001.	Data	a communication system within a perso	nal ar	rea is	D
	Α	WAN	В	MAN	
	C	LAN	D	PAN	
002.	_	communication channel is shared by se	_		Α
		Multicast Network	В	Unicast Network	
	С	Broadcast Network	D	Anycast Network	
003.		is the first network.			В
	Α	CISCO	В	ARPANET	
	С	ASAPNET	D	NFSNET	
004.	In th	ne layer hierarchy, as the data packet n	noves	from the lower layers to the upper	Α
	laye	rs, headers are			
	Α	Added	В	Removed	
	С	Rearranged	D	Modified	
005.	Wha	nt is the data format used in Data Link I	Layer		Α
	Α	Frame	В	Packet	
	С	Segment	D	Bits	
006.	Α	is the physical path over which	a me	ssage transactions happens	D
	Α _	Path	В	Routing	
	С	Protocol	D	Medium	
007.	How	many layers are present in the OSI mo	odel?		В
	Α	5	В	7	
	С	10	D	12	
008.		topology requires a multipoint cor	- nnecti		D
	Ā	Star	В	Mesh	
	C	Ring	D	Bus	
വര	_	sical or logical arrangement of network	_	243	Α
000.	A	Topology	Ю В	Control	^
	C	Routing	D	Networking	
010	_	miting and synchronization of data exch	_	•	В
010.	A	Transport Layer	В	Session Layer	_
	C	Network Layer	D	Presentation Layer	
011		ismission Control protocol has been us		•	Α
011.	_	Transport Layer	В		^
	A C	Network Layer	D	Datalink Layer	
042		it is the full form of MAC	ט	Presentation Layer	Α
UIZ.	_	Media Access Control	D	Machine Authorization Code	A
	A C		B D	Machine Authentication Code	
042	_	Machine Access Code		Message Authentication Code	D
uis.		nmunication between a computer and a	nome	er computer involves	ט
	_	smission.	Ь	Cimanlay	
	A	No Communication line	В	Simplex	
044	C	Half Duplex	D	Full Duplex	_
014.	_	at is the Full form of IP address?	_	Later and a L Destanda	С
	A	Information Protocol	В	Integrated Protocol	
	С	Internet Protocol	D	Informative Protocol	_
015.		many bits does a IPV4 address have?			В
	Α	48	В	32	
_	С	8	D	4	
016.	_	ryption or encryption of data are the res	-		D
	Α	Transport Layer	В	Session Layer	
	С	Network Layer	D	Presentation Layer	
017.	Whi	ch of the following is an example of sim	plex r		Α
	Α	Keyboards	В	Walkie-talkie	
	$\mathbf{C}$	Telephone network	D	Complex network	

018.	ICP is the acronym for			C
	A Trivial Control Program	В	Triggering Control Protocol	
	C Transmission Control Protocol	D	Transport Control Protocol	
019.	Which type of topology is best suited for larg	-		В
	and coordinate the operation of distributed by			
	A Ring	В	Star	
	C Mesh	D	Bus	
020.	What is the correct order of data blocks in the			Α
	, , ,	В	Segment, Packet, Frame,	
	C Packet, Frame, Segment,			_
021.	In the TCP/IP protocol suite, the		layer is responsible for transferring the	D
	packets from one router to the next.	_	_	
	A Physical	В	Transport	
000	C Data Link	D	Network	_
022.	Which one of the following is a network top			В
	A Router	В	Ring	
000	C Channel	D	Peer to Peer	
U <b>Z</b> 3.	In an OSI model architecture layer			Α
	A Session Layer C Network Layer	B D	Datalink Layer	
024	C Network Layer A device that can be connected to a networ		Transport Layer	D
U <b>Z</b> 4.	A Distributed device	k witi B	Centralized device	ט
		D	Wireless device	
025	Which layer is the topmost layer in the TCP			С
U <b>Z</b> J.	A Transport Layer	, п. п. В	Internet Layer	•
	C Application Layer	D	Network Layer	
026.	In which layer the various services directly p	_	•	С
020.	A Session Layer	В	Datalink Layer	
	•	D	Presentation Layer	
027.	What are the different data transmission me		•	D
	and links?			
