What physical network topology consists of all connected devices connecting to one central device, such as a switch?

Select one:

○ a. ring topology

◉ b. star topology

○ c. hub topology

○ d. bus topology

Question 2

Complete

Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Static electricity is an electrical charge in motion.

Select one:

◉ True

○ False

Question 3

Complete

Mark 5.00 out of 5.00

Flag question

Question text

At what layer of the OSI model do the IP, ICMP, and ARP protocols operate?
Select one:
- ○ a. Application
- ● b. Network
- ○ c. Session
- ○ d. Transport

Question 4
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Select the layer of the OSI model that is responsible for reformatting, compressing, and/or encrypting data in a way that the application on the receiving end can read:

Select one:

- a. Application
- b. Session
- c. Transport
- ● d. Presentation

Question 5
Complete
Mark 0.00 out of 5.00

Flag question

Question text

An open electrical circuit as a result of a failed circuit breaker is considered to be what type of failure system?
Select one:

a. fail-open

b. fail-close

c. fail-dynamic

d. fail-tolerant

Question 6
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The segment or datagram protocol data unit exists at what layer of the OSI model?

Select one:

○ a. Data link layer

◉ b. Transport layer

○ c. Network layer

○ d. Application layer

Question 7
Complete
Mark 2.50 out of 5.00

Flag question

Question text

Which two protocols can be used to gain remote access specifically to a server's command line interface, securely and unsecurely?
Select one or more:
☑ a. Telnet
☐ b. SSH
☐ c. VNC
☑ d. Remote Desktop

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

If a Network layer protocol is aware that a packet is larger than the maximum size for its network, it will divide the packet into smaller packets in a process known as:

Select one:

○ a. packet splitting

○ b. de-encapsulation

○ c. framing

● d. fragmentation

Question 9
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is the name for the protocol data unit (PDU) of the Data Link layer?

Select one:

- ⦿ a. frame
- ◯ b. packet
- ◯ c. bit
- ◯ d. data

Question 10
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The proper handling procedures for substances such as chemical solvents is typically outlined in which of the following options?
Select one:

- ⦿ a. Material Safety Data Sheet (MSDS)
- ○ b. Dangerous and Hazardous Waste Disposal Sheet (DHWDS)
- ○ c. Environmental Chemical Hazard Sheet (ECHS)
- ○ d. Toxic Chemical Safety Procedure (TCSP)

Question 11
Complete
Mark 0.00 out of 5.00

Flag question

Question text

Static electricity can cause what two types of damage in electronic components?
Select one or more:

- ☐ a. electromagnetic failure
- ☐ b. catastrophic failure
- ☐ c. upset failure
- ☑ d. polarity failure

Question 12
Complete
Mark 2.50 out of 5.00

Flag question

Question text

What are the two main Transport Layer protocols?
Select one or more:

- ☐ a. SPX
- ☐ b. IPX
- ☑ c. TCP
- ☐ d. UDP

Question 13
Complete
Mark 2.50 out of 5.00

Flag question

Question text

What two mail delivery protocols below can be used by a client application to receive e-mail from a server?
Select one or more:

- [ ] a. IMAP4
- [ ] b. MGET
- [ ] c. SMTP
- [x] d. POP3

Question 14
Complete
Mark 5.00 out of 5.00
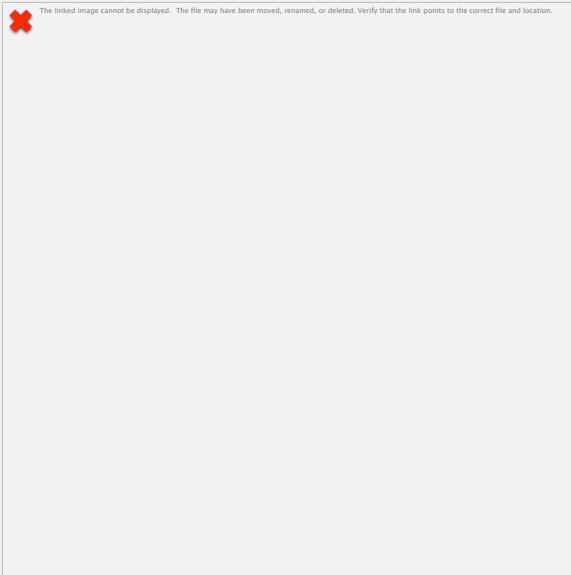
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

HTTP, IMAP4, FTP, and Telnet are all examples of protocols that operate at what layer of the OSI model?
Select one:

- ( ) a. Layer 5
- ( ) b. Layer 4
- (•) c. Layer 7
- ( ) d. Layer 6

Question 15
Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Any computer or device on a network that can be addressed on the local network is referred to as a:

Select one:

○ a. host

◉ b. node

○ c. subject

○ d. target

Question 16
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A standard network switch operates at what layer of the OSI model?

Select one:

○ a. Layer 7

◉ b. Layer 2

○ c. Layer 3

○ d. Layer 5

Question 17
Complete
Mark 2.50 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Question text

What two encryption protocols are commonly used with the Hypertext Transfer Protocol?
Select one or more:
- ☑ a. SSL
- ☐ b. AES
- ☐ c. TLS
- ☐ d. SSH

Question 18
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

When using a Windows domain, what is the domain-level account for each user known as?
Select one:

○ a. principle name

◉ b. global account

○ c. universal account

○ d. domain token

Question 19
Complete
Mark 5.00 out of 5.00

Flag question

Question text

In what network topology are devices daisy-chained together in a single line?

Select one:

a. star bus topology

b. star topology

c. bus topology

d. ring topology

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What layer of the OSI model describes how data between applications is synced and recovered if messages don't arrive intact at the receiving application?
Select one:
- ⦿ a. Session Layer
- ○ b. Presentation Layer
- ○ c. Transport Layer
- ○ d. Application Layer

What command below can be used to display a complete summary of all network interfaces in a Windows computer?
Select one:
- ○ a. `ipconfig /a`
- ⦿ b. `ipconfig /all`
- ○ c. `ipconfig /show`
- ○ d. `ipconfig /list`

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What do the first 24 bits of a MAC address represent?
Select one:

a. device ID

b. Organizationally Unique Identifier

c. extension ID

d. network ID

Question 3
Complete
Mark 2.50 out of 5.00

Flag question

Question text

What two names are used to describe the configuration in which internal and external DNS queries are handled by different DNS servers or by a single DNS server that is specially configured to keep internal and external DNS zones separate?

Select one or more:

☐ a. DMZ DNS

☐ b. split DNS

☑ **c. split-horizon DNS**

☐ d. walled-DNS

Question 4
Complete
Mark 5.00 out of 5.00
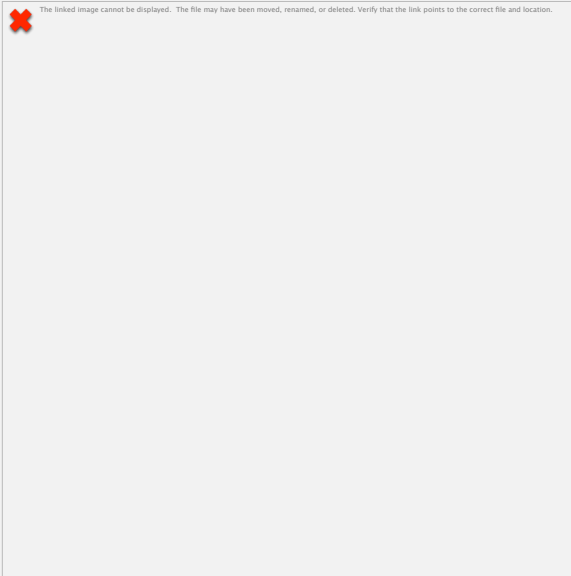
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What two types of IP addresses are used on the Internet?
Select one or more:

☐ a. IPX

☑ **b. IPv4**

☐ c. IPng

☑ **d. IPv6**

Question 5

Complete
Mark 0.00 out of 5.00

Question text

What two address prefixes for IPv6 addresses are used for unique local unicast?
Select one or more:
- a. FC00::/7
- b. FE80::/64
- c. FF00::/8
- d. FD00::/8

Question 6
Complete
Mark 0.00 out of 5.00

Flag question

Question text

Select the IPv6 address below that indicates a global unicast address:

Select one:

- ⦿ a. FE80::10
- ◯ b. 2000::/3
- ◯ c. FC00::/7
- ◯ d. FD00::/8

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What utility is used to verify that TCP/IP installed, bound to the NIC, configured correctly, and communicating with the network?
Select one:

a. route

b. traceroute

c. ping

d. ifconfig

Question 8
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A loopback IP address begins with what number?
Select one:
- ● a. 127
- ○ b. 169
- ○ c. 192
- ○ d. 254

Question 9
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

DNS follows a centralized database model.
Select one:
○ True
● **False**

Question 10
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

In Linux systems, what file contains the settings for the DHCP service?
Select one:
○ a. dhcp.ini
○ b. dhcpd.conf
○ c. dhcp.cf
● d. dhcpd.cfg

Question 11
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What top level domain is used for the air-transport industry?
Select one:
a. .tport
b. .intl
c. .air
d. .aero

Question 12
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What command on Linux will display TCP/IP information associated with every interface on the device?

