Test Bank for Network Guide to Networks 8th West

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Name:_____ Class:_____ Date:_____

Chapter 2 - Network Infrastructure and Documentation

1. Each type of cable has a prescribed bend radius, which is the radius of the maximum arc into which you can loop a cable without impairing data transmission.

a. True

b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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2. The TIA/EIA standard for wall jacks in a work area require that at least one outlet be provided for data and one for voice.

a. True

b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: True / False
HAS VARIABLES: False
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3. Cable that is coated with flame-resistant polyvinyl chloride (PVC) is acceptable for use in plenum areas.

a. True

b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: True / False
HAS VARIABLES: False
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4. The industry standard height for a rack in rack units is 42U.
   a. True
   b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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5. A 66 block is more suitable for data connections than the older 110 block.
   a. True
   b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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6. Fiber-optic cable comes in two types: single-mode fiber (SMF) or multimode fiber (MMF).
   a. True
   b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: True / False
HAS VARIABLES: False
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7. In a rack setup, a device called a KVM allows multiple consoles to connect to a single device on the rack.

a. True

b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: True / False
HAS VARIABLES: False
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8. F5 Networks set the standard for the diagram symbols used to represent routers, switches, firewalls, and other devices.

a. True

b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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9. A master service agreement (MSA) is a contract that defines the terms of future contracts between parties, such as payment terms or arbitration arrangements.

a. True

b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network

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10. The process of designing, implementing, and maintaining an entire network is called the system life cycle.
    a. True
    b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: True / False
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LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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11. When planning horizontal cabling, what is the maximum allowable distance that can be used?
    a. 100 feet
    b. 300 meters
    c. 1,000 feet
    d. 100 meters

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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12. In general, how much can a twisted-pair's cable be bent before data transmission may be impeded?
    a. No more than two times the diameter of the cable.
    b. No more than four times the diameter of the cable.
    c. No more than ten times the diameter of the cable.
    d. Twisted pair cable has a near infinite bend radius.

ANSWER: b
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling

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QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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13. What statement accurately describes what a cable bend radius determines?
    a. A cable bend radius is the radius of the maximum arc into which you can loop the cable without impairing data.
    b. A cable bend radius is the radius of the minimum arc into which you can loop the cable without impairing data.
    c. A cable bend radius determines the total number of bends that can exist in an overall cable before data is impaired.
    d. A cable bend radius defines the twist rate of the cable inside of the insulation.

ANSWER: a
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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14. In order to ensure that a cable is not affected by electromagnetic interference, how far away should the cable be from fluorescent lighting?
    a. at least 3 inches
    b. at least 3 feet
    c. at least 6 feet
    d. at least 12 feet

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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15. What is NOT a TIA/EIA recognized cabling type that can be used for horizontal cabling?
    a. RG-6 Coaxial
    b. unshielded twisted pair (UTP)
    c. shielded twisted pair (STP)
    d. fiber-optic

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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16. What component of the backbone runs between a building's floors and can be used to connect an MDF and IDF or multiple IDFs?
    a. horizontal cross connect
    b. patch cable
    c. vertical cross connect
    d. diagonal cabling

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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17. Where is a demarc located in relation to the structured cabling of an enterprise environment?
    a. in the Main Distribution Frame (MDF)
    b. at the Intermediate Distribution Frame (IDF)
    c. in the work area
    d. between the MDF and the IDF

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling

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QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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18. What component of enterprise level structured cabling serves as the location where an incoming network interface enters a building and connects with the building's backbone cabling?

a. network interface device
b. main distribution frame
c. intermediate distribution frame
d. entrance facility

ANSWER: d
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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19. During termination of twisted pair cabling, what should be done to ensure minimal cross talk is introduced?

a. No more than 1 inch of the cable should be exposed.
b. No less than 1 inch of the cable should be exposed.
c. Each pair should be stripped of insulation so that it doesn't get caught in the jack.
d. Each pair should be twisted around another pair to reduce cross talk.

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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20. What statement correctly identifies the purpose of a software patch?

a. A software patch is a correction, improvement, or enhancement to software.

