

Question No : 1 of 26		Marks: 1 (Budgeted Time 1 Min)
ATM was designed for _____ and use a _____		
Answer (Please select your correct option)		
☐	LANs, Connectionless service paradigm	<u>correct</u> Made By: Waqar Siddhu
☐	WANs, Connectionless service paradigm	
☐	Both LANs and WANs, Connectionless service paradigm	
☐	Both LANs and WANs, Connection-oriented service paradigm	
Question No : 2 of 26		Marks: 1 (Budgeted Time 1 Min)
In Point-to-Point type of topologies there are two topologies _____.		
Answer (Please select your correct option)		
☐	Tree and Ring	<u>correct</u> Made By: Waqar Siddhu
☐	Star and Ring	
☐	Star and Tree	
☐	Bus and Mesh	
Question No : 3 of 26		Marks: 1 (Budgeted Time 1 Min)
In -----, network occupies larger areas like cities & countries.		
Answer (Please select your correct option)		
☐	LAN	<u>correct</u> Made By: Waqar Siddhu
☐	WAN	
☐	MAN	
☐	CAN	

Question No : 4 of 26		Marks: 1 (Budgeted Time 1 Min)
Hardware that calculates a CRC uses two simple components.		
Answer (Please select your correct option)		
☐	AND unit with XOR unit	<u>correct</u>
☐	Shift register with XOR unit	
☐	Shift register with AND unit	
☐	Shift register with shift XOR unit	
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Question No : 5 of 26		Marks: 1 (Budgeted Time 1 Min)
A network that uses a ----- usually consist of a single long cable to which computers attach.		
Answer (Please select your correct option)		
☐	Star Topology	<u>correct</u>
☐	Ring Topology	
☐	Bus Topology	
☐	Tree Topology	
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Question No : 6 of 26		Marks: 1 (Budgeted Time 1 Min)
A ----- provides mechanism that a customer can use to set a physical address.		
Answer (Please select your correct option)		
☐	Static addressing scheme	<u>correct</u>
☐	Configurable addressing scheme	
☐	Dynamic addressing scheme	
☐	Masking	
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Question No : 7 of 26		Marks: 1 (Budgeted Time 1 Min)
Formally named _____ informally known as the thick wire Ethernet or Thick net.		
Answer (Please select your correct option)		
☐	10 Base 2	
☐	10 Base 5	
☐	10 Base T	<u>correct</u>
☐	100 Base T	
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Question No : 8 of 26		Marks: 1 (Budgeted Time 1 Min)
Preamble field in Ethernet frame consist of _____ bits.		
Answer (Please select your correct option)		
☐	8	
☐	32	<u>correct</u>
☐	48	
☐	64	
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Question No : 9 of 26		Marks: 1 (Budgeted Time 1 Min)
A bridge functions in the _____ layer(s).		
Answer (Please select your correct option)		
☐	Physical	<u>correct</u>
☐	Data link	
☐	Network and Data link	
☐	Physical and Data link	
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Question No : 10 of 26		Marks: 1 (Budgeted Time 1 Min)
Generally a Bridge is used to perform _____.		
Answer (Please select your correct option)		
☐	Extend a LAN, Filter and Forward a packet	
☐	Routing	
☐	Filter and Forward a frame	
☐	Filter and Forward a packet	
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Question No : 11 of 26		Marks: 1 (Budgeted Time 1 Min)
_____ technology can support both LAN and WAN connections.		
Answer (Please select your correct option)		
☐	Frame relay	
☐	Ethernet	
☐	SMDS	
☐	ATM	
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Question No : 12 of 26		Marks: 1 (Budgeted Time 1 Min)
One repeater _____, two repeaters _____ the maximum cable length limitation.		
Answer (Please select your correct option)		
☐	Square root, Cube root	
☐	Double, Triple	
☐	Triple, Quad	
☐	Double, Quad	
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Question No : 13 of 26		Marks: 1 (Budgeted Time 1 Min)
_____ is used for compressed audio and video where the data rate is related to level of compression.		
Answer (Please select your correct option)		
☐	Constant Bit Rate (CBR) service	
☐	Variable Bit Rate (VBR) service	<u>correct</u>
☐	Available Bit Rate (ABR) service	
☐	Uniform Bit Rate (UBR) service	
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Question No : 14 of 26		Marks: 1 (Budgeted Time 1 Min)
_____ is used for ordinary data.		
Answer (Please select your correct option)		
☐	Available Bit Rate (ABR) service	<u>correct</u>
☐	Uniform Bit Rate (UBR) service	
☐	Constant Bit Rate (CBR) service	
☐	Variable Bit Rate (VBR) service	
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Question No : 15 of 26		Marks: 1 (Budgeted Time 1 Min)
_____ sends a message to a remote computer and reports whether the computer responds.		
Answer (Please select your correct option)		
☐	Telnet	
☐	Ping	<u>correct</u>
☐	Traceroute	
☐	ICMP	
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Question No : 16 of 26		Marks: 1 (Budgeted Time 1 Min)
A network with throughput T and delay D would have a total no of _____ bits in transit at any time.		
Answer (Please select your correct option)		
☐	T + D	
☐	T x D/Unit Time	
☐	T / D	
☐	T x D	
		correct
		Made By: Waqar Siddhu

Question No : 17 of 26		Marks: 1 (Budgeted Time 1 Min)
A network that permits many sources to take turns accessing a shared communication resource is providing a form of _____.		
Answer (Please select your correct option)		
☐	Phase Division Multiplexing	
☐	Time Division Multiplexing	
☐	Frequency Division Multiplexing	
☐	Wave Division Multiplexing	
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Question No : 18 of 26		Marks: 1 (Budgeted Time 1 Min)
A network which is based on packets uses a computer which may have _____, memory and _____ for switching.		
Answer (Please select your correct option)		
☐	Administration Rights, Algorithm	
☐	Source address, Destination address	
☐	Interface, Program	
☐	Input, Output	
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Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

In direct point to point communication adding the N^{th} computer requires _____ new connections.

Answer (Please select your correct option)

☐ $N(N - 1)$

☐ N^2

☐ $N - 1$

☐ $(N^2 - N)/2$

correct

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Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

Computers attached to an ethernet use _____ in which a computer waits for the Ether to be idle before transmitting a frame.

Answer (Please select your correct option)

☐ CSMA/CD

☐ CSMA/CA

☐ Token Passing

☐ Round Robin

correct

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Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

A local telephone company wants to connect the LANs in all its offices throughout a city. For this case which network category would be used?

Answer (Please [click here](#) to Add Answer)

Normal Arial 12 B I U

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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

As you know ATM network specifies a 24 bits VPI/VCI connection identifier, how many bits VPI and VCI occupies individually?

Answer (Please [click here to Add Answer](#))

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

ATM provides the best support for multiple services. Due to which reasons ATM is not adopted as a single underline technology? Give any three reasons to justify your answer.

Answer (Please [click here to Add Answer](#))

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

Is it necessary to use terminator at both ends of thin Ethernet cable? Give your answer with at least two reasons.

Answer (Please [click here to Add Answer](#))

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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Suppose, as a Network Administrator of XYZ organization you are given a task to develop a network in a limited area with low cost, then which wiring scheme will you use? Justify your answer with four solid reasons.

Answer (Please [click here to Add Answer](#))



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Suppose there are two networks A and B both using virtual private network. If a user of some another network other than the network B wants to send some packets to a device in network A, then what will be the behavior of network A? Give three reasons behind its behavior.

Answer (Please [click here to Add Answer](#))



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