Select one:

○ a. ifconfig /all

○ b. ipconfig /all

○ c. ipconfig -a

● d. ifconfig -a

Question 13
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Traditional MAC addresses are broken into two parts. Name these two parts.

Select one or more:

☑ a. block ID

☐ b. primary octet

☐ c. secondary octet

☑ d. device ID

Question 14
Complete

Mark 5.00 out of 5.00

Flag question

Question text

When two IPv6 nodes are on the same network, they are referred to as which of the following?
Select one:

- a. friends
- b. adjacent
- c. collaborators
- d. neighbors

Question 15
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Each organization that provides host services on the public Internet is responsible for providing and maintaining DNS authoritative servers for public access.

Select one:

🔘 True

⚪ False

Question 16
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What two ipconfig commands below are used to show DNS resolver cache information and clear the name resolver cache?
Select one or more:

☑ a. ipconfig /displaydns
☑ b. ipconfig /flushdns
☐ c. ipconfig /releasedns
☐ d. ipconfig /alldns

Question 17
Complete
Mark 5.00 out of 5.00
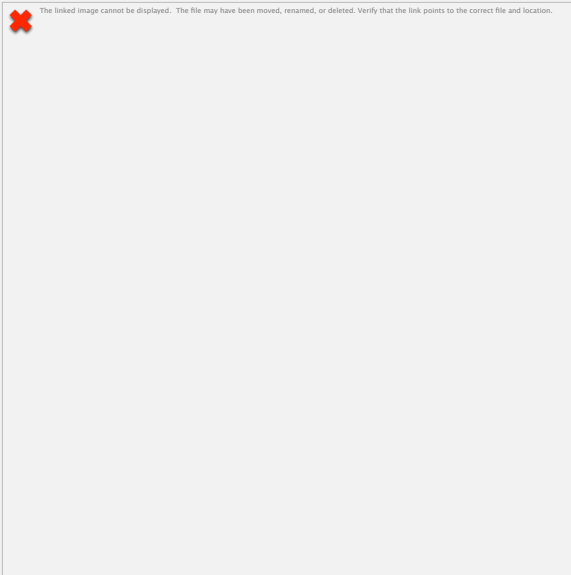
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A port number, which identifies an application on a host, exists at what level of the OSI model?
Select one:

○ a. Application
○ b. Data link
○ c. Network
● d. Transport

Question 18
Complete

Mark 5.00 out of 5.00

Flag question

Question text

What range of ports is referred to as the "well-known" range of ports?
Select one:
- a. 0-1023
- b. 1024-49151
- c. 500 - 1024
- d. 49152-65535

Question 19
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A hexadecimal number is a number written in the base 16 number system.
Select one:

● **True**
○ False

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What are the last two parts of a host name known as?
Select one:
- a. fully qualified domain name (FQDN)
- ● b. domain name
- c. host qualifier
- d. top level domain

q3

n IPv6, what field is used to indicate what sequence of packets from one source to one or multiple destinations a packet belongs to?
Select one:
- a. traffic class
- ● b. flow label
- c. traffic exchange
- d. group ID

Question 2
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which of the following is not a task handled by a router?
Select one:

● a. A router forwards broadcasts over the network.

○ b. A router can connect dissimilar networks.

○ c. A router can interpret Layer 3 and often Layer 4 addressing.

○ d. A router can reroute traffic if the path of first choice is down but a second path is available.

Question 3
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What happens when a router receives a packet with a TTL of 0?
Select one:

○ a. The router attempts to forward the traffic on a local network

◉ b. The router drops the packet and sends an ICMP TTL expired message back to the host.

○ c. The router resets the TTL to 128.

○ d. The router marks the packet as corrupted and forwards it to the next hop.

Question 4
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which network routing protocol is a path vector protocol that sends updates between routers using TCP?
Select one:

- a. IS-IS
- b. BGP
- c. RIP
- d. OSPF

Question 5
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which of the following are types of entries an ARP table contains?
Select one or more:

- ☑ a. Dynamic
- ☑ b. Static
- ☐ c. Flat
- ☐ d. Basic

Question 6
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What two fields below are used by IPv4 and IPv6 respectively to limit the number of times that a packet can be forwarded on a network?

Select one or more:

- a. total time routing
- b. max path count
- ☑ c. hop limit
- ☑ d. TTL

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

On IPv4 networks, IGMP operates at the Network layer of the OSI model to manage multicasting.
Select one:
- ⦿ True
- ◯ False

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What address does ARP work in conjunction with IPv4 to discover?

Select one or more:

- ☐ a. IP
- ☑ b. <mark>physical</mark>
- ☑ c. <mark>MAC</mark>
- ☐ d. ARP

Question 9
Complete
Mark 5.00 out of 5.00
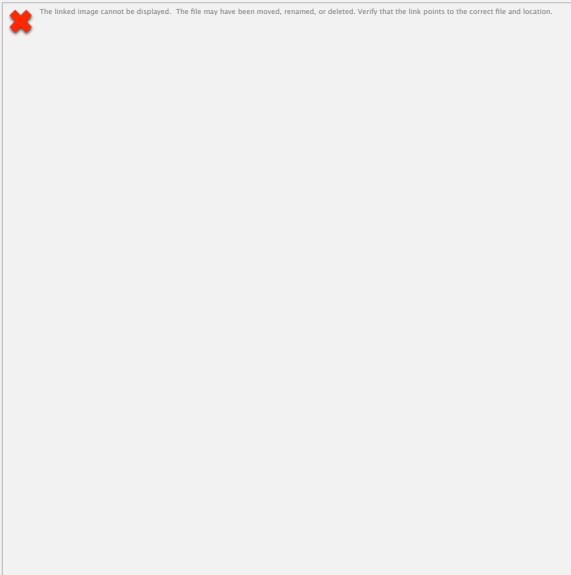
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is NOT one of the three characteristics of TCP in its role as a reliable delivery protocol?

Select one:

- ◉ a. <mark>Framing</mark>
- ○ b. Flow Control
- ○ c. Connection-oriented Protocol
- ○ d. Sequencing and checksums

Question 10
Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

At what layer of the OSI model would a TCP or UDP header be added to a payload?
Select one:

- a. Layer 4
- b. Layer 2
- c. Layer 7
- d. Layer 1

Question 11
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What routing protocol criteria is defined as the time it takes to recognize a best path change in the event of a network outage?
Select one:

- a. overhead calculation
- b. administrative distance detection
- c. downed path detection
- d. convergence time

Question 12
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What `netstat` command option lists only current connections, including IP addresses and port numbers?
Select one:

a. -s

b. -o

c. -n

d. -r

Question 13
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What IPv4 protocol handles multicasting for tasks such as videoconferencing or teleconferencing?
Select one:
○ a. ICMP
○ b. TCP
○ c. ARP
● d. IGMP

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What protocol replaces ARP, IGMP, and ICMPv4 on IPv6 based networks?
Select one:
- a. BGPv6
- b. ICMPv6
- c. ARPng
- d. IGMPv6

Question 15
Complete
Mark 5.00 out of 5.00

Flag question

Question text

In a TCP segment, what field indicates how many bytes the sender can issue to a receiver while acknowledgement for the segment is outstanding?