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b. A software patch is a major change to a software package that enhances the functionality and features of the software, while also correcting bugs and vulnerabilities.

c. A software patch involves the process of reverting to a previous version of software after attempting to upgrade it.

d. A software patch is a container for new software, and must be installed on relevant devices and incorporated with network resources.

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Change Management
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.4 - Track the progress of changes made to a network
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21. What type of diagram is a graphical representation of a network's wired infrastructure?

a. network diagram

b. wiring schematic

c. topology map

d. system diagram

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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22. Which of the following is a document that is sent as a request to vendors to submit a proposal for a product or service that your company wants to purchase?

a. memorandum of understanding

b. statement of work

c. request for quote

d. request for proposal

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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23. What is the name of the GUI front end that is available for the Nmap utility?
    a. GUINmap
    b. Zenmap
    c. iMap
    d. VizMap

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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24. What kind of document serves as a legally binding contract or part of a contract that defines, in plain language and in measurable terms, the aspects of a service provided to a customer?
    a. statement of work
    b. memorandum of understanding
    c. service-level agreement
    d. master service agreement

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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25. In a voice over IP setup (VoIP), what kind of device converts signals from a campus's analog phone equipment into IP data that can travel over a phone company's analog telephone lines?
    a. VoIP PBX
    b. VoIP MTA

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c. VoIP gateway
d. VoIP translator

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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26. A change coordinator functions as what type of manager?
a. project manager
b. inventory manager
c. human resources manager
d. time manager

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Change Management
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.4 - Track the progress of changes made to a network
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27. What does a statement of work document do?
a. It documents in detail the work that must be completed for a particular object, and includes specifics such as tasks, deliverables, standards, payment schedule, and work timeline.
b. It documents the intentions of two or more parties to enter into a binding agreement, or contract, and is sometimes used between an informal handshake and the legally binding signatures on contracts.
c. It is a legally binding contract or part of a contract that defines, in plain language and in measurable terms, the aspects of a service provided to a customer, such as the service provided by an ISP.
d. It is a contract that defines the terms of future contracts between parties, such as payment terms or arbitration arrangements.

ANSWER: a
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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28. Your company is setting itself up to distribute software made by another company. What type of document should your company procure from the developing company?

a. master service agreement
b. master license agreement
c. service-level agreement
d. memorandum of understanding

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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29. When creating network diagrams, what icon description typically represents a network switch?

a. An icon that has a hockey-puck shape with two arrows pointing inward and two arrows pointing outward.
b. An icon that resembles a brick wall.
c. An icon that is rectangular in shape, with squiggly lines on the front.
d. An icon that is rectangular, which contains four arrows pointing in opposite directions.

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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30. When creating network diagrams, what icon description typically represents a network firewall?

a. An icon that has a hockey-puck shape with two arrows pointing inward and two arrows pointing outward.

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b. An icon that resembles a brick wall.
c. An icon that is rectangular in shape, with squiggly lines on the front.
d. An icon that is rectangular, which contains four arrows pointing in opposite directions.

ANSWER: b
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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31. When creating network diagrams, what icon description typically represents a network router?
a. An icon that has a hockey-puck shape with two arrows pointing inward and two arrows pointing outward.
b. An icon that resembles a brick wall.
c. An icon that is rectangular in shape, with squiggly lines on the front.
d. An icon that is rectangular, which contains four arrows pointing in opposite directions.

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Network Documentation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.2 - Create and analyze network diagrams
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32. Why should you not leave more than 1 inch of exposed cable before a twisted-pair termination?
a. Exposing more cable than necessary can cause corrosion of the copper wire.
b. The exposure of the cable can cause transmission interference between wires.
c. The cable will lose its conductive properties.
d. The termination will fail over time due to oxidation.

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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areas
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33. What does backbone cabling consist of?
    a. Short length cables with connectors at both ends.
    b. It is cabling that connects workstations to the closest data room and to switches housed in the room.
    c. The cables or wireless links that provide interconnection between the entrance facility and MDF, and between the MDF and IDFs.
    d. The shielded cables that are used for high data transmission rates between an organization and an ISP.

