- C. Checksum
- D. Echoplex

**Correct Answer: D** 

### **QUESTION 821**

Organizations should consider which of the following first before connecting their LANs to the Internet?

- A. plan for implementing W/S locking mechanisms
- B. plan for protecting the modem pool
- C. plan for providing the user with his account usage information
- D. plan for considering all authentication options

**Correct Answer: D** 

## **QUESTION 822**

Which xDSL flavour delivers both downstream and upstream speeds of 1.544 Mbps over two copper twisted pairs?

- A. HDSL
- B. SDSL
- C. ADSL
- D. VDSL

**Correct Answer: A** 

# **QUESTION 823**

Which of the following statements pertaining to Asynchronous Transfer Mode (ATM) is false?

- A. It can be used for voice.
- B. It can be used for data.
- C. It carries various sizes of packets.
- D. It can be used for video.

**Correct Answer: C** 

## **QUESTION 824**

Satellite communications are easily intercepted because

- A. transmissions are continuous 24 hours per day
- B. a satellite footprint is narrowly focused
- C. a satellite footprint is very large
- D. a satellite footprint does not change

**Correct Answer: C** 

### **QUESTION 825**

Which one of the following protocols CANNOT be used for full duplex Wide Area Network (WAN) communications?

- A. Synchronous Data Link Control (SDLC)
- B. Serial Line Internet Protocol (SLIP)
- C. Point-to-Point Protocol (PPP)
- D. High-Level Data Link Control (HDLC)

**Correct Answer: B** 

### **QUESTION 826**

Fast ethernet operates at which of the following?

- A. 10 Mbps
- B. 100 Mbps
- C. 1000 Mbps
- D. All of the above

**Correct Answer: B** 

## **QUESTION 827**

Which of the following statements about the "Intranet" is NOT true?

- A. It is an add-on to a local area network.
- B. It is unrestricted and publicly available.
- C. It is usually restricted to a community of users.
- D. It can work with MANS or WANS.

**Correct Answer: B** 

### **QUESTION 828**

Frame relay and X.25 networks are part of which of the following?

- A. Circuit-switched services
- B. Cell-switched services
- C. Packet-switched services
- D. Dedicated digital services

**Correct Answer: C** 

## **QUESTION 829**

A Wide Area Network (WAN) may be privately operated for a specific user community, may support multiple communication protocols, or may provide network connectivity and services via:

- A. interconnected network segments (extranets, intranets, and Virtual Private Networks)
- B. interconnected network segments (extranets, internets, and Virtual Private Networks)
- C. interconnected NetBIOS segments (extranets, intranets, and Virtual Private Networks)
- D. interconnected NetBIOS segments (extranets, interest, and Virtual Private Networks)

**Correct Answer: A** 

### **QUESTION 830**

What is the proper term to refer to a single unit of Ethernet data?

- A. Ethernet segment
- B. Ethernet datagram
- C. Ethernet frame
- D. Ethernet packet

**Correct Answer: C** 

## **QUESTION 831**

Which of the following is a LAN transmission protocol?

- A. Ethernet
- B. Ring Topology
- C. Unicast
- D. Polling

**Correct Answer: C** 

### **QUESTION 832**

Which of the following access methods is used by Ethernet?

- A. CSMA/CD
- B. CSU/DSU
- C. TCP/IP
- D. FIFO

**Correct Answer: A** 

## **QUESTION 833**

Which one of the following data transmission technologies is NOT packet-switch based?

- A. X.25
- B. ATM (Asynchronous Transfer Mode)
- C. CSMA/CD (Carrier Sense Multiple Access/Collision Detection)
- D. Frame Relay

**Correct Answer: B** 

## **QUESTION 834**

Unshielded (UTP) does not require the fixed spacing between connections that is:

- A. necessary with telephone-type connections
- B. necessary with coaxial-type connections
- C. necessary with twisted pair-type connections
- D. necessary with fiber optic-type connections

**Correct Answer: B** 

## **QUESTION 835**

What type of cable is used with 100Base-TX Fast Ethernet?

- A. Fiber-optic cable.
- B. Four pairs of Category 3, 4, or 5 unshielded twisted-pair (UTP) wires.
- C. Two pairs of Category 5 unshielded twisted-pair (UTP) or Category 1 shielded twisted-pair (STP) wires.
- D. RG-58 Cable.

**Correct Answer: C** 

## **QUESTION 836**

Which cable technology refers to the CAT 3 and Cat5 Categories?

- A. Coaxial cables
- B. Fiber Optic cables
- C. Axial cables
- D. Twisted Pair cables

**Correct Answer: D** 

## **QUESTION 837**

On which Open System Interconnection (OSI) Reference Model layer are repeaters used as communications transfer devices?

- A. Data-link
- B. Physical
- C. Network
- D. Transport

**Correct Answer: B** 

## **QUESTION 838**

In the OSI/ISO model, at what layer are some of the SLIP, CSLIP, PPP, control functions are provided?

- A. Data Link
- B. Transport
- C. Presentation
- D. Application

**Correct Answer: A** 

#### **QUESTION 839**

In the OSI/ISO model, at what level are TCP and UDP provided?

- A. Transport
- B. Network
- C. Presentation
- D. Application

**Correct Answer: A**