**17. What are two characteristics of a PPPoE configuration on a Cisco customer router? (Choose two.)**

The customer router CHAP username and password are independent of what is configured on the ISP router.  
**The PPP configuration is on the dialer interface.\***  
An MTU size of 1492 bytes is configured on the Ethernet interface.  
**The Ethernet interface does not have an IP address.\***  
The dialer pool command is applied to the Ethernet interface to link it to the dialer interface.

**14. Which cable network communication technology is secure, extremely resistant to noise, and employs spread-spectrum technology?**

CDMA  
**S-CDMA\***  
FDMA  
TDMA

**7. Fill in the blank. Use only an acronym.**

**“PPPoE”** creates a PPP tunnel through the DSL connection for the purpose of sending PPP frames.

**24. Which type of long distance telecommunication technology provides point-to-point connections and cellular access?**

**WiMax\***  
satellite  
mobile broadband  
municipal Wi-Fi

**26**  
**A company is looking for the least expensive broadband solution that provides at least 10 Mb/s download speed. The company is located 5 miles from the nearest provider. Which broadband solution would be appropriate?**

satellite  
DSL  
WiMax  
**cable\* (WHAT?!)**

**15. How is voice traffic affected when the customer uses ADSL technology?**

No special equipment is needed to separate voice and data signals.  
Voice traffic is interrupted if the ADSL service fails.  
Voice signals are on a separate wire pair from ADSL signals.  
**ADSL signals can distortvoice transmissions.\***

DOCSIS specifies the  “**MAC”** sub-layer as a Layer 2 requirement that defines either a deterministic access method, TDMA, or S-CDMA.