

No.no	question	answer1	answer2	answer3
1.	Another name for the Wireless Ethernet 802.11a is-	Wi-Fi	Wi-Fi4	Wi-Fi5
2.	Bluetooth is an example of _____	personal area network	local area network	virtual private network
3	WAN stands for	World area network	Wide area network	Web area network
4	Which software prevents the external access to a system?	Firewall	Gateway	Router
5	Which one of the following is a version of UDP with congestion control?	datagram congestion control protocol	stream control transmission protocol	structured stream transport
6	Which of the following is false with respect to TCP?	Connection- oriented	Process-to- process	Transport layer protocol
7	What is the purpose of the PSH flag in the TCP header?	Typically used to indicate end of message	Typically used to indicate beginning of	Typically used to push the message
8	is used for hiding the payment information from the merchant	SET	message SSL	SHTTP
9	Ethernet System use which of the services?	Bus	Ring	Star
10	Which of the following layer of OSI model also called end-to-end layer?	Presentation layer	Network	Session layer
11	Repeater operates in which layer of the OSI model?	Physical layer	Data link layer	Network layer
12	Transmission data rate is decided by	network layer	physical	data link layer
13	Symmetric-key cryptography started thousands of years ago when people needed to exchange	Files	Packets	Secrets
14	Cryptanalysis is used _	to find some insecurity in a cryptographic scheme Encryption of data	to increase the speed	to encrypt the data
15	"Parity bits" are used for which of the following purposes?	Encryption of data	To transmit faster	To detect errors
16	Which of the following protocol are defined in Transport layer?	FTP	TCP	UDP

17	Which type of topology is best suited for large businesses which must carefully	Ring	local area network	Hierarchical
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	control and coordinate the operation of distributed branch			
18	TCP process may not write and read data at the same speed.	Packets	Buffers	Segments
19	Which address is used to identify a process on a host for storage.	physical address	logical	port address
18	Each IP packet must contain	Only Source address	Only Destination	Source and Destination
21	Three or more devices share a link in connection.	Unipoint	address Multipoint	address Point to point
22	Communication between a computer and a keyboard involves transmission.	Automatic	Half-duplex	Full-duplex
23	Transport layer is implemented in _	End system	NIC	Ethernet
24	Which of the following layers is an addition to OSI model when compared with TCP IP model?	Application layer	Presentation layer	Session layer
25	A set of rules that governs data communication.	Protocols	Standards	RFCs
26	Which of the following is based on "trap door one way" function?	Public key cryptosystem	Public key	Symmetric key.
27	Routing tables of a router keep track of	MAC Address Assignments	Port Assignments to	Distribute IP address to
28	_ is a collection of point-to-point links that may form a circle.	LAN	MAN	WAN
29	In cryptography, the order of the letters in a message is rearranged by	transpositional ciphers	substitution ciphers	both transpositional
30	A device that helps prevent congestion and data collisions –	Switch	Hub	ciphers and Gateway
31	The physical layer is concerned with	bit-by-bit delivery	process to process delivery	application to application delivery
32	Which layers of the OSI model are host-to-host layers?	Transport, Session, Presentation, Application	Network, Transport, Session, Presentation	Datalink, Network, Transport, Session
33	MAC Address is the example of	Transport Layer	Data Link	Application
34	Which layer provides the services to user?	application layer	session layer	presentation
35	Transport layer aggregates data from different applications into	network layer	data link layer	application layer

36	a single stream before passing it to _ is the multiplexing technique that shifts each signal to a different carrier frequency.	FDM	TDM	Both FDM & TDM
37	Data communication system spanning states, countries, or the whole world is _	LAN	WAN	MAN
38	Data communication system within a building or campus is	LAN	WAN	MAN
39	In TCP, sending and receiving data is done as	Stream of bytes	Sequence of	Lines of data
40	Application layer is implemented in __	End system	NIC	Ethernet

41	Which of the following is not applicable for IP?	Error reporting	Handle addressing	Datagram format
42	OSI stands for _____	open system interconnection	operating	optical service
43	Wi-Fi stands for-	Wireless Fidelity	Wireless LAN	Wireless FLAN
44	Which layer in the IEEE 802.11 protocol stack has the function of flow control and error control?	Physical Layer	Logic Link Control	Medium Access Layer
45	The last address of IP address represents	Unicast address	Layer Network address	Broadcast address
46	In brute force attack, on average half of all possible keys must be tried to achieve success.	TRUE	FALSE	Partially
47	If the sender and receiver use different keys, the system is referred to as conventional cipher system.	TRUE	FALSE	Partially
48	Wired networks are far more susceptible to eavesdropping and jamming than wireless networks.	TRUE	FALSE	Partially
49	What is the meaning of Bandwidth in Network?	Transmission Capacity of a communication channe	Connected Computers in the Network	Class of IP used in Network
50	Physical or logical arrangement of network is	Topology	Routing	Networking
51	Which one of the following is not a function of network layer?	Routing	inter-networking	congestion control
52	A computer network permits sharing of	Resources	Information	Resources and Information
53	The relationship between a character in the plaintext to a character is	many-to-one relationship	one-to-many relationship	many-to- many relationship
54	Data communication system spanning states, countries, or the whole world is	LAN	WAN	MAN
55	_ is the technology that connects the machines and people within a site in a small area	LAN	MAN	WAN
56	_ is a network that covers geographic areas that are larger, such as districts or cities.	LAN	MAN	WAN

