01.	Data communication system within a perso	onal a	rea is	D
	A WAN	В	MAN	
	C LAN	D	PAN	
02.	The communication channel is shared by s	some	of the the machines on the network in	Α
	A Multicast Network	В	Unicast Network	
	C Broadcast Network	D	Anycast Network	_
03.	is the first network.	_	ADDANIET	В
	A CISCO	В	ARPANET	
•	C ASAPNET	D	NFSNET	
04.	In the layer hierarchy, as the data packet	moves	s from the lower layers to the upper	Α
	layers, headers are	_		
	A Added	В	Removed	
	C Rearranged	. D	Modified	_
05.	What is the data format used in Data Link	•		Α
	A Frame	В	Packet	
	C Segment	D	Bits	_
06.	Ais the physical path over which		= · · · · · · · · · · · · · · · · · · ·	D
	A Path	В	Routing	
	C Protocol	D	Medium	_
07.	How many layers are present in the OSI m	_	_	В
	A 5	В	7	
	C 10	D	12	
08.	topology requires a multipoint co			D
	A Star	В	Mesh	
	C Ring	D	Bus	
09.	Physical or logical arrangement of network			Α
	A Topology	В	Control	
	C Routing	D	Networking	
10.	Delimiting and synchronization of data exc	hange	e is provided by	В
	A Transport Layer	В	Session Layer	
	C Network Layer	D	Presentation Layer	
11.	Transmission Control protocol has been us	sed in	theLayer	Α
	A Transport Layer	В	Datalink Layer	
	C Network Layer	D	Presentation Layer	
12.	What is the full form of MAC		- -	Α
	A Media Access Control	В	Machine Authentication Code	
	C Machine Access Code	D	Message Authentication Code	
13.	Communication between a computer and a	anothe		D
	transmission.		· —	
	A No Communication line	В	Simplex	
	C Half Duplex	D	Full Duplex	
14.	What is the Full form of IP address?		•	С
	A Information Protocol	В	Integrated Protocol	
	C Internet Protocol	D	Informative Protocol	
15.	How many bits does a IPV4 address have			В
	A 48	В	32	_
	C 8	D	4	
16.	Decryption or encryption of data are the re	_	-	D
	A Transport Layer	В	Session Layer	_
	C Network Layer	D	Presentation Layer	
17.	Which of the following is an example of sin			Α
	A Keyboards	В	Walkie-talkie	^
	C Telephone network	D	Complex network	
	O Totophone network	<i>-</i>	Complex network	

18.	TCP is the acronym for			C		
	A Trivial Control Program	В	Triggering Control Protocol			
	C Transmission Control Protocol	D	Transport Control Protocol	_		
19.	Which type of topology is best suited for lar	_		В		
	and coordinate the operation of distributed					
	A Ring	В	Star			
00	C Mesh	D	Bus	_		
20.	What is the correct order of data blocks in t			Α		
	A Frame, Packet, Segment	В	Segment, Packet, Frame,			
24	C Packet, Frame, Segment,	D	Segment, Frame, Packet,	_		
21.	In the TCP/IP protocol suite, the		layer is responsible for transferring the	עי		
	packets from one router to the next. A Physical	В	Transport			
	C Data Link	D	Transport Network			
22.	Which one of the following is a network top	_		В		
22.	A Router	B	r: Ring	ט		
	C Channel	D	Peer to Peer			
23.	In an OSI model architecturelayer	_		Α		
_0.	A Session Layer	В	Datalink Layer	, ,		
	C Network Layer	D	Transport Layer			
24.	A device that can be connected to a network		• •	D		
	A Distributed device	В	Centralized device			
	C Open-source device	D	Wireless device			
25.	Which layer is the topmost layer in the TCF	P/IP m	nodel?	C		
	A Transport Layer	В	Internet Layer			
	C Application Layer	D	Network Layer			
26.	In which layer the various services directly	provi	ded protocols to the users?	C		
	A Session Layer	В	Datalink Layer			
	C Application Layer	D	Presentation Layer	_		
27.						