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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34. Which of the following is NOT a best practice when performing cable management?
    a. A cable tester should be used to verify that each segment of cable is transmitting reliably.
    b. Cable should not be placed across a floor where they might be damaged by traffic.
    c. Cable ties should be pulled tightly to keep cables from moving around in a bundle.
    d. Grounding requirements should be followed when running cables.

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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35. What type of documentation tool is a website that can be edited by users, allowing them to add files and photos and links between pages?
    a. wiki
    b. spreadsheet

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c. workgroup
d. co-op

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
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HAS VARIABLES: False
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36. What statement regarding main distribution frame or main distribution facilities is accurate?
a. The MDF and entrance facility are always in separate rooms.
b. The MDF refers to the racks holding network equipment in an organization.
c. The MDF provides intermediate connection between the IDF and end-user equipment on each floor.
d. The MDF is the centralized point of interconnection for an organization's LAN or WAN.

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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37. Equipment data racks most commonly are a standard width of what measurement?
a. 19 inches
b. 20 inches
c. 25 inches
d. 30 inches

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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HAS VARIABLES: False
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38. What standard describes uniform, enterprise-wide cabling systems, regardless of who manufactures or sells the various parts used in the system?

a. IEEE 802.3
b. TIA/EIA-568
c. ITU 922
d. ISO 9001

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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39. A dedicated telephone switch or virtual switching device that connects and manages calls within a private organization, and manages call connections that exit the network through a VoIP gateway, is known by what term?

a. VoIP router
b. VoIP PBX (private branch exchange)
c. VoIP LEC (local exchange carrier)
d. VoIP ATB (analog telephone branch)

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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HAS VARIABLES: False
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40. What type of tool would you utilize to terminate twisted pair wire on a 66 or 110 block?

a. wire crimper tool
b. block trimmer tool
c. wire cinching tool
d. punchdown tool

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ANSWER: d
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Components of Structured Cabling
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41. What are the three different types of cabling recognized by TIA/EIA as acceptable for horizontal wiring?
ANSWER: TIA/EIA recognizes three possible cabling types for horizontal wiring: UTP, STP, or fiber optic cable. UTP (unshielded twisted pair) cable is a type of copper-based cable that consists of one or more insulated twisted-wire pairs encased in a plastic sheath. STP (shielded twisted pair) cable is a type of copper-based cable containing twisted-wire pairs that are not only individually insulated, but also surrounded by a shielding made of a metallic substance such as foil. Fiber-optic cable is a form of cable that contains one or several glass or plastic fibers in its core and comes in two types: single-mode fiber (SMF) or multimode fiber (MMF). Copper-based cable transmits data via electric signals, and fiber-optic cable transmits data via pulsing light sent from a laser or light-emitting diode (LED).
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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42. What steps should be taken to manage documentation at a cabling plant?
ANSWER: Follow these guidelines to manage documentation at your cabling plant:
*Keep your cable plant documentation in a centrally accessible location. Make sure it includes locations, installation dates, lengths, and grades of installed cable.
*Label every data jack or port, patch panel or punch-down block, and connector or circuit.
*Use color-coded cables for different purposes and record the color schemes in your documentation. Cables can be purchased in a variety of sheath colors. For example, you might want to use pink for patch cables, green for horizontal wiring, purple for DMZ lines, and gray for vertical (backbone) wiring.
*Be certain to update your documentation as you make changes to the network. The more you document, the easier it will be to move or add cable segments in the future.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling

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Chapter 2 - Network Infrastructure and Documentation

QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.4 - Track the progress of changes made to a network
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43. How should a company deal with the documentation of passwords?

ANSWER: Password documentation must be kept secure, but also must be available for access by multiple people. Otherwise, if the network admin is suddenly incapacitated, you might be unable to retrieve high-security passwords. A password manager, such as KeePass or LastPass, should be utilized to secure passwords.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Network Documentation
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network
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44. What is plenum, and what must you do to be able to run cable through plenum space?

