

Choose the letter of the correct answer.

1. What is the maximum cable length for STP?

- A. 100 ft
- B. B. 150 ft
- C. C. 100 m
- D. D. 1000 m

2. Which connector does UTP use?

- A. STP
- B. BNC
- C. RJ-45
- D. RJ-69

3. What is an advantage that coaxial cable has over STP or UTP?

- A. It is capable of achieving 10-100 Mbps.
- B. It is inexpensive.
- C. It can run longer distance unboosted.
- D. None of the above.

4. A \_\_\_\_\_ fiber optic cable allows multiple streams of LED-generated light.

- A. Multitmode
- B. Multichannel
- C. Multiphase
- D. None of the above

5. Wireless uses which of the following to transmit data between devices on a LAN?

- A. Radio frequencies
- B. LED-generated light
- C. Fiber optics
- D. None of the above

6. What is one advantage of using fiber-optic cable in networks?

- A. It is inexpensive.
- B. It is easy to install.
- C. It is an industry standard and is available at any electronics store.
- D. It is capable of higher data rates than either coaxial or twisted-pair cable.

7. Which of the following is a 802.3u specifications?
- A. 10BASE-F
  - B. 10BASE-T
  - C. 100BASE-TX
  - D. 1000BASE-CX
8. Which standard body created the cables and connector specification used to support Ethernet implementation?
- A. ISO
  - B. ANSI
  - C. EIA/TIA
  - D. IETF
9. Which of the following statement does not correctly describe a media connector?
- A. RJ-45 connectors and jacks are slightly smaller than RJ-11 connectors and jacks.
  - B. AUI is a 15-pin connector used between a NIC and an Ethernet cable.
  - C. GBIC is a transceiver that converts serial electric currents to optical signals and vice versa.
  - D. None of the above
10. For which of the following would you not need to provide a crossover cable?
- A. Connecting uplinks between switches
  - B. Connecting routers to switches
  - C. Connecting hubs to hubs \*\*
  - D. Connecting hubs to switches
11. What type of data transmission method is used by WAN?
- A. Parallel
  - B. Serial \*\*
  - C. Single
  - D. None of above
12. What best describes data circuit-terminating equipment (DCE)?
- A. User device at the end of a network.
  - B. Serves as data source and/or destination.
  - C. Physical devices such as protocol translators and multiplexers.
  - D. Devices that make up the network end of the user to network interface.

13. Which of the following media is used to interconnect the ISDN BRI port to the service-provider device?

- A. Category 5 UTP straight-through
- B. Category 5 UTP crossover
- C. Coaxial
- D. Fiber Optic

14. What type of the connector is used for DSL connection?

- A. RJ-45
- B. RJ-11
- C. BNC
- D. DB-9

15. What type of the connector is used to connect a router and cable system?

- A. RJ-45
- B. RJ-11
- C. BNC
- D. AUI

16. What types of cable is used to connect a terminal and a console port?

- A. Straight-through
- B. Rollover
- C. Crossover
- D. Coaxial

17. **Error Control and Flow Control are the responsibilities of**

- A. data link and network Layers
- B. data link and Physical Layer
- C. Application and Presentation Layer
- D. data link and Transport Layer

18. Error control is a combination of:

- A. Error control and error detection
- B. Flow and error control
- C. Bit stuffing and unstuffing
- D. Byte stuffing and unstuffing

19. The term that refers to a set of procedures used to restrict the amount of data that the sender can send before waiting for the acknowledgement is:

- A. Error control
- B. Flow control
- C. Byte stuffing
- D. Delay

20. The sender sends the packet and waits for the ACK (acknowledgement) of the packet.

- A. ARQ
- B. Selective repeat
- C. Stop and Wait
- D. Go back N