Select one:

- a. URG flag
- b. urgent pointer
- c. sequence number
- ● d. sliding window

Question 16
Complete
Mark 5.00 out of 5.00

Flag question

Question text

When viewing the routing table on a UNIX system, what flag indicates if a route is a usable route?
Select one:

○ a. G
○ b. H
○ c. I
● d. U

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

Question text

IPv4 and IPv6 use the same packet format.
Select one:
○ True
● False

Question 18
Complete
Mark 5.00 out of 5.00

Flag question

Question text

By default, the `pathping` command sends how many pings per hop?

Select one:

- ○ a. 500
- ○ b. 200
- ◉ **c. 100**
- ○ d. 50

Question 19
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

IP is an unreliable, connectionless protocol.

Select one:

- ◉ **True**
- ○ False

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

UDP provides error checking, but not sequencing.
Select one:
○ True
◉ False

Q4

Ethernet exists at what layer of the OSI model?
Select one:
○ a. Layer 4
○ b. Layer 3
○ c. Layer 1
◉ d. Layer 2

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text

How far away from fluorescent lights or other sources of EMI should cable be installed?

Select one:

- a. at least 5 feet
- b. at least 10 feet
- c. at least 3 feet
- d. at least 20 feet

Question 3
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Select the two Transport Layer protocols that are used by SANs:
Select one or more:

☑ a. iSCSI

☑ b. Fibre Channel

☐ c. SAS

☐ d. SATA

Question 4
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What is the maximum allowable distance for horizontal wiring?
Select one:
- ● a. 100 m
- ○ b. 90 m
- ○ c. 90 ft
- ○ d. 100 ft

Question 5
Complete
Mark 5.00 out of 5.00
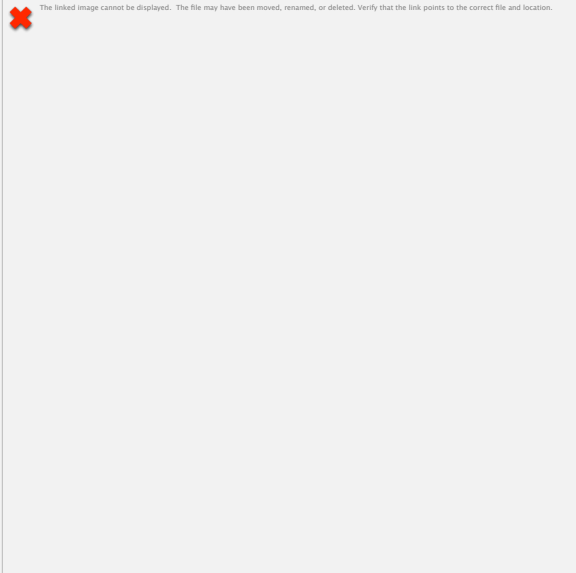
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What cable type comes in two different modes, single mode and multimode?
Select one:
- ○ a. UTP
- ○ b. STP
- ● c. Fiber optic
- ○ d. Coaxial

Question 6
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which method of transmission allows signals to travel in both directions over a medium but in only one direction at a time?
Select one:
- a. multiplex
- b. full duplex
- c. half duplex
- d. simplex

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The radius of the maximum arc into which you can loop a cable without impairing data transmission is known as what option below?

Select one:

- a. bend radius
- b. metal stress factor
- c. flex rating
- d. arc coefficient

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

One watt is equal to how many volt-amps?
Select one:
- a. 1,000
- b. 2
- c. 10
- d. 1.4

Question 9
Complete
Mark 2.50 out of 5.00

Flag question

Question text

The standard that describes uniform, enterprise-wide cabling systems, regardless of who manufactures or sells the various parts used in the system, can be referred to by what two options below?

Select one or more:

- ☑ a. TIA/EIA-568
- ☐ b. structured cabling
- ☐ c. hierarchical cabling
- ☑ d. IEEE Commercial Building Wiring Standard

Question 10
Complete
Mark 5.00 out of 5.00

❌ The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.
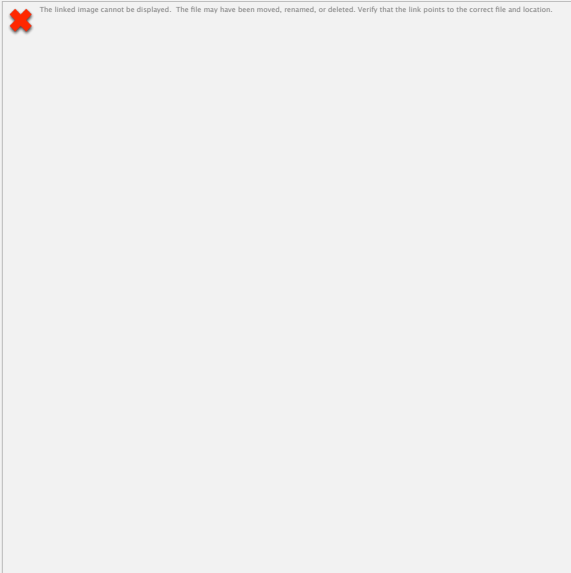
Flag question

Question text

What component of the backbone runs between a building's floors and can be used to connect an MDF and IDF or multiple IDFs?

Select one:

- ○ a. horizontal cross connect
- ○ b. diagonal cabling
- ● c. vertical cross connect
- ○ d. patch cable

Question 11

Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

If the use of a pre-existing Ethernet infrastructure is desired for a SAN, what Transport Layer protocol should be utilized?
Select one:

○ a. SAS

○ b. PATA

○ c. Fibre Channel

◉ d. iSCSI

Question 12
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Select the component of enterprise level structured cabling that serves as the location where an incoming network interface enters a building and connects with the building's backbone cabling:

Select one:

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

Question 13
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

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.

Select one:
- ⦿ True
- ◯ False

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What type of power converter changes the voltage of an AC current, such as when power over the main line from an electric company is changed before being delivered to a home?
Select one:
- ○ a. transformer
- ○ b. rectifier
- ○ c. inverter
- ○ d. voltage regulator

Question 15
Complete
Mark 5.00 out of 5.00

Flag question

Question text

In order to simplify console access to computers in a rack, what device is typically used to provide a central portal for all devices on the rack?

Select one:

- a. terminal server
- b. AVR switch
- c. multi-monitor breakout cable
- d. KVM switch

Question 16
Complete
Mark 5.00 out of 5.00

Flag question

Question text

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.
Select one:
🔘 True
⚪ False

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Equipment racks most commonly come in what two widths?
Select one or more:

- ✅ a. 19 inch frame
- ☐ b. 18 inch frame
- ✅ c. 23 inch frame
- ☐ d. 17 inch frame

Question 18
Complete
Mark 5.00 out of 5.00
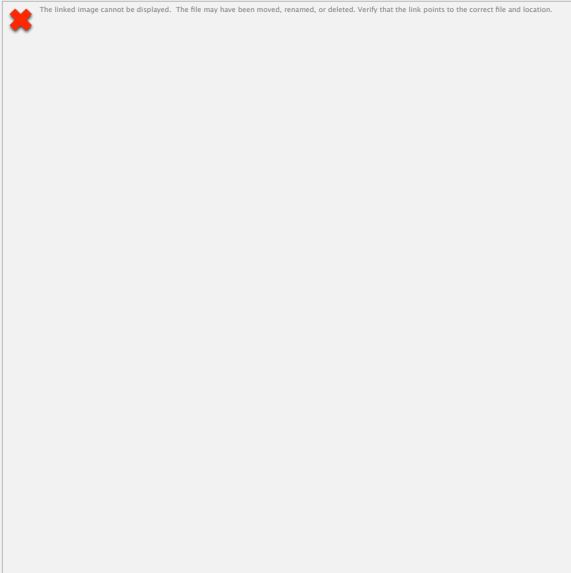
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Select the maximum allowable distances for horizontal wiring for a span that connects a data jack on a wall to a data closet, and for a span that connects a workstation to the data jack, respectively:
Select one or more:

- ✅ a. 90 m
- ☐ b. 100 m
- ✅ c. 10 m
- ☐ d. 5 m

Question 19
Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A NIC card cannot determine whether the frames it transmits and receives are using IP packets or a different layer 3 protocol, because the NIC does not operate higher than Layer 2 of the OSI model.