	and links?	D	Circuit and taking and Line and taking			
	A Packet switching and Line switching		Circuit switching and Line switching	_		
20	C Line switching and bit switching	D	Packet switching and circuit switching			
28.		ected	computer networks that uses the	В		
	Internet protocol suite A Network	В	Internet			
	C Web	D	Switching			
29.	The topology with the highest reliability is		Owitering	D		
20.	A Bus	В	Star			
	C Ring	D	Mesh			
30.	The error checking will be done in	_		В		
	A HUB	_ B	Switch			
	C Repeater	D	Bridge			
31.	In an OSI model architecture which layer tr	ansm	its the error-free segments?	D		
	A Physical Layer	В	Datalink Layer			
	C Network Layer	D	Transport Layer			
32.	Computers connected to a LAN(Local Area	a Netv	vork) can	D		
	A Run faster	В	Go online			
	C E-mail	D	Share information and/or share			
			peripheral equipment			
33.	The physical layer in PDU is called as			С		
	A Data	В	Packet			
	C Bits	D	Frames	_		
34.	A multi point connection is also called as		<u></u>	Α		

	A Multi Drop C Multipath	B D	Multi connection Multichannel	
25		_		Α
35.	A network point that provides entrance in		· · · · · · · · · · · · · · · · · · ·	A
	A Gateway C Switch	B D	Router Bridge	
26		D	Blidge	Α
36.	What is the port number for SMTP? A 25	В	80	A
	C 21	D	65	
27	_	_		
37.	Thelayer is responsible for regu	lialing in	e now or data to prevent the receiver	Α
	from being overwhelmed with data	Ъ	Nationale	
	A Data Link C Presentation	B D	Network Session	
20		_		_
38.	Presentation layer lies of OSI model bet	_		D
	A Data Link C Presentation	В	Network	
20		D	Application	Ъ
39.	The network layer protocol of internet is	Б	Laterantes and a section of	В
	A Ethernet	В	Internet protocol	
40	C HTTP	D	FTP	_
40.	A subset of a network that includes all th		•	В
	A Tree without loops	В	Spanning Tree	
4.4	C A graph	D	Acyclic graph	_
41.	A single channel is shared by multiple si			С
	A Analog modulation	В	Digital modulation	
40	C Multiplexing	D	Switching	_
42.	Which transmission media has the higher			С
	A Coaxial Cable	В	Twisted Pair Cable	
40	C Optical fiber	. D	electrical Cable	
43.	The physical layer translates logic comm	nunicatio	on requests from theinto	Α
	hardware specific operations	Б	N. C. L.	
	A Datalink Layer	В	Network Layer	
	C Transport Layer	D	Application Layer	_
44.	is a network of networks	_		В
	A Intranet	В	Internet	
4-	C Multinet	D	Extranet	_
45.	•	ork that	allows customers, suppliers, and	С
	vendors	_		
	A Intranet	В	Internet	
40	C Extranet	. D	Arpanet	_
46.	To deliver a message to the correct app	lication p	program running on a nost, the _	С
	address must be consulted	_		
	A IP	В	MAC	
	C PORT	D	Session	_
47.	Transport Layer protocols deals with	_		С
	A Application to application	В	Node to node Communication	
	communication	_		
	C Process to process communication		End to end communication	
48.	The ASCII encoding of binary data is cal			C
	A Base 8 encoding	В	Base 16 encoding	
	C Base 32 encoding	D	Base 64 encoding	_
49.	encoding has a transition a	· · · · · · · · · · · · · · · · · · ·		D
	A RZ	В	Manchester	
	C NRZ	D	Differential Manchester	_
50.	What does T stand for in 10 BASE T?	_		С
	A Thin Layer	В	Thick Layer	

	С	Twisted Pair	D	10 meters	
51.		is used to associate a logical a	ddres	s with a physical address	C
	Α	Network Translator	В	ICMP	
	С	ARP	D	RARP	
52 .	The	signal rate is also known as			В
	Α	Bit Rate	В	Baud Rate	
	С	Digital Rate	D	Informative Rate	
53.	In a	scheme, all the signal levels are	on o	ne side of the time axis, either above	Α
	or b	elow.			
