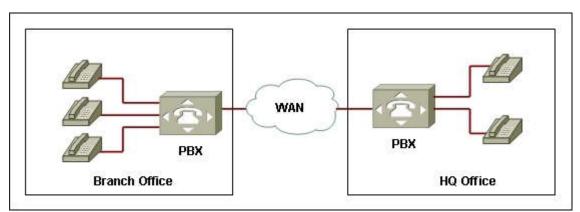
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<u>1</u>	net	nich WAN technology allows telecommunication companies to offer enterprises services such as storworking, secure Layer 2 and Layer 3 VPNs, and disaster recovery on public networks? DSL
	_	ATM
	•	ISDN
•	W/I ₀	metro Ethernet
<u>2</u>	Wn	at three technologies are associated with ISDN PRI? (Choose three.) DLCI
		circuit switching
		packet switching
		data bearer channels
		switched virtual circuits
		time division multiplexing
<u>3</u>	Wh	at can cause a reduction in available bandwidth on a cable broadband connection? smaller cells
	•	number of subscribers
	•	committed information rate
	•	distance from the central office of the provider
4	At	which two layers of the OSI model does a WAN operate? (Choose two.)
		Physical Layer
		Data Link Layer
		Network Layer
		Transport Layer
		Presentation Layer
		Application Layer
<u>5</u>		nich device is used to establish the communications link between the customer equipment and the al loop for digital lines?
	•	terminal adapter
	•	modem
	•	CSU/DSU
	•	PBX switch
	•	ISDN switch
	•	Frame Relay Switch
		nich WAN technology uses a fixed payload of 48 bytes and is transported across both switched and manent virtual circuits?
	•	ATM
	•	ISDN

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- Frame Relay
- metro Ethernet
- 7 Which two devices are commonly used as data communications equipment? (Choose two.)
 - □ modem
 - router
 - CSU/DSU
 - ☐ ISDN switch
 - **□** Ethernet switch
- **8** Which switching type will allow the communication devices in the provider's network to be shared and allocated to an individual subscriber during data transfer?
 - circuit-switched
 - packet-switched
 - frame-switched
 - dedicated-switched lines
 - lease-switched
 - 2 Virtual private networks (VPNs) use what type of connection from the remote site to the private network
 - PVCs
 - DLCIs
 - tunnels
 - virtual circuits
 - dedicated Layer 2 links





Refer to the exhibit. The users in the branch office initiated three simultaneous calls to the HQ office. Vechnology is used to ensure that a fixed-capacity connection is made available to each of the calls?

- time-division multiplexing (TDM)
- signaling
- X.25

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	 ISDN BRI U.S. company requires a WAN connection used only to transfer sales data from individual stores to home office. All transfers will occur after business hours. The required bandwidth for this connection estimated to be less than 38 kbps. Which type of connection requires the least investment for this composition. ATM ISDN
	analog dialup
	• T1 Leased Line
<u>12</u>	Which three WAN devices can be found in the cloud? (Choose three.) ☐ Ethernet switches ☐ Frame Relay switches
	☐ ATM switches
	□ bridges
	□ core routers
	repeaters 13Which term describes a device that will put data on the local loop? DLCI
	• CO
	• DCE
	• DTE
	• PRI
	• BRI
<u>14</u>	Which packet-switched WAN technology offers high-bandwidth connectivity capable of managing data and video all on the same infrastructure? Time Division Multiplexing (TDM) metro Ethernet
	 Integrated Services Digital Network (ISDN)
	 Public Switched Telephone Network (PSTN)
<u>15</u>	What are two advantages of an analog PSTN WAN connection? (Choose two.) low cost
	availability
	☐ traffic encryption
	available bandwidth
	support for voice and video
	<u>16</u> Which three features are identified with Frame Relay connections? (Choose three.)

		ena-4.blogspot.com 60.yahoo.com/quocvuong it		
1100				
		CIR		
		DLCI		
		DSLAM		
		PVC		
		SPID		
		53-byte cells		
<u>17</u>		nich networking device is typically used to concentrate the dial-in and dial-out traffic of multiple used from a network?		
	•	core router		
	•	access server		
	•	Frame Relay switch		
	•	ATM switch		
·		nat are three advantages of permanent dedicated circuits over shared lines such as Frame-Relay? (Ch		
		ee.)		
		dedicated bandwidth capacity		
		eliminates latency and jitter between endpoints		
		low cost of implementation		
		connections can be multiplexed over the same leased line		
		each endpoint has a dedicated physical router interface		
		eliminates point-to-point connections		
<u>19</u>	A company needs a WAN connection that is capable of transferring voice, video, and data at a minimum rate of 155 Mbps. Which WAN connection is the best choice?			
		X.25		
		DSL		
		ATM		
	•]	ISDN BRI		
	•]	ISDN PRI		