Select one:

⦿ True

◯ False

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What is the maximum frame size for Ethernet II frames on a VLAN?
Select one:
- a. 1496 bytes
- b. 1518 bytes
- c. 1522 bytes
- d. 1500 bytes

A serial cable with an RJ-45 connector is capable of being used through an RJ-45 Ethernet port.
Select one:
- True
- False

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Standard PoE devices must be provided with how much power in order to function?
Select one:
- a. 5 watts
- b. 25.5 watts
- c. 12 watts
- ● d. 15.4 watts

Question 3
Complete
Mark 0.00 out f 5.00

Flag question

Question text

Frequencies used to convey speech over telephone lines fall between what two frequencies below?
Select one or more:

- ☑ a. 5.5 KHz
- ☐ b. 100 Hz
- ☐ c. 300 Hz
- ☐ d. 3.3 KHz

Question 4
Complete
Mark 2.50 out of 5.00

Flag question

Question text

What two items below are commonly expressed as bits transmitted per second?

Select one or more:

- ☐ a. amplitude
- ☑ b. frequency
- ☐ c. bandwidth
- ☑ d. throughput

Question 5
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Since cable TV and cable Internet can share the same coaxial cable, they are considered to be what type of technology?
Select one:

- ○ a. wideband
- ○ b. narrowband
- ○ c. baseband
- ● d. broadband

Question 6
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is the minimum category of UTP cable required in order to support Gigabit speeds?
Select one:

- a. Cat 6
- b. Cat 5
- c. Cat 3
- d. Cat 5e

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Multimode fiber contains a core that is larger than a single mode fiber core.

Select one:

◉ True

◯ False

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which of the following connectors is the most common for multimode fiber?

Select one:

- **a. MT-RJ**
- b. SC
- c. FC
- d. ST

Question 9
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is the maximum distance for 10GBase-ER and 10GBase-EW on a segment of single mode fiber?

Select one:

- **a. 40km**
- b. 550m
- c. 10km
- d. 300m

Question 10
Complete

Mark 0.00 out of 5.00

Flag question

Question text

What is the maximum supported throughput and bandwidth / signal rate of Cat 5e?
Select one or more:

- ☐ a. 350 MHz
- ☑ b. 100 MHz
- ☐ c. 100 Mbps
- ☐ d. 1000 Mbps

Question 11
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What term below is used to describe the outer-most layer of protective covering of a coaxial cable?
Select one:
- ○ a. braiding
- ○ b. shield
- ● c. sheath
- ○ d. insulation

Question 12
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A measure of a signal's strength at any given time is known as which term below?

Select one:

- ○ a. wavelength
- ◉ b. amplitude
- ○ c. phase
- ○ d. frequency

Question 13
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Using DWDM, a single fiber can carry between what two numbers of channels?

Select one or more:

- ☐ a. 200
- ☐ b. 60
- ☑ c. 80
- ☑ d. 160

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The number of times that a wave's amplitude cycles from its starting point, through its highest amplitude and its lowest amplitude, and back to its starting point over a fixed period of time, is known as what term below?

Select one:

○ a. phase

● b. frequency

○ c. amplitude

○ d. wavelength

Question 15
Complete
Mark 5.00 out of 5.00
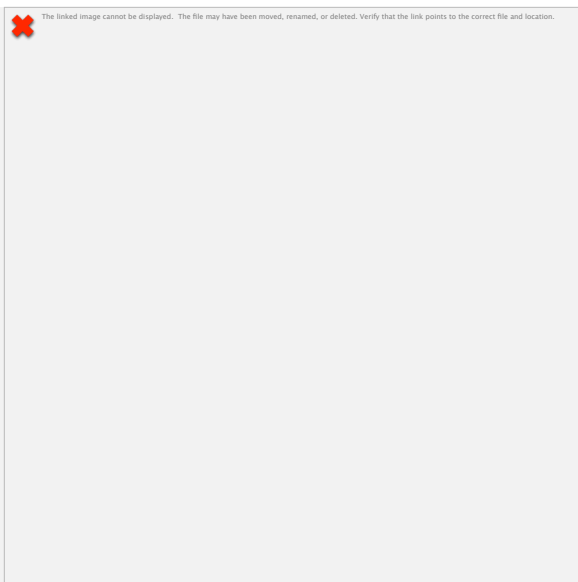
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A continuity tester should not be used on a live network segment.
Select one:
- ○ True
- ○ False

Question 16
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.
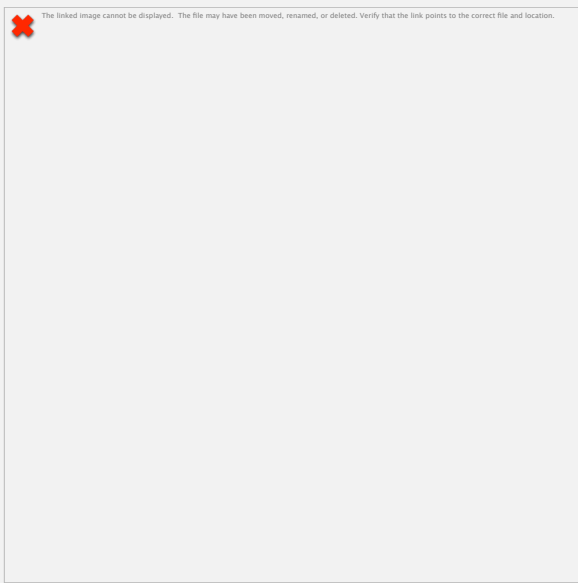
Flag question

Question text

Which option below reflects the standard impedance of an RG-6 cable?

Select one:

○ a. 50 ohms

○ b. 65 ohms

○ c. 60 ohms

◉ d. 75 ohms

Question 17

Complete

Mark 0.00 out of 5.00

> ✖ The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which type of multiplexing is defined by wavelength instead of frequency?

Select one:

○ a. DWDM

○ b. CWDM

◉ c. WDM

○ d. FDM

Question 18

Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

WDM divides a beam of light into how many different wavelengths or colors?
Select one:
- ⦿ a. 40
- ○ b. 20
- ○ c. 10
- ○ d. 30

Question 19
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

How many cable pairs are needed for 1000Base-T transmission over CAT5e cable?

Select one:

- a. 4
- b. 8
- c. 2
- d. 6

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The most common multiplexing technology used in conjunction with fiber optics is which option below?
Select one:
- a. CWDM
- b. WDM
- c. FDM
- d. DWDM

123

A standard network switch operates at what layer of the OSI model?
Select one:
- a. Layer 7
- b. Layer 5
- c. Layer 2
- d. Layer 3

Question 2
Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What two mail delivery protocols below can be used by a client application to receive e-mail from a server?
Select one or more:
- ☐ a. SMTP
- ☑ b. POP3
- ☐ c. MGET
- ☑ d. IMAP4

Question 3
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Static electricity is an electrical charge in motion.

Select one:

○ True

● False

Question 4

Complete

Mark 5.00 out of 5.00

Flag question

Question text

After a problem and its symptoms have been identified, a theory regarding a probable cause should be established.
Select one:
◉ True
○ False

Question 5
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is the name for the protocol data unit (PDU) of the Data Link layer?
Select one:
◉ a. frame
○ b. bit
○ c. data
○ d. packet

Question 6
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What physical network topology consists of all connected devices connecting to one central device, such as a switch?
Select one:

○ a. ring topology
○ b. hub topology
○ c. bus topology
● d. star topology

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The proper handling procedures for substances such as chemical solvents is typically outlined in which of the following options?
Select one:
- ● a. Material Safety Data Sheet (MSDS)
- ○ b. Toxic Chemical Safety Procedure (TCSP)
- ○ c. Dangerous and Hazardous Waste Disposal Sheet (DHWDS)
- ○ d. Environmental Chemical Hazard Sheet (ECHS)

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The segment or datagram protocol data unit exists at what layer of the OSI model?
Select one:
- ○ a. Transport layer
- ○ b. Data link layer
- ○ c. Application layer
- ○ d. Network layer

Question 9
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The process of adding a header to the data inherited from the layer above is called what option below?
Select one:

- a. encapsulation
- b. appending
- c. segmenting
- d. fragmenting

Question 10
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The fundamental difference between a switch and a router is that a switch belongs only to its local network and a router belongs to two or more local networks.

