C		1 4			
SrNo	question	answer1	answer2	answer3	answer4
		Collection of			
			Interconnect		
		components	ed by	Sharing of	
		and		resources and	
1	Computer Network is	computers	ion channels	information	All of these
				to control	
		to connect	to separate	Network	
2	What is the use of Bridge in Network?	LANs	LANs	Speed	All of these
		Layer 1	Layer 3	Layer 4	Layer 7
	Router operates in which layer of OSI Reference	(Physical	(Network	(Transport	(Application
3	Model?	Layer)	Layer)	Layer)	Layer)
		Transmission	Connected		
		capacity of a	Computers	Class of IP	
		communicatio	· ·	used in	
4	What is the meaning of Bandwidth in Network?	n channels	Network	Network	None
	6			A system	
			An operating	-	
		The physical	System of	prevent	A web
		boundary of	Computer	unauthorized	browsing
[What is a Firewall in Computer Network?	Network	Network		Software
<u> </u>	What is a Firewall in Computer Network?			access	
	Duides weeks in which level of the OCI and doll	Appliation	Transport	Network	Datalink
<u> </u>	Bridge works in which layer of the OSI model?	layer	layer	layer	layer Constant
			Only	Source and	Source or
		Only Source	Destination	Destination	Destination
7	Each IP packet must contain	address	address	<mark>addres</mark> s	address
	Which protocol provides a connection-oriented				
8	reliable service for sending messages	TCP	IP	UDP	All of these
		Transport,	Network,	Datalink,	Physical,
		Session,	Transport,	Network,	Datalink,
	Which layers of the OSI model are host-to-host	Presentation,	Session,	Transport,	Network,
9	layers?	Application	Presentation	Session	Transport
10	Which of the following IP address class is Multicast	Class A	Class B	Class C	Class D
		Unicast	Network	Broadcast	
11	The last address of IP address represents	address	address	<mark>address</mark>	None
12	How many layers are in the TCP/IP model?	4 layers	5 layer <mark>s</mark>	6 layers	7 layers
	Which of the following layer of OSI model also called	Presentation	Network	-	Transport
13	end-to-end layer?	layer	layer	Session layer	layer
	,	, , , , , , , , , , , , , , , , , , ,	,	, , ,	
					Forwards a
					packet to all
				Determines	outgoing
			Forwards a	on which	links except
		Eonwards a			
		Forwards a	packet to	outing link a	the
		1.	the next free	•	originated
14	What does Router do in a network?	outgoing links	outgoing link	be torwarded	link

C 11					
SrNo	question	answer1	answer2	answer3	answer4
		Protocol	Protocol	Protocol	
		defines what	defines how	defines when	
		data is	data is	data is	
		communicate	communicat	communicate	
15	What does protocol defines?	d.	ed.	d	All of these
		It divides one	It divides		
				lt speeds up	
		large network			
1.5		into several	network	the speed of	
16	What is the uses of subnetting?	smaller ones	classes	network	None
			Data link	Network	Transport
	Repeater operates in which layer of the OSI model?	Physical layer	layer	layer	layer
_	Which of the following is not the Networking	Gateways	<u>Linu</u> x	Routers	Firewalls
19	What is the size of MAC Address?	16-bits	32-bits	48-bits	64-bits
		Transport	Data Link	Application	Physical
20	MAC Address is the example of	Layer	Layer	Layer	Layer
					Routes to
			Port	Distribute IP	use for
			Assignments	address to	forwarding
		MAC Address	to network	network	data to its
21	Routing tables of a router keeps track of	Assignments	devices	devices	destination
	Routing tubies of a router keeps track of	Collection of	devices	devices	acstination
		hardware	Interconnect		
				Charina of	
		components	ed by	Sharing of	
22	Define Male and the	and		resources and	A 11 - C 11
	Define Networking	computers	ion channels		All of these
	Which of the following is/are Protocols of	FTP	DNS	Telnet	All of these
	Which of the following protocol are defined in				
24	Transport layer?	FTP	TCP	UDP	TCP and UDP
			Typically		
			used to		Typically
		used to	indicate	Typically used	used to
	What is the purpose of the PSH flag in the TCP	indicate end	beginning of	to push the	indicate stop
25	header?	of message	message	message	the messag <mark>e</mark>
		-		255.255.255.	255.255.255.