	Α	Unipolar	В	Biploar	
	С	Polar	D	Multi Level	
54.	Not	a function of data link protocol			D
	Α	Error Control	В	Message Delineation	
	С	Media Access Control	D	Amplitude shift keying	_
55.		hich ARQ, when a NAK is received, all	frame	es sent since the last frame	Α
	ackr	nowledge are transmitted	_		
	Α	Go back N	В	Stop and Wait	
	C	Selective Reject	D	Selective Repeat	_
56.	_	device operation at Data Link Layer is			С
	A	Repeater	В	Router	
	С	Bridge	D	Layer III Switch	_
57.			/nB c	coding;it replaces each m-bit group with	C
		n-bit group.	_	0 11	
	A	Line coding	В	Scrambling	
F 0	C	Block coding	D	Bit coding	_
58.		shortest frame in HDLC protocol is usu			С
	A	Information Frame	В	Management Frame	
ΕO	С	Supervisory Frame	D	U Frame	Ь
59.	\overline{A}	is used to regenerate the signal HUB	D	Deposter	В
	A		B D	Repeater	
60	ر ام fil	Bridge	D	Amplifier	٨
60.	_	ber optics,the signal iswaves.	В	Radio	Α
	A C	Light Infrared	D	Very low frequency	
61.	_	nsmission media are usually categorize	_	very low frequency	В
01.	A	Fixed or unfixed	u as_ B	Guided or unguided	ם
	Ĉ	Determinate or indeterminate	D	metallic or nonmettalic	
62.	_	ch of the following summation operation			D
02 .		ecting code?	1 10 P	orientied on the bite to eneck air error	
	A	Attenuation	В	Codec	
	C	Error decoder	D	Check sum	
63.	_	ch of the following allows devices on th	_		В
00.		ther network?	0 1100	work to communicate with devices on	
	A	Modem	В	Gateway	
	C	T-Switch	D	Multiplexer	
64.	_	omatic repeat request error managemen	_	•	Α
•	A	logical link control sublayer	В	media access control sublayer	•
	C	network interface control sublayer	D	application access control sublayer	
65.	•	is the advantage of the bus topolo		application accord control capitalyon	В
	A	Supports long Communication	В	Node failures don't affect others	_
	C	Used limited cable for connection	D	Uses fiber only for fast	
	-		_	communication	
66.	Trar	nsmission media lie below thel	ayer	22	Α
- 	Α	Physical	В	Network	
		-			

	С	Transport	D	Application	
67.		is used for unicast communication	on		С
	Α	Radio waves	В	Infrared	
	С	Microwaves	D	Lightwaves	
68.	The	communication in simplex data flow is	alway	/S	С
	Α	Bi-directional	В	Multi-directional	
	С	Uni-directional	D	Both directional	
69.	The	protocols involve in noiseless channels	s are_		Α
	Α	Simplest,stop-and-wait	В	Stop-and-wait-ARQ	
	С	Go-back-N-ARQ	D	Selective repeat ARQ	
70.		are the controlled access protoc	cols		В
	Α	ALOHA,CSMA,CSMA/CA,CSMA/CD	В	Reservation, polling, token passing	
	С	FDMA,TDMA,CDMA	D	same as random access protocols	
71.	How	many phases does the circuit switchin	ig hav	ve?	С
	Α	One	В	Two	
	С	Three	D	Four	
72 .	The	e technique of temporarily delaying outo	going	acknowledgements so that they can	В
	be h	looked onto the next outgoing data fran	ne is o	called	
	Α	cyclic redundancy check	В	piggybacking	
	С	fletcher's checksum	D	parity check	
73 .	The	ten gigabit Ethernet speeds upto			В
	Α	20Gbps	В	10 Gbps	
	С	30 Gbps	D	40 Gbps	
74.	192.	168.2.255 address represents	_com	nmunication	C
	Α	Multicast	В	Unicast	
	С	Broadcast	D	Singlecast	
75 .	Wha	at is the full form of HDLC?			Α
	Α	High level Data Link Control	В	High level Digital Link Control	
	С	High Level and Data Level Control	D	High and Data level Control	