		В	Circuit switching and Line switching	
		D	Packet switching and circuit switching	
028.	is the global system of interconne	ected	computer networks that uses the	В
	Internet protocol suite		·	
	A Network	В	Internet	
	C Web	D	Switching	
029.	The topology with the highest reliability is			D
	A Bus	В	Star	
	C Ring	D	Mesh	
030.	The error checking will be done in	_		В
	A HUB	В	Switch	
	C Repeater	D	Bridge	_
031.	In an OSI model architecture which layer tra			D
	A Physical Layer	В	Datalink Layer	
	C Network Layer	D	Transport Layer	
032.	Computers connected to a LAN(Local Area		· ·	D
	A Run faster	В	Go online	
	C E-mail	D	Share information and/or share	
022	The physical layer in DDI Lie called as		peripheral equipment	_
U <b>3</b> 3.	The physical layer in PDU is called as	 В	_ 	С
	A Data C Bits	D D	Packet Frames	
034	A multi point connection is also called as	ט	i iailies	Α
<b>UJ4.</b>	A main point connection is also called as		_	$\boldsymbol{\wedge}$

	A C	Multi Drop Multipath	B D	Multi connection Multichannel	
035.	_	twork point that provides entrance into	_		Α
	Α	Gateway	В	Router	•
	C	Switch	D	Bridge	
036	_	t is the port number for SMTP?		Enago	Α
	Α	25	В	80	•
	C	21	D	65	
<b>037</b>	_	layer is responsible for regulati	_		Α
037.		being overwhelmed with data	ing tin	e now or data to prevent the receiver	
	A	Data Link	В	Network	
	C	Presentation	D	Session	
ഹാ	_		_		Ь
U30.	_	entation layer lies of OSI model betwee	_	<del>-</del>	D
	A	Data Link	В	Network	
000	C	Presentation	D	Application	_
039.	_	network layer protocol of internet is	_		В
	Α	Ethernet	В	Internet protocol	
	С	HTTP	D	FTP	
040.		bset of a network that includes all the r			В
	Α	Tree without loops	В	Spanning Tree	
	С	A graph	D	Acyclic graph	
041.	A sin	ngle channel is shared by multiple signa	als by		C
	Α	Analog modulation	В	Digital modulation	
	С	Multiplexing	D	Switching	
042.	Whic	ch transmission media has the highest	transr	mission speed in a network?	C
	Α	Coaxial Cable		Twisted Pair Cable	
	С	Optical fiber	D	electrical Cable	
043.	The	physical layer translates logic commun	icatio	n requests from the into	Α
		ware specific operations		· —	
	Α	Datalink Layer	В	Network Layer	
		Transport Layer	D	Application Layer	
044.		is a network of networks		Application Edyon	В
<b>0</b> 1 1 1 .	A	Intranet	В	Internet	
	C	Multinet	D	Extranet	
045.	O		_	allows customers, suppliers, and	С
U <del>1</del> J.	vend	·	mare	anows customers, suppliers, and	O
	A	Intranet	В	Internet	
	C				
046	_	Extranet	D tion n	Arpanet	_
U46.		eliver a message to the correct applica	tion p	rogram running on a nost, the _	С
	_	ess must be consulted	_	1440	
	A	IP	В	MAC	
	C	PORT	D	Session	_
047.		sport Layer protocols deals with			С
	Α	Application to application	В	Node to node Communication	
		communication			
	С	Process to process communication	D	End to end communication	
048.	The	ASCII encoding of binary data is called			C
	Α	Base 8 encoding	В	Base 16 encoding	
	С	Base 32 encoding	D	Base 64 encoding	
049.		encoding has a transition at th	e bed	<u> </u>	D
	A	RZ	В	Manchester	-
	C	NRZ	D	Differential Manchester	
050.	_	t does T stand for in 10 BASE T?	_	5. 6	С
	A	Thin Layer	В	Thick Layer	•
		•			

	C Twisted Pair	D	10 meters	
051.	is used to associate a logica	l addres	s with a physical address	C
	A Network Translator	В	ICMP	
	C ARP	D	RARP	
052.	The signal rate is also known as			В
	A Bit Rate	В	Baud Rate	
	C Digital Rate	D	Informative Rate	
053.	In a scheme, all the signal levels	are on c	one side of the time axis, either above	Α
	or below.		, , , , , , , , , , , , , , , , , , ,	
	A Unipolar	В	Biploar	
	C Polar	D	Multi Level	
054.	Not a function of data link protocol			D
•••	A Error Control	В	Message Delineation	_
	C Media Access Control	D	Amplitude shift keying	
055	In which ARQ, when a NAK is received,			Α
000.	acknowledge are transmitted	an mann	oo com cinoc the last hame	, ,
	A Go back N	В	Stop and Wait	
	C Selective Reject	D	Selective Repeat	
056	The device operation at Data Link Layer	_	Ocicotive repeat	С
030.	A Repeater	В	Router	C
	C Bridge	D	Layer III Switch	
057	is normally referred to as	_		. C
037.	an n-bit group.	י טווישוו	coding, it replaces each m-bit group with	
	A Line coding	В	Scrambling	
	C Block coding	D	Bit coding	
<b>058</b>	The shortest frame in HDLC protocol is u	_	•	С
030.	A Information Frame	B	Management Frame	C
	C Supervisory Frame	D	U Frame	
	C Supervisory Frame	ט	U I Iailie	
050	is used to regenerate the signs	1		D
059.			Paneater	В
059.	A HUB	В	Repeater	В
	A HUB C Bridge	B D	Repeater Amplifier	
	A HUB C Bridge In fiber optics,the signal is wave	B D es.	Amplifier	B A
	A HUB C Bridge In fiber optics,the signal is wave A Light	B D es. B	Amplifier  Radio	