26	What is the natural mask for a class C Network?	255.255.255.1		254	255
		b <mark>roadcast</mark>	unicast	multicast	
27	on the network in	network	network	network	none
	A is a device that forwards packets between				
1	networks by processing the routing information				
	included in the packet.	bridge	firewall	routor	All of these
28	пісіциец іїї тіе раскет.		IIIEWall	<mark>route</mark> r	All OI these
	NAME THE RESIDENCE OF THE PROPERTY OF THE PROP	Fiber optical	Canadal	NACional Constant	
29	Which of this is not a guided media?	cable	Coaxial cable	Wireless LA <mark>N</mark>	Copper wire
	Coaxial cable consists of concentric copper conductors.		_	3	

		1	1	ı	1
SrNo	question	answer1	answer2	answer3	answer4
		Immune			
		electromagne	Very less		
		tic	signal	Very hard to	
31	Fiber optics posses following properties	interference	attenuation	tap	All of these
		Are placed at		·	
		a fixed point	Rotate the	Rotate the	
		above the	earth about	earth about a	
22	Geostationary satellites	earth	a fixed axis	varying axis	All of these
	Physical or logical arrangement of network is	Topology	Routing	Networking	None
		Star	Mesh		Bus
	In this topology there is a central controller or hub			Ring	-
35	This topology requires multipoint connection	Star	Mesh	Ring	Bus
	Data communication system spanning states,				
36	countries, or the whole world is	LAN	WAN .	MAN	None
			Handle		Packet
		Error	addressing	Datagram	handling
37	Which of the following is not applicable for IP?	reporting	conventions	format	conventions
		is		offer	
		connectionles	offer reliable	unreliable	
38	Which of these is not applicable for IP protocol?	s	service	service	None
	The network layer concerns with	bits	frames	packets	none
	The network tayer concerns with	5.65	Turnes	pacitots	
	Which one of the following is not a function of		inter-	congestion	
40	network layer?	routing	networking	control	none
40	Hetwork layer:	routing			Hone
			Process to	Both of the	l
41	Application layer offers service	End to end	process	mentioned	None
			File		Interactive
42	Pick the odd one out	File transfer	download	E-mail	games
			File transfer,		
		Network	access, and		
	Which of the following is an application layer service	virtual	managemen		
43	?	terminal	t	Mail service	All of thes <mark>e</mark>
44	Ethernet System use which of the services?	Bus	Ring	Star	Tree
			_		
45	Which of the following is the making of secret codes?	Cryptography	Cryptology	Cryptanalysis	Crypto
	Which of the following is the art and science of	,, <u>g</u> ,	Cryptograph	,,,	1 /1
46	making and breaking secret codes?	Cryptology	v	Cryptanalysis	Crypto
	Data has become a fundamental issue in	Confidentialit	<u>'</u>	/ p carrary 5:5	5.7,500
17	information security.		Integrity	Sacurity	Availability.
4 /		Y Confidentialit	Integrity	Security	Availability.
4.0	Which of the following aims to prevent unauthorized		linka ciriti	Coought	A veile leitt
48	reading of information?	у.	Integrity.	Security	Availability.
	is used for hiding the payment				
49	information from the merchant	SET	SSL	SHTTP	TSP
		Default	Default	D <mark>ata</mark>	Data
		Encryption	Encryption	Encryption	Encryption
50	DES stands for	System.	Standard	<mark>Standar</mark> d	System.
	220 3641143 101	075001111	otarraar a	otanida d	10,000

SrNo	question	answer1	answer2	answer3	answer4
	1		Asymmetric		
		Symmetric	key		
	In which of the following the encryption and	key	cryptograph	Public key	Non secret
51	decryption key are same?	cryptography.	у.	cryptography.	key.
	Which of the following is based on"trap door one	Public key		Symmetric	
52	way" function?		Public key	key.	Secret key.