Select one:

🔵 True

⚪ False

Question 11
Complete
Mark 5.00 out of 5.00

Flag question

Question text

HTTP, IMAP4, FTP, and Telnet are all examples of protocols that operate at what layer of the OSI model?

Select one:

○ a. Layer 6

⦿ b. Layer 7

○ c. Layer 5

○ d. Layer 4

Question 12

Complete
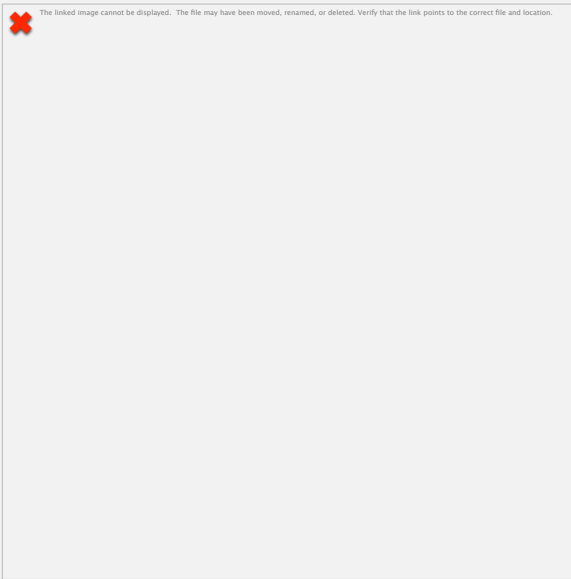
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

At what layer of the OSI model do the IP, ICMP, and ARP protocols operate?

Select one:

○ a. Transport

⦿ b. Network

○ c. Application

○ d. Session

Question 13

Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What are the two main Transport Layer protocols?
Select one or more:

- ☐ a. IPX
- ☑ b. TCP
- ☑ c. UDP
- ☐ d. SPX

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Servers that have a NOS installed require less memory, processing power, and storage capacity that clients because servers are called on to handle only light processing loads and requests from multiple clients.

Select one:

○ True

● False

Question 15

Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What two encryption protocols are commonly used with the Hypertext Transfer Protocol?
Select one or more:

- ☑ a. TLS
- ☐ b. AES
- ☐ c. SSH
- ☑ d. SSL

Question 16
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which of the following is not one of the disadvantages of peer-to-peer networks?

Select one:

- a. They are impractical for connecting large numbers of computers
- b. They are not necessarily secure
- c. They lack scalability
- d. They centralize user account logins

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The device where a telecommunications service provider network ends and an organization's network begins is referred to as what option below?

Select one:

a. local loop

b. point of no return

c. demarc

d. last mile

Question 18

Complete

Mark 5.00 out of 5.00

Flag question

Question text

What mail protocol is used to send mail messages to a server?
Select one:
- a. SMTP
- b. IMAP4
- c. HTTPS
- d. POP3

Question 19
Complete
Mark 5.00 out of 5.00

Flag question

Question text

If a Network layer protocol is aware that a packet is larger than the maximum size for its network, it will divide the packet into smaller packets in a process known as:

Select one:

- a. packet splitting
- b. framing
- ● **c. fragmentation**
- d. de-encapsulation

Question 20
Complete
Mark 5.00 out of 5.00
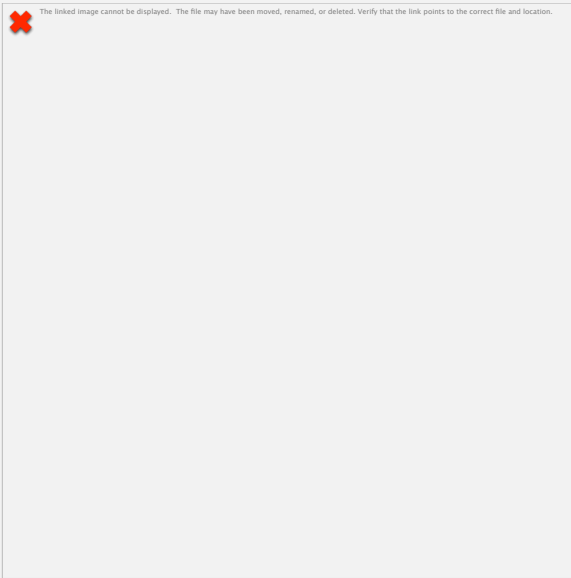
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

In what network topology are devices daisy-chained together in a single line?

Select one:

- a. star topology
- b. ring topology
- ● **c. bus topology**
- d. star bus topology

Quiz 2

Question 1
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Select the name of the free, open source software that is by far the most popular DNS server software:

Select one:

- a. Dnsmasq
- b. BIND
- c. Oracle Resolver

○ d. Microsoft DNS

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Select the IPv6 address below that indicates a global unicast address:

Select one:

○ a. FC00::/7

◉ b. FE80::10

○ c. FD00::/8

○ d. 2000::/3

Flag question

Question text

Select the protocol below that is used to synchronize clocks on computers on a network:
Select one:
- a. SMTP
- b. SIP
- c. NTP
- d. CIFS

Question 4
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What protocol is commonly used to request configuration files from another computer?
Select one:
- a. SIP
- b. SMB
- c. SNMP
- d. TFTP

Question 5
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What do the first 24 bits of a MAC address represent?
Select one:

- ⦿ a. Organizationally Unique Identifier
- ○ b. network ID
- ○ c. extension ID
- ○ d. device ID

Question 6
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

A hexadecimal number is a number written in the base 16 number system.
Select one:
⦿ True
○ False

Question 7
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Each organization that provides host services on the public Internet is responsible for providing and maintaining DNS authoritative servers for public access.
Select one:
⦿ True
○ False

Question 8
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

DNS follows a centralized database model.
Select one:

🔘 True

⚪ False

Question 9
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What RFC outlines recommendations for private IP addresses?

Select one:

○ a. RFC 2332

● b. RFC 1918

○ c. RFC 1900

○ d. RFC 638

Question 10

Complete

Mark 2.50 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What two names are used to describe the configuration in which internal and external DNS queries are handled by different DNS servers or by a single DNS server that is specially configured to keep internal and external DNS zones separate?

Select one or more:

☐ a. walled-DNS

☐ b. split-horizon DNS

☑ c. DMZ DNS

☑ d. split DNS

Question 11

Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

NetBIOS applications should be replaced as they are out-of-date.
Select one:

🔘 True

⚪ False

Question 12
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which protocol below is used to make an initial connection between hosts for transferring multimedia data, relying on other protocols once a connection is established?
Select one:
○ a. SMB
◉ b. H.323
○ c. NTP
○ d. SIP

Question 13
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

ICANN is responsible for restrictions on use of the .com, .org, and .net TLDs.
Select one:
◉ True
○ False

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A loopback IP address begins with what number?
Select one:
- a. 192
- **b. 127**
- c. 169
- d. 254

Question 15
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What range of ports is referred to as the "well-known" range of ports?
Select one:

- **a. 0-1023**
- b. 49152-65535
- c. 1024-49151
- d. 500 - 1024
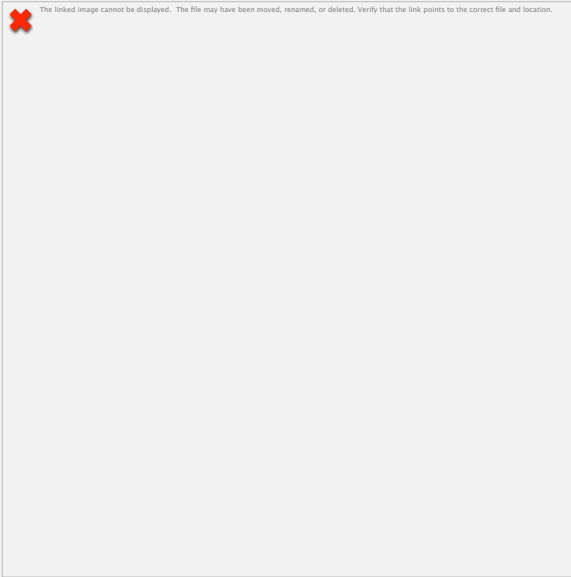
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What command below can be used to display a complete summary of all network interfaces in a Windows computer?
Select one:

- a. `ipconfig /a`
- b. `ipconfig /show`
- **c. `ipconfig /all`**
- d. `ipconfig /list`

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

An IPv6 address consists of how many bits?
Select one:
- ◉ a. 128
- ○ b. 32
- ○ c. 96
- ○ d. 48

Question 18
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What two ipconfig commands below are used to show DNS resolver cache information and clear the name resolver cache?
Select one or more:

☑ a. ipconfig /displaydns

☐ b. ipconfig /releasedns

☑ c. ipconfig /flushdns

☐ d. ipconfig /alldns

Question 19
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What top level domain is used for the air-transport industry?
Select one:

- ● a. .aero
- ○ b. .tport
- ○ c. .intl
- ○ d. .air

Question 20
Complete
Mark 2.50 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Traditional MAC addresses are broken into two parts. Name these
two parts.
Select one or more:
☐ a. device ID
☑ b. secondary octet
☐ c. primary octet
☑ d. block ID

Quiz 3

Question 1
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What versions of the IP protocol are used on networks today?
Select one or more:

- a. IPv1
- ☑ b. IPv6
- ☑ c. IPv4
- d. IPv5

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What two fields below are used by IPv4 and IPv6 respectively to limit the number of times that a packet can be forwarded on a network?

Select one or more:

- ☐ a. max path count
- ☑ **b. hop limit**
- ☑ **c. TTL**
- ☐ d. total time routing

Question 3
Complete
Mark 5.00 out of 5.00

❌ The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

In a TCP segment, what field indicates how many bytes the sender can issue to a receiver while acknowledgement for the segment is outstanding?

Select one:

- ○ a. sequence number
- ○ b. URG flag
- ◉ **c. sliding window**
- ○ d. urgent pointer

Question 4
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Question text

What happens when a router receives a packet with a TTL of 0?
Select one:

- ● a. The router drops the packet and sends an ICMP TTL expired message back to the host.
- ○ b. The router attempts to forward the traffic on a local network
- ○ c. The router resets the TTL to 128.
- ○ d. The router marks the packet as corrupted and forwards it to the next hop.

Question 5
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The IP connectionless protocol relies on what other protocol to guarantee delivery of data?
Select one:

- ○ a. ARP
- ○ b. ICMP
- ○ c. UDP
- ● d. TCP

Question 6
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A modern ASN consists of how many bits?
Select one:

- a. 64
- b. 32
- c. 128
- d. 16

Question 7
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which network routing protocol is a path vector protocol that sends updates between routers using TCP?
Select one:
- a. BGP
- b. RIP
- c. IS-IS
- d. OSPF

Question 8
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

At what layer of the OSI model would a TCP or UDP header be added to a payload?
Select one:
- a. Layer 4
- b. Layer 2
- c. Layer 1
- d. Layer 7

Question 9
Complete

Mark 5.00 out of 5.00

Flag question

Question text

What parameter can be combined with
the `traceroute` command to instruct it to use ICMP echo
requests instead of UDP datagrams?
Select one:
- ⦿ a. -I
- ⦾ b. -p
- ⦾ c. -n
- ⦾ d. -d

Question 10
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

UDP provides error checking, but not sequencing.
Select one:

○ True

◉ False

Question 11
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

IP is an unreliable, connectionless protocol.
Select one:
◉ True
○ False

Question 12
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What `netstat` command option lists only current connections, including IP addresses and port numbers?
Select one:
○ a. -s
○ b. -o
◉ c. -n
○ d. -r

Question 13
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which of the following are types of entries an ARP table contains?
Select one or more:

- a. Basic
- ☑ b. Static
- c. Flat
- ☑ d. Dynamic

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

On IPv4 networks, IGMP operates at the Network layer of the OSI model to manage multicasting.
Select one:
● True
○ False

Question 15
Complete
Mark 5.00 out of 5.00
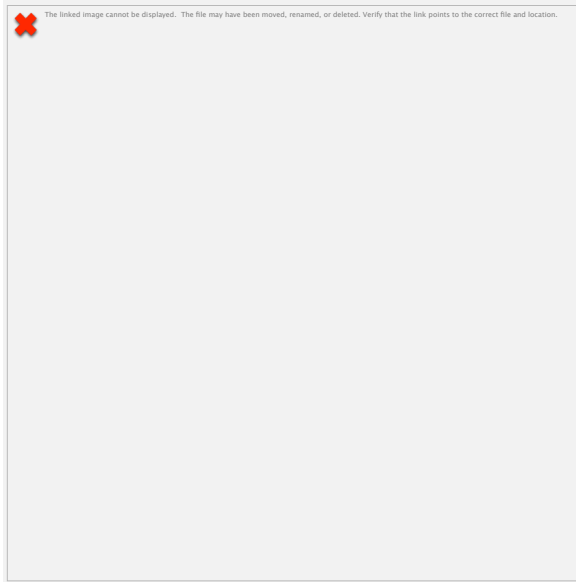
Flag question

Question text

What protocol replaces ARP, IGMP, and ICMPv4 on IPv6 based networks?
Select one:
○ a. ARPng
● b. ICMPv6
○ c. BGPv6
○ d. IGMPv6

Question 16
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Question text

What command can be used on a Cisco router to view the routing table?

Select one:

○ a. `route`

○ b. `route print`

○ c. `netstat -r`

◉ d. `show ip route`

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What type of routing protocol enables routers to communicate beyond neighboring routers, allowing each router to create a map of an entire network?
Select one:
- a. distance vector
- b. exterior gateway
- ● c. link state
- d. map extension

Question 18
Complete
Mark 5.00 out of 5.00

Flag question

Question text

In IPv6, what field is used to indicate what sequence of packets from one source to one or multiple destinations a packet belongs to?

Select one:

- a. group ID
- b. flow label
- c. traffic exchange
- d. traffic class

Question 19
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What routing protocol criteria is defined as the time it takes to recognize a best path change in the event of a network outage?
Select one:
- a. overhead calculation
- b. administrative distance detection
- ● c. convergence time
- d. downed path detection

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Which of the following is not a task handled by a router?
Select one:

○ a. A router can connect dissimilar networks.

● b. A router forwards broadcasts over the network.

○ c. A router can interpret Layer 3 and often Layer 4 addressing.

○ d. A router can reroute traffic if the path of first choice is down but a second path is available.