57	_ is a network that this technology connects sites that are in diverse locations.	LAN	MAN	WAN
58	What is the uses of subnetting?	It divides one large network into several smaller on	It divides network into network classes	It speeds up the speed of network
59	Which of these is not applicable for IP protocol?	is connectionles	offer reliable service	offer unreliable service
60	Which layer 1 devices can be used to enlarge the area covered by a single LAN segment?	Hub	Repeater	Both 1 & 2
61	Application layer offers ____service	End to end	Process to process	Both of the mentioned
62	ATM networks are	connectionles	Interconnect ed	connection oreiented
63	Communication channel is shared by all the machines	broadcast network	Unicast	multicast
64	The network layer concerns with____of data.	Bits	frames	packets
65	In which of the following the encryption and decryption key are same?	Symmetric key cryptography.	Asymmetric key	Public key cryptography.
66	TCP/IP model does not have layer but OSI model have this layer	session layer	cryptographtransport layer	application layer
67	Which layer is used to link the network support layers and user support layers?	session layer	data link layer	transport layer
68	A 4 byte IP address consists of _	only network address	only host address	network address & host address
69	What kind of transmission medium is most appropriate to carry data in a computer network that is exposed to electrical interferences?	Unshielded twisted pair	Optical fiber	Coaxial cable
70	For MD5, MD stands for	Message digest.	Messenger digest.	Message dependent.
71	Router operates in which layer of OSI Reference Model?	Layer 1 (Physical Layer)	Layer 3 (Network Layer)	Layer 4 (Transport Layer)
	Which systems use a timestamp? i) Public-Key Certificates ii) Public announcements iii) Publicly available directories iv) Public-Key authority	i) and ii)	iii) and iv)	i) and iv)
73	What is internet?	a single network	a vast collection of different networks	interconnecti on of local area networks
74	Pick the odd one out	File transfer	File download	E-mail
75	Network congestion occurs	in case of traffic overloading	when a system terminates	when connection between two nodes terminates
76	Which of the following field in IPv4 datagram is not related to fragmentation?	Flags	Offset	TOS

77	The location of a resource on the internet is given by its?	Protocols	URL	E-mail address
78	A collection of hyperlinked documents on the internet forms the ?	World Wide Web (WWW)	E-mail system	Mailing list
79	The terms http stands for ?	Hyper terminal tracing program	Hypertext tracing protocol	hypertext transfer protocol
80	A _ is a device that forwards packets between networks by processing the routing information included in the packet.	Bridge	firewall	Router
81	Which of the following are transport layer protocols used in networking?	TCP and FTP	UDP and HTTP	TCP and UDP
82	Which of the following is the multiple access protocol for channel access control?	CSMA/CD	CSMA/CA	Both CSMA/CD & CSMA/CA
83	What does Router do in a network?	Forwards a packet to all outgoing links	Forwards a packet to the next free	Determines on which outgoing link a packet is to be forwarded
84	Which of the following is not the Networking	Gateways	Linux	Routers
85	The network layer protocol for internet is –	ethernet	internet protocol	hypertext transfer
86	The receiver of the data controls the amount of data that are to be sent by the sender is referred to as	Flow control	Error control	Congestion control
87	DHCP stands for	Dynamic Host Configuration Protocol	Digital Host Communication Provider	Digital Host Communication Protocol
88	Which one of the following algorithm is not used in asymmetrickey cryptography?	rsa algorithm	diffie-hellman algorithm	electronic code book algorithm
89	Which of the following transmission directions listed is not a legitimate channel?	Simlex	Half-duplex	Full-duplex
90	_ helps in ensuring non-fraudulent transactions on the web	Certificate authority	Digital authority	Dual authority
91	In cryptography, what is cipher?	algorithm for performing encryption and decryption	encrypted message	both algorithm for performing encryption and decryption and encrypted
92	Bridge works in which layer of the OSI model?	Application layer	Transport layer	Network layer
93	Internet works on	packet switching	circuit switching	both packet switching and circuit
94	Which layer is responsible for process to process delivery in a general network model?	network layer	transport layer	switching session layer
95	DES stands for	Default Encryption System.	Default Encryption Standard	Data Encryption Standard