		Certificate	Controlled	Certification	Certificate
53	CAs stands for	authorities.	activities.	authority.	anomaly.
	5 4405 440 4 4 5	Message	Messenger	Message	Message
54	For MD5, MD stands for	digest.	digest.	dependent.	decryption.
				both	
				algorithm for	
				performing encryption	
		algorithm for		and	
		performing		decryption	
		encryption		and	
		and	encrypted	encrypted	decrypted
55	In cryptography, what is cipher?	decryption	message	message	message
		7.	Ĭ		
					all the
					connected
	In asymmetric key cryptography, the private key is			sender and	devices to
56	kept by	sender	<mark>receiver</mark>	receiver	the network
			diffie-	electronic	
	Which one of the following algorithm is not used in		hellman	code book	dsa
57	asymmetric-key cryptography?	rsa algorithm	algorithm	<mark>algorith</mark> m	algorithm
				1	
				both	
				transposition	
	In cryptography, the order of the letters in a message	transpositions	cubetitution	al ciphers and substitution	quadratic
59	is rearranged by	l ciphers	ciphers	ciphers	ciphers
38	is rearranged by	ГСІРПСІЗ	stream	cipiicis	cipiicis
59	What is data encryption standard (DES)?	block cipher	cipher	bit cipher	byte cipher
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1.1.2.0.0.101
		to find some			
		insecurity in a			
			to increase	to encrypt	to make new
60	Cryptanalysis is used	scheme	the speed	the data	ciphers
	Symmetric-key cryptography started thousands of				
61	years ago when people needed to exchange	Files	Packets	Secrets Secrets	Transmission
				many-to-	
	The relationship between a character in the plaintext	many-to-one	one-to-many	,	
62	to a character is	relationship	relationship	relationship	None -
		Corrupting	Secret		Closed
I 63	Cryptography, a word with Greek origins, means	Data	Writing	Open Writing	Writing

SrNo	question	answer1	answer2	answer3	answer4
	A transposition cipher reorders (permutes) symbols	block of	block of	block of	block of
64	in a	packets	slots	signals	symbols
65	How long is an IPv6 address?	32 bits	128 byte	64 bits	128 bits
	What is the frequency range of the IEEE 802.11a				
66	standard?	2.4Gbps	5Gbps	2.4GHz	5GHz
	Communication between a computer and a keyboard				
67	involves transmission.	Automatic	Half-duplex	Full-duplex	Simplex
	A set of rules that governs data				
68	communication.	Protocols	Standards	RFCs	Servers
	Three or more devices share a link in				
69	connection.	Unipoint	Multipoint	Point to point	Simplex
		the computer	the	the computer	
		that	computer	that	
		originates the	that routes	terminates	
70	In computer network nodes are	data	the data	the data	All of these
	Communication channel is shared by all the machines	broadcast	unicast	multicast	anycast
71	on the network in	network	network	network	network
		personal area	local area	virtual private	wide area
72	Bluetooth is an example of	network	network	network	network
	A is a device that forwards packets				
	between networks by processing the routing				
73	information included in the packet.	bridge	firewall	router	hub
	,			when	
				connection	
		in case of	when a	between two	in case of
		traffic	system	nodes	transfer
74	Network congestion occurs	overloading	terminates	terminates	failure
	How many layers are present in the Internet protocol				
75	stack (TCP/IP model)?	5	7	6	10
	The number of layers in ISO OSI reference model is				
76	, , , , , , , , , , , , , , , , , , ,	5	7	6	10
			_		
					Session and
	Which of the following layers is an addition to OSI	Application	Presentation		Presentation
77	model when compared with TCP IP model?	layer	layer	Session layer	layer
		,			Packet
78	Application layer is implemented in	End system	NIC	Ethernet	transport
	, p =	,			-1
					Signal
79	Transport layer is implemented in	End system	NIC	Ethernet	transmission
	The functionalities of the presentation layer include	Data	Data	Data	
80	i i i i i i i i i i i i i i i i i i i	compression	encryption	description	All of these
				optical	
		open system	operating	service	
		interconnecti	system	implementati	open service
81	OSI stands for	on	interface	on	Internet
<u></u>	OSI 3talia3 loi	I OII	Interface	011	michiet

SrNo	question	answer1	answer2	answer3	answer4
	TCP/IP model does not have layer but OSI		transport	application	network
82	model have this layer	session layer	layer	layer	layer
	Which layer is used to link the network support layers		data link	transport	network
83	and user support layers?	session layer	layer	layer	layer
	Which layer is responsible for process to process	,	transport	·	data link
84	delivery in a general network model?	network layer	laye <mark>r</mark>	session layer	layer
	Which address is used to identify a process on a host	physical	logical		specific
85	by the transport layer?	address	address	port addres <mark>s</mark>	address
		application		presentation	physical
86	Which layer provides the services to user?	layer	session layer	layer	layer
			physical		transport
87	Transmission data rate is decided by	network layer	<mark>layer</mark>	data link layer	layer
			process to	application to	
		bit-by-bit	process	application	port to port
88	The physical layer is concerned with	delivery	delivery	delivery	delivery
	The data link layer takes the packets from		physical	transport	application