Quiz 4
Question 1
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What is the industry standard for rack height in rack units?
Select one:

- a. 22U
- b. 42U
- c. 54U
- d. 18U

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text
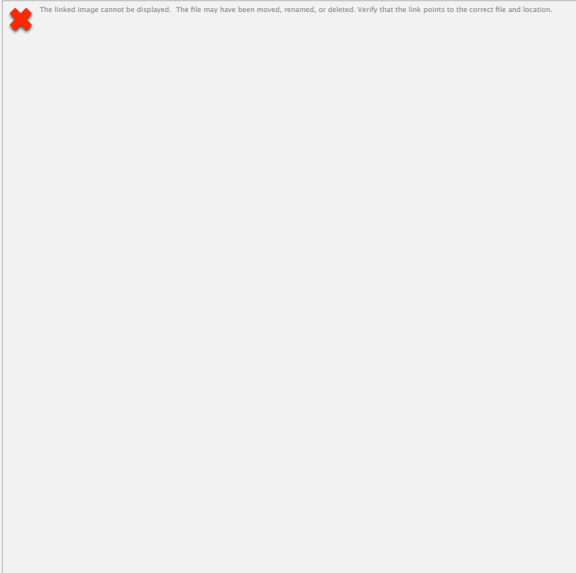
Select the maximum allowable distances for horizontal wiring for a span that connects a data jack on a wall to a data closet, and for a span that connects a workstation to the data jack, respectively:
Select one or more:
- ☐ a. 5 m
- ☐ b. 100 m
- ☑ **c. 10 m**
- ☑ **d. 90 m**

Question 3
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.
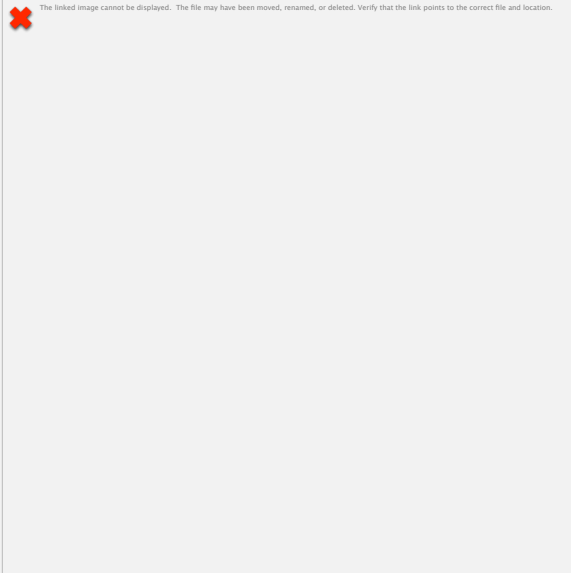
Flag question

Question text

Cable that is coated with flame-resistant polyvinyl chloride (PVC) is acceptable for use in plenum areas.
Select one:
- ○ True
- ◉ **False**

Question 4
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Ethernet exists at what layer of the OSI model?
Select one:
a. Layer 1
b. Layer 2
c. Layer 3
d. Layer 4

Question 5
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A NIC card cannot determine whether the frames it transmits and receives are using IP packets or a different layer 3 protocol, because the NIC does not operate higher than Layer 2 of the OSI model.

Select one:

◉ **True**

○ False

Question 6
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which method of transmission allows signals to travel in both directions over a medium but in only one direction at a time?

Select one:

◉ **a. half duplex**

○ b. simplex

○ c. multiplex

○ d. full duplex

Question 7
Complete

Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Question text

What type of power flaw involves a fluctuation in voltage levels caused by other devices on the network or by EMI?
Select one:

- a. noise
- b. surge
- c. blackout
- d. brownout

Question 8
Complete
Mark 0.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Where is a demarc located in relation to the structured cabling of an enterprise environment?
Select one:
- a. between the MDF and the IDF
- b. at the Intermediate Distribution Frame (IDF)
- c. at the entrance facility
- d. in the Main Distribution Frame (MDF)

Question 9
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

How far away from fluorescent lights or other sources of EMI should cable be installed?

Select one:

- ○ a. at least 5 feet
- ● b. at least 3 feet
- ○ c. at least 10 feet
- ○ d. at least 20 feet

Question 10
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

One watt is equal to how many volt-amps?
Select one:
- ⦿ a. 1.4
- ○ b. 1,000
- ○ c. 2
- ○ d. 10

Question 11
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

The radius of the maximum arc into which you can loop a cable without impairing data transmission is known as what option below?

Select one:

- a. arc coefficient
- **b. bend radius**
- c. metal stress factor
- d. flex rating

Question 12
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What cable type comes in two different modes, single mode and multimode?

Select one:

- **a. Fiber optic**
- b. Coaxial
- c. STP
- d. UTP

Question 13

Complete

Mark 2.50 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

The standard that describes uniform, enterprise-wide cabling systems, regardless of who manufactures or sells the various parts used in the system, can be referred to by what two options below?

Select one or more:

☑ a. IEEE Commercial Building Wiring Standard

☐ b. structured cabling

☑ c. TIA/EIA-568

☐ d. hierarchical cabling

Question 14

Complete

Mark 5.00 out of 5.00

Flag question

Question text

What type of power converter changes the voltage of an AC current, such as when power over the main line from an electric company is changed before being delivered to a home?
Select one:

- a. inverter
- b. rectifier
- c. voltage regulator
- d. transformer

Question 15
Complete
Mark 5.00 out of 5.00

Flag question

Question text

During termination of twisted pair cabling, what should be done to ensure minimal cross talk is introduced?
Select one:
- ● 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.

Question 16
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What is the maximum allowable distance for horizontal wiring?
Select one:
- a. 90 ft
- b. 90 m
- c. 100 ft
- ● d. 100 m

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

What component of the backbone runs between a building's floors and can be used to connect an MDF and IDF or multiple IDFs?
Select one:

- **a. vertical cross connect**
- b. patch cable
- c. horizontal cross connect
- d. diagonal cabling

Question 18
Complete
Mark 5.00 out of 5.00
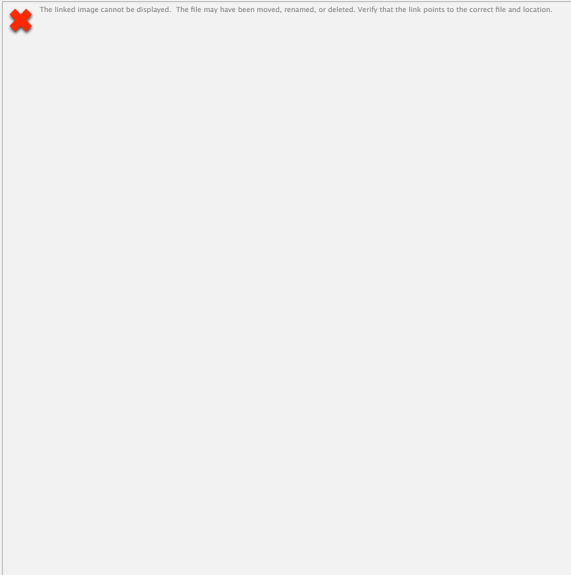
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

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.

Select one:

- **True**
- False

Question 19
Complete

Mark 5.00 out of 5.00

Flag question

Question text

Select the component of enterprise level structured cabling that serves as the location where an incoming network interface enters a building and connects with the building's backbone cabling:

Select one:

○ a. intermediate distribution frame

○ b. main distribution frame

◉ c. entrance facility

○ d. network interface device

Question 20

Complete

Mark 5.00 out of 5.00

Flag question

Question text

Which method of transmission allows signals to travel in both directions over a medium simultaneously?
Select one:

- a. simplex
- b. full-duplex
- c. half duplex
- d. multiplex

Quiz 5

Question 1
Complete
Mark 0.00 out of 5.00

Flag question

Question text

Which type of multiplexing is defined by wavelength instead of frequency?

Select one:

a. WDM

b. FDM

c. CWDM

d. DWDM

Question 2
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Using a form of transmission that allows multiple signals to travel simultaneously over one medium is known as which of the following options?
Select one:
- ○ a. modulating
- ○ b. embedding
- ○ c. coupling
- ● d. multiplexing

Question 3
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The most common multiplexing technology used in conjunction with fiber optics is which option below?
Select one:
- a. CWDM
- b. DWDM
- c. FDM
- d. WDM

Question 4
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Multimode fiber contains a core that is larger than a single mode fiber core.
Select one:
⦿ True
◯ False

Question 5
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Since cable TV and cable Internet can share the same coaxial cable, they are considered to be what type of technology?
Select one:

○ a. baseband
○ b. wideband
○ c. narrowband
◉ **d. broadband**
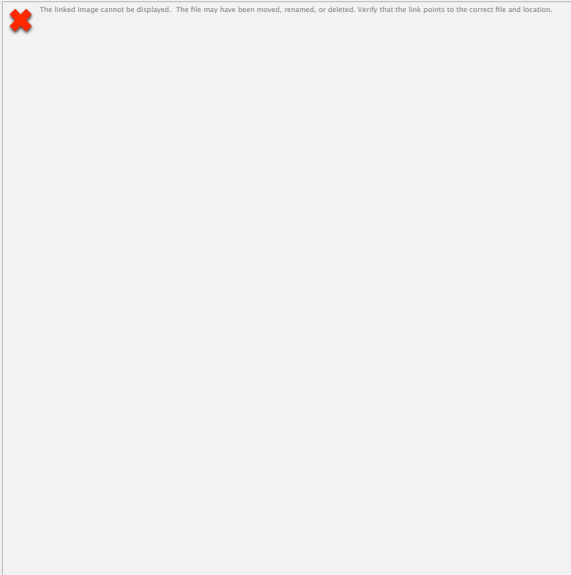
The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What is the maximum supported throughput of a CAT6 cable?
Select one:

○ a. 100 Gbps
◉ **b. 10 Gbps**
○ c. 1 Gbps
○ d. 100 Mbps

Flag question

Question text

Which option below reflects the standard impedance of an RG-6 cable?

