEEE803.11a
B. IEEE803.11g	D. IEEE802.11b
138. Wireless transmission can be done via	
A. Radio waves	C. Infrared
B. Microwaves	D. All of the mentioned
139. The wireless LAN specification is defined by IEEE, called,	
A. IEEEE 802.2	C. IEEE 802.3
B. IEEE 802.11	D. IEEE 802.5
140 is the most widely used local area network protocol.	
A. Token Ring	C. Ethernet
B. Token Bus	D. none of the above
141. What command would you use on a windows system to find yo	our IP address at the command line?
A. ifconfig	
B. ipconfig	
C. intconfig	
D. Addconfig	
142 is the process of separating network functions in	communication environment.
	C. Layering Task
B. Encapsulation	D. Internetworking
143. In, the resources need to be reserved during setup	phase; the resources remain dedicated for
the entire duration of data transfer phase until the teardown	phase.
A. Packet switching	C. Datagram switching
B. Circuit switching	D. None of the above

- 144. Which processes does TCP, but not UDP, use?
 - A. a. Windowing
 - B. b. Acknowledgements
 - C. c. Both a and b
 - D. d. Destination Port
- 145. A network administrator is connecting hosts A and B directly through their Ethernet interfaces, as shown in the illustration. Ping attempts between the hosts are failed. What could be the reason for the disconnectivity between these nodes?



- A. The two IP addresses are located in different subnets
- B. The connection path (physical path) is inappropriate
- C. Due to the class of the network
- D. There is no problem in the given network
- 146. For which of the following would you not need to provide a crossover cable?
 - A. Connecting uplinks between Switches
 - B. Connecting Computers to Routers
 - C. Connecting Routers to Switches
 - D. Connecting Hubs to Switches
- 147. Which of the following wireless media used for Remote controls for TVs and Indoor wireless LANs.
 - A. Microwaves B. Radio waves C. Infrared waves D. Wi-fi
- 148. _____ refers to the structure or format of the data, meaning and the order in which they are presented in data communication.
 - A. Syntax

C. Semantics

B. Timing

D. All of the above

- 149. What is the signal encoding for each Fiber optics cable?
 - A. Electrical impulses

C. Radio waves

B. Pulses of light

D. . Electromagnetic waves

- 150. Transmission impairment that refers to changes of format/shape of a signal is _____.
 - A. Attenuation

C. Noise

B. Distortion

D. None

151.	. The range of addresses that can be used	in the first octet of Class D addresses are
	A. 192-223	C. 224-239
	B. 240-255	D. 8128-191
152.	What is the prefix length notation	for the subnet mask 255.255.255.248?
153.	A. /30 B. /27 To which class this IP address 241	C. /28 D. /29
154.	A. Class B B. Class A is a networking technique	C. Class E D. Class D e that enables us to transfer two or more different data signals
simu	ltaneously on the same communication c	hannel.
155.	A. SwitchingB. Layering TaskWhich one of the following is true	C. Multiplexing D. None regarding multiplexing techniques?
156.	B. In FDM all the signals operate	e at the same time with different frequencies e with same frequency at different times nedium and its link by several devices Ferent from the other?
	A. 172.16.35.12 B. 188.17.12.14 C. 130.17.12.24 D. 126.17.12.254	
157.	refers to the way a netw A. Line configuration	ork is laid out, either physically or logically
	C	
	B. Topology	
	C. Transmission mode	
	D. Modulation mode	

158.

	C. Ring
	D. all of the above
159	Which of the following is a basic network topology?
	E. A. Tree
	F. B. point-to-point
	G. C. multipoint
	H. D. all of the above
160	Which of the fellowing is a basic naturally to not a set of
160	
	A half-duplex
	B. multipoint
	C. ring
	D. all of the above
161	
	I. A. peer-to-peer
	J. B. point-to-point
	K. C. primary-secondary
	L. D. master-slave
162	2. In a relationship, one device controls traffic and the others must transmit through it
	M. A. peer-to-peer
	N. B. point-to-point
	O. C. primary-secondary
	P. D. full duplex

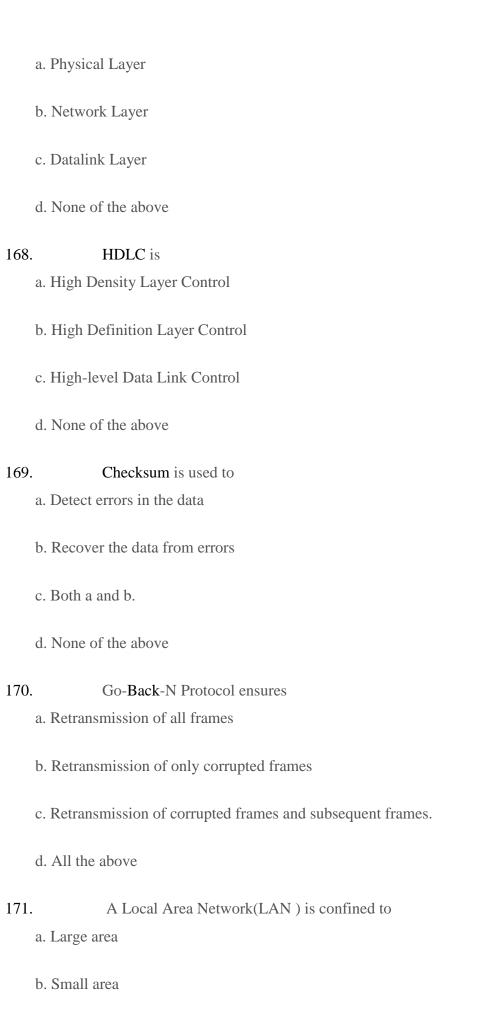
A. A Star

B. Mesh

163.	An Unauthorized access is network issue		
	a. Performance		
	b. Reliability		
	c. Security		
	d. Accountability		
164.	The rules that govern data communication is called a. Syntax		
	b. Protocol		
	c. Standards		
	d. Semantics		
165.	Topology that is multi-point is		
100.	a. Star		
	b. Mesh		
	c. Ring		
	d. Bus		
166.	As the frequency increases the period a. Increases		
	b. Remains unchanged		
	c. Decreases		
	d. Changes inconsistently		