89	and encapsulates them into frames for transmission.	network laye <mark>r</mark>	layer	layer	layer
		cyclic		code	
		redundancy	code repeat	redundancy	cyclic repeat
90	CRC stands for	check	check	check	check
				Both	
	Which of the following is the multiple access protocol			CSMA/CD &	
91	for channel access control?	CSMA/CD	CSMA/CA	CSMA/CA	HDLC
	The network layer is concerned with of				
92	data.	bits	frames	packets packets	bytes
				network	network
		l '	only host	address &	address &
93	A 4 byte IP address consists of	address	address	host addres <mark>s</mark>	MAC address
				hypertext	su
	The network layer protocol for internet is	l	i <mark>nternet</mark>	transfer	file transfer
94		etherneT	<mark>protocol</mark>	protocol	protocol
	Transport layer aggregates data from different			1	
0.5	applications into a single stream before passing it to		data link	application	physical
95	NAVICAL AFAIR AFAIR AND	network layer	layer	layer	layer
0.0	Which of the following are transport layer protocols	TCD and ETD	UDP and	TCD and UDD	HTTP and FTP
90	used in networking?	TCP and FTP	HTTP	TCP and UDP	FIF
			uses a three	receives data	
		lis a	way	from	
		connection-	handshake	application as	
		oriented	to establish	a single	
97	Transmission control protocol	protocol	a connection	_	All of these
97	Transmission control protocol	ρισιστοί	a connection	sti Calli	און טו נוופאפ
		datagram	stream		user
		congestion	control	structured	congestion
	Which one of the following is a version of UDP with	control	transmission		control
۵۶	congestion control?	protocol	protocol	transport	protocol
	ICONECJUON CONTROL:	I Protocoi	Protocol	la anshort	Protocor

SrNo	question	answer1	answer2	answer3	answer4
	Physical or logical arrangement of network is				
99		Topology Topology	Routing	Networking	Control
	Which network topology requires a central controller				
	or hub?	<mark>Star</mark>	Mesh	Ring	Bus
101	topology requires a multipoint connection.	Star	Mesh	Ring	Bus
	Data communication system spanning states,				
102	countries, or the whole world is	LAN	WAN	MAN	PAN
	Data communication system within a building or				
103	campus is	LAN	WAN	MAN	PAN
		World area	Wide area	Web area	Web access
104	WAN stands for	network	network	network	network
105	In TDM, slots are further divided into	Seconds	Frames	Packets	Bits
	is the multiplexing technique that shifts each			Both FDM &	
106	signal to a different carrier frequency.	FDM	TDM	TDM	PDM
		Connection-	Process-to-	Transport	
107	Which of the following is false with respect to TCP?	oriented	process	layer protocol	Unreliable
		Stream of	Sequence of		
108	In TCP, sending and receiving data is done as	bytes	characters	Lines of data	Packets
	TCP process may not write and read data at the same				
109	speed. So we need for storage.	Packets	Buffers	Segments	Stacks
				J	
110	Communication offered by TCP is	Full-duplex	Half-duplex	Semi-duplex	Byte by byte
	To achieve reliable transport in TCP, is			'	Acknowledg
111	used to check the safe and sound arrival of data.	Packet	Buffer	Segment	ment
	In segment header, sequence number and		Buffer	Segment	Acknowledg
112	acknowledgement number fields refer to	Byte number	number	number	ment
	The receiver of the data controls the amount of data	,			
	that are to be sent by the sender is referred to as			Congestion	Error
113	,	Flow control	Error control	_	detection
	Size of TCP segment header ranges between	16 and 32	16 and 32	20 and 60	20 and 60
114		bytes	bits	bytes	bits
					Both
					Sequence &
			Acknowledg		Acknowledg
	What allows TCP to detect lost segments and in turn	Sequence	ment		ment
115	recover from that loss?	Inumber	number	Checksum	number
113	Tecover from that loss:	Indilibei	Indiliber	CHECKSUIII	liullibei
			Handle		Packet
		Error		Datagram	handling
110	Which of the following is not applied by the for 102	Error	addressing	Datagram	
110	Which of the following is not applicable for IP?	reportin <mark>g</mark>	conventions	format	conventions
			orthogonal		l
			frequency		channel
		time division	division	space division	
117	Mostly is used in wireless LAN.	multiplexing	multiplexing	multiplexing	multiplexing

SrNo	question	answer1	answer2	answer3	answer4
			acknowledg	multi-mode	connection
	Which one of the following event is not possible in	collision	ement of	data	to wired
118	wireless LAN?	detection	data frames	transmission	networks
			a vast	interconnecti	interconnect
			collection of	on of local	ion of wide
		a single	different	area	area
119	What is internet?	network	networks	networks	networks
				both packet	
				switching and	
		packet	circuit	circuit	data
120	Internet works on	switching	switching	switching	switching
			Handle		Packet
		Error	addressing	Datagram	handling
121	Which of the following is not applicable for IP?	reporting	conventions	format	conventions
	Which of the following field in IPv4 datagram is not				
_	related to fragmentation?	Flags	Offset	TOS	Identifier
	In brute force attack, on average half of all possible				
123	keys must be tried to achieve success.	TRUE	FALSE	Partially	None
	If the sender and receiver use different keys, the				
124	system is referred to as conventional cipher system.	TRUE	FALSE	Partially	None
	Which systems use a timestamp?				
