

Domain 2 Network Media and Topologies - 20 questions, 21-40
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Domain 2 Network Media and Topologies makes up approximately 20 percent of the certification questions. Below questions 21-40 are designed to simulate that portion of the actual CompTIA Network+ certification test. This test should not take more than 30 minutes.

21. Which topology is most similar to a complete closed circle?

- A. Star
- B. Bus
- C. Mesh
- D. FDDI

22. What is the network bandwidth 10GBaseLR, according to the standard developed by the IEEE?

- A. 10,000,000,000 bps
- B. 10,000,000,000 Bps
- C. 1,000,000,000 bps
- D. 100 k Bps

23. Which would be a typical core diameter for single mode fiber in microns?

- A. 8
- B. 50
- C. 65
- D. 100

24. Which cable specification type utilizes a copper core cable?

- A. 10Gbase LR
- B. 10Gbase SR
- C. 10Gbase CX
- D. 1000BaseT

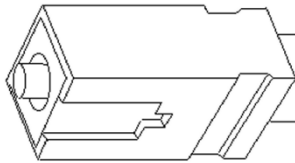
25. Which causes the most signal loss over a long length of fiber optic cable?

- A. resistance
- B. EMI
- C. dispersion
- D. Hertz

26. Which network media access method is described in the IEEE 802.3 for Ethernet?

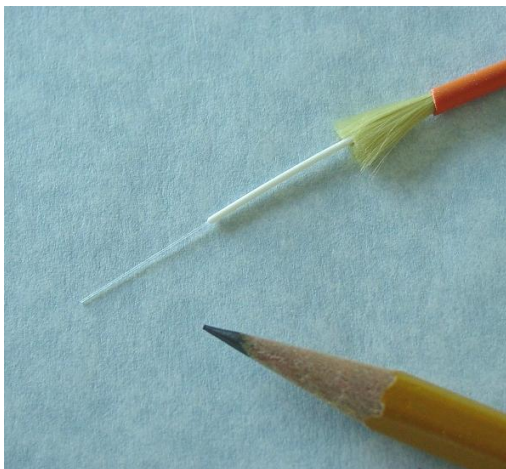
- A. CSMA/CD
- B. CSMA/CA
- C. Wi-Fi
- D. Bluetooth

27. What type of connector is in the exhibit?



- A. ST
- B. SC
- C. BNC
- D. F-type

28. What type of cable is in the exhibit?



- A. Cat5e
- B. Fiber optic
- C. Cat6
- D. RG-6

29. Which tool is used to make connections on a 110 block?

- A. BNC crimping tool
- B. Punch down tool
- C. Solder iron
- D. RJ-45 crimping tool

30. Which connector is commonly used for Cat5e connections?

- A. RJ-45
- B. BNC
- C. LC
- D. F-type

31. Which type of cable has a glass or plastic core?

- A. STP
- B. RG-59
- C. UTP
- D. Fiber optic.

32. Copper cable is measured and sized by which means.

- A. Resistance per foot expressed in ohms.
- B. Resistance per 100 meters expressed in decibels.
- C. Core diameter expressed in microns.
- D. Core diameter expressed in AWG size.

33. What does the term half duplex mean in reference to network cable or device?

- A. The cable/device can support only one of two different protocols.
- B. The cable or device can transmit between the source and destination simultaneously.
- C. There are two individual conductors surrounded by one common cable sheath.
- D. The cable or device can only support transmissions in one direction during any single moment but not both.

34. Electronic device power losses are expressed by which unit of measure?

- A. Decibels.
- B. Ohms
- C. Volts
- D. Resistance

35. What is the maximum data rate for the Cat5e network standard utilizing all four pairs of conductors?

- A. 10 Mbps
- B. 100 Mbps
- C. 1000 Mbps
- D. 10000 Mbps

36. What is the expected data rate for T-1 carrier?

- A. 10 Gbps
- B. 1.54 Mbps
- C. 54 kbps
- D. 1 Gbps to 2 Gbps

37. Which topology would you select to provide redundancy and insure continuous network service from multiple servers?

- A. Star
- B. Bus
- C. Ring
- D. Mesh

38. Which feature automatically detects transmit and receive pair of a cable and eliminates the need for a crossover cable Auto-MDIX eliminates the need for which type of cable?

- A. Half duplex synchronization
- B. MIMO
- C. NEXT
- D. Auto-MDIX

39. Which is the European equivalency of a T1 cable system?

- A. E1
- B. R1
- C. B1
- D. DSL

40. Which is true concerning BRI-ISDN?

- A. BRI-ISDN consists of one B channels and one D channel with a total bandwidth of 56 kbps.
- B. BRI-ISDN consists of two B channels and two D channel with a total bandwidth of 56 kbps.

- C. BRI-ISDN consists of two B channels and one D channel with a total bandwidth of 128 kbps.
D. BRI-ISDN consists of three B channels and one D channel with a total bandwidth of 128 kbps.

Answers

21. Which topology is most similar to a complete closed circle? **D. FDDI**
22. What is the network bandwidth 10GBaseLR according to the standard developed by the IEEE? **A. 10,000,000,000 bps**
23. Which would be a typical core diameter for single mode fiber in microns? **A. 8**
25. Which causes the most signal loss over a long length of fiber optic cable? **B. EMI**
27. What type of connector is in the exhibit? **B. SC**
28. What type of cable is in the exhibit? **B. Fiber optic**
29. Which tool is used to make connections on a 110 block? **B. Punch down tool**
30. Which connector is commonly used for cat5e connections? **A. RJ-45**
31. Which type of cable has a glass or plastic core? **D. Fiber optic**
32. Copper cable is measured and sized by which means? **D. Core diameter expressed in AWG size**
33. What does the term half duplex mean in reference to network cable or device? **D. The cable or device can only support transmissions in one direction during any single moment but not both.**
34. Electronic device power losses are expressed by which unit of measure? **A. Decibels**
35. What is the maximum data rate for the Cat5e network standard utilizing all four pairs of conductors? **C. 1000 Mbps**
37. Which topology would you select to provide redundancy and insure continuous network service from multiple servers? **D. Mesh**
38. Which feature automatically detects transmit and receive pair of a cable and eliminates the need for a crossover cable Auto-MDIX eliminates the need for which type of cable? **D. Auto-MDIX**
39. Which is the European equivalency of a T1 cable system? **A. E1**
40. Which is true concerning BRI-ISDN? **C. BRI-ISDN consists of two B channels and one D channel with a total bandwidth of 128 kbps.**

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