96		cyclic redundancy check	code repeat check	code redundancy check
97	CRC stands for _ Which of the following is the art and science of making and breaking secret codes?	Cryptology	Cryptograph y	Cryptanalysis

98	Which of the following is the making of secret codes?	Cryptography	Cryptology	Cryptanalysis
99	Which of this is not a guided media ?	Fiber optical cable	Coaxial cable	Wireless LAN
100	Physical or logical arrangement of network is _	Topology	Routing	Networking
101	Which one of the following event is not possible in wireless LAN?	collision detection	acknowledg ement of data	multi-mode data
102	Cryptography, a word with Greek origins, means	Corrupting Data	Secret Writing	transmission Open Writing
103	Which of the following IP address class is Multicast	Class A	Class B	Class C
104	Mostly is used in wireless LAN.	time division multiplexing	orthogonal frequency	space division multiplexing
105	CAS stands for	Certificate authorities.	Controlled activities.	Certification authority.
106	The network layer is concerned with of data.	Bits	Frames	packets
107	What is data encryption standard (DES)?	block cipher	stream cipher	bit cipher
108	Communication offered by TCP is _	Full-duplex	Half-duplex	Semi-duplex
109	In this topology there is a central controller or hub	Star	Mesh	Ring
110	This topology requires multipoint connection	Star	Mesh	Ring
111	Which network topology requires a central controller or hub?	Star	Mesh	Ring
112	topology requires a multipoint connection.	Star	Mesh	Ring
113	What allows TCP to detect lost segments and in turn recover from that loss?	Sequence number	Acknowledg ment number	Checksum
114	A transposition cipher reorders (permutes) symbols in a	block of packets	block of slots	block of signals

115		Seconds	Frames	Packets
116	In TDM, slots are further divided into _ Which of the following aims to prevent unauthorized reading of information?	Confidentialit y.	Integrity.	Security
117	Data has become a fundamental issue in information security.	Confidentialit y	Integrity	Security

118	ATM stands for	Automatic teller machine	Automated teller machine	Automatic transfer machine
119	The data link layer takes the packets from and encapsulates them into frames for transmission.	network layer	physical layer	transport layer
120	Communication channel is shared by all the machines on the network in _____	broadcast network	unicast network	multicast network
121	In asymmetric key cryptography, the private key is kept by _	Sender	Receiver	sender and receiver
122	What is the use of Bridge in Network?	to connect LANs	to separate LANs	to control Network Speed
123	In computer network nodes are _	the computer that originates the data	the computer that routes the data	the computer that terminates the data
124	Which protocol provides a connection-oriented reliable service for sending messages	TCP	IP	UDP
125	What does protocol defines?	Protocol defines what data is communicate d.	Protocol defines how	Protocol defines when data is
126	A digital signature needs a	Private-key system	data is Shared-key system	communicate dPublic-key system
127	Which of the following is an application layer service?	Network virtual terminal	File transfer,	Mail service
128	Transmission control protocol	is a connection- oriented protocol	uses a three way handshake	receives data from application
129	Fiber optics posses following properties	Immune electromagne tic interference	to establish a Very less signal attenuation	as a single Very hard to tap
130	Which of the following is/are Protocols of	FTP	DNS	Telnet
131	The functionalities of the presentation layer include	Data compression	Data encryption	Data description

132	Computer Network is Define Networking	Collection of hardware components and compute Collection of hardware components and compute	Interconnect ed by communicat ion channels rInterconnect ed by	Sharing of resources and information Sharing of resources and information
133 134	A _ is a device that forwards packets between networks by processing the routing information included in the packet.	Bridge	communicat Firewall	router
135	Geostationary satellites	Are placed at a fixed point above the earth	Rotate the earth about a	Rotate the earth about a varying
136	To achieve reliable transport in TCP, is used to check the safe and sound arrival of data.	Packet	fixed axis Buffer	axis Segment
137	In segment header, sequence number and acknowledgement number fields refer to __	Byte number	Buffer Number	Segment number
138	What is a Firewall in Computer Network?	The physical boundary of Network	An operating System of Computer Network	A system designed to prevent unauthorized access

139	How many layers are in the TCP/IP model?	4 layers	5 layers	6 layers
140	What is the size of MAC Address?	16-bits	32-bits	48-bits
141	What is the frequency range of the IEEE 802.11a standard?	2.4Gbps	5Gbps	2.4GHz
142	What is the natural mask for a class C Network?	255.255.255.1	255.255.255.0	255.255.255.254
143	Size of TCP segment header ranges between	16 and 32 bytes	16 and 32 bits	20 and 60 bytes
144	How long is an IPv6 address?	32 bits	128 byte	64 bits
145	What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask?	14	15	16
146	How many layers are present in the Internet protocol stack (TCP/IP model)?	5	7	6
147	The number of layers in ISO OSI reference model is _	5	7	6
148	Coaxial cable consists of _concentric copper conductors.	1	2	3