1	i) Public-Key Certificates				
	ii) Public announcements				
	iii) Publicly available directories				
125	iv) Public-Key authority	i) and ii)	iii) and iv)	<mark>i) and iv</mark>)	iv) only
			Logic Link		
1	Which layer in the IEEE 802.11 protocol stack has the		Control	Medium	None of
126	function of flow control and error control?	Physical Layer	<u> </u>	Access Layer	these
		Wireless	Wireless	Wireless	None of
127	Wi-Fi stands for-	Fidelity	LAN	FLAN	these
	Wired networks are far more susceptible to				
$\overline{}$	eavesdropping and jamming than wireless networks.	TRUE	FALSE	Partially	None
	Another name for the Wireless Ethernet 802.11a is-	Wi-Fi	Wi-Fi4	Wi-Fi5	Wi-Fi6
	A device that helps prevent congestion and data	L	l		
130	collisions –	Switch	Hub	Gateway	Proxy Server
	Which layer 1 devices can be used to enlarge the	l			
131	area covered by a single LAN segment?	Hub	Repeater	Both 1 & 2	None
	What is the maximum number of IP addresses that				
1	can be assigned to hosts on a local subnet that uses			, -	
132	the 255.255.255.224 subnet mask?	14	15		<mark>30</mark>
				Resources	
				and	
133	A computer network permits sharing of	Resources	Information	Information	None
		.	Automated	Automatic	Automated
		Automatic	teller	transfer	transfer
ı 134	ATM stands for	taller machine	machine	machine	machine

SrNo	question	answer1	answer2	answer3	answer4
	is the technology that connects the				
135	machines and people within a site in a small area	LAN	MAN	WAN	None
	is a network that covers geographic				
136	areas that are larger, such as districts or cities.	LAN	MAN	WAN	None
	is a network that this technology				
137	connects sites that are in diverse locations.	LAN	MAN	WAN	None
	is a collection of point-to-point links that				Ring
138	may form a circle.	LAN	MAN	WAN	Topology
	,	connectionles	Interconnect	connection	, ,,
139	ATM networks are	s	ed	oreiented	None
					Dynamic
		Dynamic Host	Digital Host	Digital Host	Host
		Configuration	Communicat	Communicati	Configuratio
140	DHCP stands for	Protocol	ion Provider	on Protocol	n Provider
	Which type of topology is best suited for large				
	businesses which must carefully control and				
	coordinate the operation of distributed branch		local area		
141	outlets?	Ring	network	Hierarchical	Star
	Which of the following transmission directions listed				Double
142	is not a legitimate channel?	Simlex	Half-duplex	Full-duplex	duplex
	"Parity bits" are used for which of the following	Encryption of	To transmit	To detect	To identify
143	purposes?	data	faster	errors	the user
	What kind of transmission medium is most				
	appropriate to carry data in a computer network that	Unshielded			
144	is exposed to electrical interferences?	twisted pair	Optical fiber	Coaxial cable	Microwave
					Hypertext
	A collection of hyperlinked documents on the	World Wide	E-mail		Markup
145	internet forms the ?.?	Web (WWW)	system	Mailing list	Language
	The location of a resource on the internet is given by			E-mail	
146	its?	Protocols	URL	address	ICQ
		Hyper			
		terminal	Hypertext	hypertext	Hypertext
		tracing	tracing	transfer	Markup
147	The term HTTP stands for?	program	protocol	protocol	Program
	Which software prevents the external access to a				Virus
148	system?	Firewall	Gateway	Router	checker
		Private-key	Shared-key	Public-key	
149	A digital signature needs a	system	system	system	All of these
	helps in ensuring non-fraudulent	Certificate	Digital	Dual	Digital
150	transactions on the web	authority	authority	authority	signature