76.	In C	RC there is an error if the reminder at t	he re	ceiver is	В
	Α	Zero	В	Non Zero	
	С	The quotient at the sender	D	Equal to the reminder	
77 .	Wh	ich frame is supervisory?			С
	Α	I- Frame	В	U-Frame	
	С	S- Frame	D	Super-Frame	
78.	Hov	w many types of HDLC frames are there	e?		С
	Α	One	В	Two	
	С	Three	D	Four	
79.	CRC	c stands for			Α
	Α	cyclic redundancy check	В	code repeat check	
	С	code redundancy check	D	cyclic repeat check	
80.	In p	ure ALOHA the time is			Α
	Α	Continuous	В	Globally synchronized	
	С	Discrete	D	Very efficient	
81.	Wha	at is the standard form of SDLC?			В
	Α	Simple Data Link Control	В	Synchronous Data Link Control	
	С	Syntactical Data Link Control	D	Sample Data Link Control	
82.	In th	e following, which one is not the design	า issu	•	С
	Α	Framing	В	Error Control	
	С	Provide connection less service	D	Flow control	
83.	In th	e Go back N sliding window protocol, v	what i	s the receiver's window size?	Α
	Α	One	В	Two	
	С	Three	D	Four	
84.	Whi	ch of the following is not a guided medi	um?		D

	А	l wisted-pair cable	В	Coaxial cable			
	С	Fiber-optic cable	D	Atmosphere			
85.		is used to interconnect the two diffe	erent l	LANs in the same protocol.	В		
	Α	HUB	В	Bridge			
	С	Amplifier	D	Repeater			
86.	Whi	ch address is using for communication	in the	data link layer?	D		
	Α	IP address	В	Machine Address			
	С	Standard Address	D	MAC address			
87.	The	actual phone conversation uses		switching model	В		
	Α	IP based	В	Connection-oriented			
	C	Connectionless	D	Lightweight			
88.	_	packet switching is categorized into		on of the approach in the below	Α		
	optio						
	A	Virtual Circuit approach	В	Connection establishment			
	C	Only connection disconnection	D	Continuous transfer the data			
89.	_	e maximum length of this payload field i			D		
05.	Α	1000	 В	1200			
	C	1400	D	1500			
90.	_	at is the length of Flag for PPP	D	1300	С		
9 0.	_	_	В	7	C		
	A C	6 8	D	9			
04	_	_	_	-	_		
91.		scheme uses data patterns of			D		
		signal element belonging to a four-leve					
	A	4B5B	В	B8ZS			
	C	4B1Q	D	2B1Q	_		
92.		ch of the following encoding methods d		•	Α		
	Α	NRZ-L	В	RZ			
	С	NRZ-I	D	Manchester	_		
93.		ck coding can help inand			Α		
	Α	Synchronization and error detection		-			
	С	Error detection and attenuation	D	Error detection and distortion			
94.	The	maximum window size for data transm	ission	using the selective reject	В		
	prot	ocol with n-bit frame sequence number	s is:				
	Α	2 ⁿ	В	2 ⁿ⁻¹			
	С	2 ⁿ⁻²	D	2 ⁿ -1			
95.		_		- ·	Α		
93.	9 · · · · · · · · · · · · · · · · · · ·						
	send data on a 1.5 Mbps link with a one-way latency of 50 msec. To achieve a link utilization of 60%, the minimum number of bits required to represent the sequence						
			DITS FE	equired to represent the sequence			
	_	ber field is	ь	•			
	A	5	В	6			
00	C	7	D	8	_		
96.		ng window protocol works on		_in which there is simultaneous two-	С		
		communication	_				
	Α	Simplex	В	Half duplex			
	<u> </u>	Full Duplex	D	No duplex			
97.	Full	form FCS	_		В		
	Α	Frame Check Sum	В	Frame Check Sequence			
	С	Frame Compute Sum	D	Frame Compute Sequence			
98.	Slidi	ing window protocol makes use of frame	e nan	•	В		
	Α	Advance Frame	В	Acknowledgement Frame			
	С	Digital Frame	D	Automatic frame			