060.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared	B D es. B D	Amplifier	Α
060.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categoria	B D es. B D zed as_	Amplifier  Radio  Very low frequency	
060.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categoric A Fixed or unfixed	B D es. B D zed as_ B	Amplifier  Radio Very low frequency  Guided or unguided	Α
060. 061.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate	B D es. B D zed as_ B D	Radio Very low frequency Guided or unguided metallic or nonmettalic	A B
060. 061.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operations	B D es. B D zed as_ B D	Radio Very low frequency Guided or unguided metallic or nonmettalic	A B
060. 061.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operardetecting code?	B D es. B D zed as_ B D tion is p	Amplifier  Radio Very low frequency Guided or unguided metallic or nonmettalic erformed on the bits to check an error-	A B
060. 061.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation	B D es. B zed as_ B D tion is p	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec	A B
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operadetecting code? A Attenuation C Error decoder	B D es. B zed as_ B D tion is p	Amplifier  Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on	B D es. B zed as_ B D tion is p	Amplifier  Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum	A B
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operadetecting code? A Attenuation C Error decoder Which of the following allows devices on another network?	B D es. B Zed as_ B D tion is p D the net	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operatedetecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem	B D es. B D tion is p D the net B	Radio Very low frequency Guided or unguided metallic or nonmettalic erformed on the bits to check an error- Codec Check sum work to communicate with devices on Gateway	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch	B D es. B D tion is p B D the net B	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager	B D es. B D tion is p The net B D the net B D nent me	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer	B D es. B D zed as_ B D tion is p  B D the net B D nent me B	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer	A B D
060. 061. 062. 063.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer	B D es.  B D zed as_ B D tion is p  B D the net B D nent me B D	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by	A B D
060. 061. 062.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operatedetecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer is the advantage of the bus top	B D es. B D zed as_ B D tion is p  B D the net B D nent me B D ology	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer application access control sublayer	A B D
060. 061. 062. 063.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer is the advantage of the bus top A Supports long Communication	B D es.  B D zed as_ B D tion is p  B D the net B D nent me B D ology B	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer application access control sublayer Node failures don't affect others	A B D
060. 061. 062. 063.	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operatedetecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer is the advantage of the bus top	B D es. B D zed as_ B D tion is p  B D the net B D nent me B D ology	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer application access control sublayer Node failures don't affect others Uses fiber only for fast	A B D
<ul><li>060.</li><li>061.</li><li>062.</li><li>063.</li><li>064.</li><li>065.</li></ul>	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation operatedetecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer is the advantage of the bus top A Supports long Communication C Used limited cable for connection	B D es. B D zed as_ B D tion is p B D the net B D nent me B D ology B D	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer application access control sublayer Node failures don't affect others	A B A B
<ul><li>060.</li><li>061.</li><li>062.</li><li>063.</li><li>064.</li><li>065.</li></ul>	A HUB C Bridge In fiber optics,the signal is wave A Light C Infrared Transmission media are usually categori A Fixed or unfixed C Determinate or indeterminate Which of the following summation opera detecting code? A Attenuation C Error decoder Which of the following allows devices on another network? A Modem C T-Switch Automatic repeat request error manager A logical link control sublayer C network interface control sublayer is the advantage of the bus top A Supports long Communication	B D es. B D zed as_ B D tion is p B D the net B D nent me B D ology B D	Radio Very low frequency  Guided or unguided metallic or nonmettalic erformed on the bits to check an error-  Codec Check sum work to communicate with devices on  Gateway Multiplexer echanism is provided by media access control sublayer application access control sublayer Node failures don't affect others Uses fiber only for fast	A B D