Error Control is a function of

167.



	c. Both a and b.		
	d. None of the above		
172.	Baseband LAN is a		
	a. Single channel, analog LAN		
	b. Multichannel, analog LAN		
	c. Single channel, digital LAN		
	d. Multichannel, digital LAN		
173.	IEEE 802.2 standard works on		
	a. Connectionless mode		
	b. Connection-oriented mode		
	c. Both a and b.		
	d. None of the above.		
174.	Size of source address field in an Ethernet frame is		
	a. 2 bytes		
	b. 6 bytes		
	c. 4 bytes		
	d. 3 bytes		
175.	In which type of switching all packets of a message follow same channel		
	a. Datagram packet switching		
	b. Virtual circuit switching		
	c. Message switching		

	d. None of	the above.
176.		is a device that connects n inputs to m outputs.
	a. Modem	
	b. Cross po	oint
	c. Cross ba	ar
	d. RAM	
177.	a. Two	How many OSI layers are covered in X.25 standard?
	b. Three	
	c. Six	
	d. Seven	
178.	• .	is a unique identifier which indicates a particular
	Virtual Cir	rcuit on a network.
	Channel number	
	b. Virtual	Path identifier
	c. Virtual (Channel identifier
	d. None of	the above
179.	a. 4	An IP address consists ofbits.
	b. 8	
	c. 32	
	d. Any of t	the above

180.		Identify the class of IP address 191.1.2.3		
	a. Clas	ss A		
	b. Clas	ss B		
	c. Clas	es C		
	d. Clas	ss D		
181.		An ARP reply is to		
	a. Unio	cast; one host		
	b. Uni	cast; all hosts		
	c. Mul	ticast; One host		
	d. Bro	adcast; all host		
182.		Which of the following function does UDP perform?		
	a. Proc	cess to process communication		
b. Host to host communication				
	c. End to end reliable data delivery			
	d. All the above			
183.		Out-of-band data is called		
	A.	The urgent data		
	B.	The lost dataP		
	C.	Internet data		
	D.	None of the above		
184.		The maximum size of an IP datagram is		
	A.	65,537		
	В.	65,536		
	C.	65,538		

D. None of the above

185.		How many layers in XNS?
	1.	5
	2.	6
	3.	4
	4.	None of the above
186.		What are the nodes of SNA?
		A. End-user
		B. Logical Unit
		C. Physical Unit and Datalink
		D. all of the above
187.		The maximum size of an IP datagram is
	A.	65,537
	B.	65,536
	C.	65,538
	D.	None of the above
188.		How many layers in XNS?
	A.	5
	B.	6
	C.	4
	D.	None of the above
189.		What are the nodes of SNA?
	A.	End-user
	B.	Logical Unit
	C.	Physical Unit and Datalink
	D.	all of the above
190.		SNA network is classified into two types. They are
	A.	Subarea Network and APPN(Advanced Peer-to-Peer Networking (APPN))
	B.	Only Sub area Network
	C.	Advanced Peer-to-Peer Networking (APPN)
	D.	None of the above
191.		GDS stands for
	A.	Generalized Data Stream
	B.	Generalized Date Stream
	C.	General Data Stream

	D. None of the above		
192.	The Unix system deals with two important API		
	A. BSD –Berkeley Software Distribution and Transport Layer Interface (TLI)		
	B. only BSD –Berkeley Software Distribution		
	C. only Transport Layer Interface		
	D. None of the above		
193.	The connection-oriented and connectionless services are provided by which protocol?		
	A. Linux protocol		
	B. unix domain protocols		
	C. both a) and b)		
	D. None of the above		
194.	Which method is often called a "reliable" network service?		
	A. Connection-oriented		
	B. object-oriented		
	C. both a) and b)		
	D. None of the above		
195.	The client in socket programming must know information		
	a. The IP address of Server		
	b. Port number		
	c. Both IP address of Server & Port number		
	d. Only its own IP address		
196.	What is the size of MAC Address?		
170.	a. 16-bits		
	a. 10 oils		
	b. 32-bits		
	C. 48-bits		
	d. 64-bits		
197.	Which of the following term describes PDU encapsulated at Transport Layer?		
	a. Frame		
	b. Packet		
	c. Data		

d. Segment

198.	A list of protocols used by a system, one protocol per layer, is called	-
a) protoc	ol architecture	

- b) protocol stack
- c) protocol suite
- d) protocol system

199. Connector RJ-45 contains?

- a. Two pins
- b. Four pins
- 5 University Academy
- c. Eight pins
- d. Ten pins

200. A set of rules that governs data communication is called

- a. Protocols
- b. Standards
- c. RFCs
- d. Servers