ANSWER: Plenum is the area above the ceiling tile or below the subflooring. If you run cable in this space, the cable sheath must be plenum-rated. You should also consult with local electric installation codes to be certain you are installing it correctly.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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45. In considering a telecommunications service provider's network, what is the demarc, and where is it located?

ANSWER: In general, the device that marks where a telecommunications service provider's network ends and the organization's network begins is the demarc, or demarcation point. For example, an ISP (Internet service provider) might be responsible for fiber-optic cabling to your building to connect to your LAN. The device where the WAN ends and the LAN begins is

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	the demarc. The service provider is responsible for its network beyond the demarc, and, in most cases, the organization is responsible for devices and services on the campus side of the demarc.
POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Components of Structured Cabling
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
STUDENT ENTRY MODE:	Basic
LEARNING OBJECTIVES:	2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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46. What are some of the different types of software changes?

ANSWER:	Some of the software changes that you might be called upon to implement include: * patch-A software patch is a correction, improvement, or enhancement to software. It corrects a bug, closes a vulnerability, or adds minor enhancements to only part of the software, leaving most of the code untouched. * upgrade-A software upgrade is a major change to a software package that enhances the functionality and features of the software, while also correcting bugs and vulnerabilities. * rollback-A software rollback is the process of reverting to a previous version of software after attempting to patch or upgrade it. * installation-New software, such as CRM (customer relationship management) software for sales reps or a financial software package for accountants, must be installed on the relevant devices and incorporated with network resources.
POINTS:	1
DIFFICULTY:	Difficult
REFERENCES:	Change Management
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
STUDENT ENTRY MODE:	Basic
LEARNING OBJECTIVES:	2.4 - Track the progress of changes made to a network
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47. What is electromagnetic interference, and how do you avoid its effects?

ANSWER:	Electromagnetic interference is interference that is caused by motors, power lines, televisions, copiers, fluorescent lights, or other sources of electrical activity. In order to reduce the possibility of noise that can affect your network's signals, you should install cable at least 3 feet away from any EMI sources.
POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Components of Structured Cabling
QUESTION TYPE:	Subjective Short Answer

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Chapter 2 - Network Infrastructure and Documentation

HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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48. When deploying a VoIP solution in a network, what are some of the different types of equipment and devices you may encounter?
ANSWER: A VoIP network might contain devices such as VoIP gateways, which convert signals from analog phone equipment into IP data that can travel over the Internet, or vice versa. You might also encounter VoIP PBX equipment, which serves as a dedicated telephone switch or virtual switching device that connects and manages calls within a private organization, and manages call connections that exit the network through a VoIP gateway. Internally, this equipment connects to VoIP endpoints, which might be telephones sitting at each user's location or applications hosted on a user's computer or other device.
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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49. What is the purpose of a main distribution frame or main distribution facility?
ANSWER: Also known as the MC (main cross connect), the MDF is the centralized point of interconnection for an organization's LAN or WAN. In practice, the term MDF can refer either to the racks holding the network equipment or the room that houses both the racks and the equipment. The MDF and the entrance facility might be in the same data room, or they could be in separate rooms, depending on the layout of the building. Connections branching out from the MDF include Ethernet cables connecting to nearby work areas, large cables to running to IDFs in other buildings or on other floors of the same building, and the incoming connection from the service provider's facility.
POINTS: 1
DIFFICULTY: Difficult
REFERENCES: Components of Structured Cabling
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: 2.1 - Identify and describe network and cabling equipment in commercial buildings and work areas
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50. How is a memorandum of understanding document utilized?

ANSWER: An MOU (memorandum of understanding) documents the intentions of two or more parties to enter into a binding agreement, or contract, and is sometimes used between an informal handshake and the legally binding signatures on contracts. The MOU can be helpful in pushing along contract negotiations and in defining specific concerns of each party, but it is usually not a legally binding document, does not grant extensive rights to either party, provides no legal recourse, and is not intended to provide thorough coverage of the agreement to come.

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Network Documentation

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: 2.3 - Explain operating procedures, inventory management, labeling conventions, and business documents for a typical network

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