007	С	Transport	D	Application	_
067.		is used for unicast communication		lafaa aa d	С
	A	Radio waves	В	Infrared	
000	C	Microwaves	D	Lightwaves	^
068.	_	communication in simplex data flow is			С
	A	Bi-directional	В	Multi-directional	
	C	Uni-directional	D	Both directional	_
069.	_	protocols involve in noiseless channels			Α
	A	Simplest, stop-and-wait	В	Stop-and-wait-ARQ	
	С	Go-back-N-ARQ	D	Selective repeat ARQ	_
070.		are the controlled access protoc		<b>D</b>	В
		ALOHA,CSMA,CSMA/CA,CSMA/CD			
074		FDMA,TDMA,CDMA	D	same as random access protocols	_
0/1.		many phases does the circuit switchin			С
	A	One	В	Two	
	C	Three	D ·	Four	_
0/2.		technique of temporarily delaying outg	_		В
	_	ooked onto the next outgoing data fram			
	A	cyclic redundancy check	В	piggybacking	
	C	fletcher's checksum	D	parity check	_
073.	_	ten gigabit Ethernet speeds upto			В
	A	20Gbps	В	10 Gbps	
	С	30 Gbps	D	40 Gbps	_
074.	_	168.2.255 address represents			С
	A	Multicast	В	Unicast	
	C	Broadcast	D	Singlecast	_
075.	_	t is the full form of HDLC?	_		Α
	A	•		High level Digital Link Control	
		High Level and Data Level Control		<u> </u>	_
076.		RC there is an error if the reminder at the		<del></del>	В
	A	Zero	В	Non Zero	
		The quotient at the sender	D	Equal to the reminder	_
077.		ch frame is supervisory?	_	H.E.	С
	A	I- Frame	В	U-Frame	
070	С	S- Frame	D	Super-Frame	^
078.		v many types of HDLC frames are there	_	Torre	С
	A	One	В	Two	
070	CDC	Three	D	Four	
079.	_	stands for	D		Α
	A	cyclic redundancy check	В	code repeat check	
000	C	code redundancy check	D	cyclic repeat check	
UOU.		ure ALOHA the time is	D	Clabally avachranized	Α
	A C	Continuous	B D	Globally synchronized	
004	_	Discrete	D	Very efficient	D
UO I .	_	t is the standard form of SDLC?	D	Synahranaua Data Link Control	В
	A	Simple Data Link Control	В	Synchronous Data Link Control	
000	C	Syntactical Data Link Control	D	Sample Data Link Control	_
UOZ.		e following, which one is not the design			С
	A	Framing  Provide connection loss services	В	Error Control	
ഫാ	C	Provide connection less service	D that is	Flow control	Λ
υο <b></b> .		e Go back N sliding window protocol, w			Α
	A C	One	В	Two	
004	_	Three	D	Four	<b>D</b>
UO4.	V V I II(	ch of the following is not a guided medi	ullif		D

		Twisted-pair cable	В	Coaxial cable			
085.		Fiber-optic cable is used to interconnect the two differences.		Alls in the same protocol	В		
005.	Α	HUB	В	Bridge			
	C	Amplifier	D	Repeater			
086.		ch address is using for communication		•	D		
	Α	IP address	В	Machine Address			
	С	Standard Address	D	MAC address			
087.	The	actual phone conversation uses		_ switching model	В		
	Α	IP based	В	Connection-oriented			
	С	Connectionless	D	Lightweight			
088.	The	packet switching is categorized into		on of the approach in the below	Α		
	optio	ns					
	Α			Connection establishment			
	С	Only connection disconnection					
089.	The	maximum length of this payload field in	n PPF		D		
	Α	1000	В	1200			
	С	1400	D	1500			
090.	_	t is the length of Flag for PPP	_	_	С		
	A	6	В	7			
004	C	8	D	9			
091.		scheme uses data patterns of			D		
		signal element belonging to a four-leve	_				
	A	4B5B	В	B8ZS			
002	C	4B1Q	D	2B1Q			
092.	_	ch of the following encoding methods d	_	•	Α		
	A C	NRZ-L NRZ-I	B D	RZ Manchester			
U03	_	k coding can help in and	_		Α		
093.	A	Synchronization and error detection			^		
	C			Error detection and distortion			
094	_				В		
· · ·	The maximum window size for data transmission using the selective reject <b>B</b> protocol with n-bit frame sequence numbers is:						
	A	2 <sup>n</sup>		2 <sup>n-1</sup>			
	С	_	D	_			
		2 <sup>n-2</sup>		2 <sup>n</sup> -1	_		
095.		sider a selective repeat sliding window			Α		
		data on a 1.5 Mbps link with a one-wa	-				
		ation of 60%, the minimum number of I	oits re	quired to represent the sequence			
		ber field is	_	0			
	A C	5 7	B D	6 8			
006	•	•	_		С		
090.		ng window protocol works on		in which there is simultaneous two-	C		
		communication Simplex	В	Half duplex			
	A C	Full Duplex	D	No duplex			
007	_	form FCS	D	No duplex	В		
JJ1.	A	Frame Check Sum	В	Frame Check Sequence	ט		
	C	Frame Compute Sum	D	Frame Compute Sequence			
098	_	ng window protocol makes use of frame			В		
<b>300.</b>	A	Advance Frame	В	Acknowledgement Frame	_		
	C	Digital Frame	D	Automatic frame			
	-	<b>J</b>					