Select one:

- a. 65 ohms
- b. 60 ohms
- c. 50 ohms
- ● d. 75 ohms

Question 8
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What is the maximum distance for 10GBase-ER and 10GBase-EW on a segment of single mode fiber?

Select one:

○ a. 550m

⦿ b. 40km

○ c. 10km

○ d. 300m

Question 9
Complete
Mark 5.00 out of 5.00

Flag question

Question text

The number of times that a wave's amplitude cycles from its starting point, through its highest amplitude and its lowest amplitude, and back to its starting point over a fixed period of time, is known as what term below?

Select one:

- a. frequency
- b. amplitude
- c. phase
- d. wavelength

Question 10
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Digital signals are composed of pulses of precise, positive voltages and zero voltages.
Select one:
○ **True**
○ False

Question 11
Complete
Mark 5.00 out of 5.00

Flag question

Question text

What type of cross-talk occurs between wire pairs near the source of a signal?
Select one:
- ○ a. far end cross talk
- ◉ b. near end cross talk
- ○ c. pair migration cross talk
- ○ d. alien cross talk

Question 12
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.
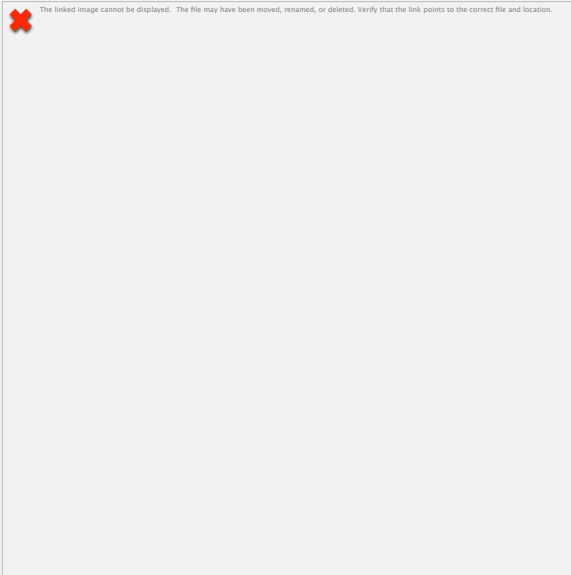
Flag question

Question text

A serial cable with an RJ-45 connector is capable of being used through an RJ-45 Ethernet port.
Select one:
- ○ True
- ◉ False

Question 13
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Question text

Using DWDM, a single fiber can carry between what two numbers of channels?

Select one or more:

- ☐ a. 60
- ☐ b. 200
- ☑ c. 160
- ☑ d. 80

Question 14
Complete
Mark 5.00 out of 5.00

Flag question

Question text

WDM divides a beam of light into how many different wavelengths or colors?
Select one:
- a. 20
- b. 40
- c. 10
- d. 30

Question 15
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

Which of the following connectors is the most common for multimode fiber?
Select one:
- ◉ <mark>a. MT-RJ</mark>
- ○ b. FC
- ○ c. ST
- ○ d. SC

Question 16
Complete
Mark 0.00 out of 5.00

Flag question

Question text

What is the minimum category of UTP cable required in order to support Gigabit speeds?
Select one:

○ a. Cat 5e

○ b. Cat 6

○ c. Cat 3

◉ d. Cat 5

Question 17
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Ethernet is an example of what type of technology?
Select one:
○ a. broadband
○ b. wideband
○ c. narrowband
● d. baseband
Question 18
Complete
Mark 5.00 out of 5.00

Flag question

Question text

A measure of a signal's strength at any given time is known as which term below?
Select one:

○ a. phase

◉ b. amplitude

○ c. frequency

○ d. wavelength

Question 19
Complete
Mark 5.00 out of 5.00

The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Flag question

Question text

What Ethernet standard below is also referred to as "thinnet"?
Select one:

○ a. 100Base2

○ b. 10BaseT

◉ c. 10Base2

○ d. 100BaseT

Question 20
Complete
Mark 5.00 out of 5.00

Flag question

Question text

Because digital signals do not depend on amplitude or frequency differences to communicate information, they are more vulnerable to EMI noise.

Select one:
○ True
◉ False

1234

Dashboard COMP COMP 4351.Network Administration.2016FLL.s1 Chapter 1 Qz1

Started on Thursday, 1 September 2016, 12:30 PM

State Finished

Completed on Thursday, 1 September 2016, 12:51 PM

Time taken 21 mins 11 secs

Grade 97.50 out of 100.00

Question 1 Complete Mark 5.00 out of 5.00 Not flagged Flag question

Question text

The protocol data unit for the Physical layer of the OSI model is payload, or data.

Select one:

<mark>True</mark>

False

Question 2CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

In what network topology are devices daisy-chained together in a single line?

Select one:

a. star bus topology

b. ring topology

c. star topology

<mark>d. bus topology</mark>

Question 3CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What two encryption protocols are commonly used with the Hypertext Transfer Protocol?

Select one or more:

<mark>a. SSL</mark>

<mark>b. TLS</mark>

c. SSH

d. AES

Question 4CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What are the two main Transport Layer protocols?

Select one or more:

<mark>a. TCP</mark>

b. SPX

c. IPX

<mark>d. UDP</mark>

Question 5CompleteMark 5.00 out of 5.00 Not flaggedFlag
question
Question text
The device where a telecommunications service provider
network ends and an organization's network begins is referred
to as what option below?
Select one:
a. demarc
b. local loop
c. point of no return
d. last mile
Question 6CompleteMark 5.00 out of 5.00 Not flaggedFlag
question
Question text
After a problem and its symptoms have been identified, a
theory regarding a probable cause should be established.
Select one:
True
False
Question 7CompleteMark 2.50 out of 5.00 Not flaggedFlag
question
Question text
Which two protocols can be used to gain remote access
specifically to a server's command line interface, securely and
unsecurely?
Select one or more:
a. VNC
b. Remote Desktop
c. SSH
d. Telnet
Question 8CompleteMark 5.00 out of 5.00 Not flaggedFlag
question
Question text
What mail protocol is used to send mail messages to a server?

Select one:

a. POP3

b. HTTPS

c. IMAP4

d. SMTP

Question 9CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Any computer or device on a network that can be addressed on the local network is referred to as a:

Select one:

a. subject

b. node

c. target

d. host

Question 10CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

If a Network layer protocol is aware that a packet is larger than the maximum size for its network, it will divide the packet into smaller packets in a process known as:

Select one:

a. fragmentation

b. packet splitting

c. de-encapsulation

d. framing

Question 11CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

The proper handling procedures for substances such as chemical solvents is typically outlined in which of the following options?

Select one:

a. Material Safety Data Sheet (MSDS)

b. Toxic Chemical Safety Procedure (TCSP)

c. Dangerous and Hazardous Waste Disposal Sheet (DHWDS)

d. Environmental Chemical Hazard Sheet (ECHS)

Question 12CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What two mail delivery protocols below can be used by a client application to receive e-mail from a server?

Select one or more:

a. MGET

b. POP3

c. SMTP

d. IMAP4

Question 13CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Select the layer of the OSI model that is responsible for reformatting, compressing, and/or encrypting data in a way that the application on the receiving end can read:

Select one:

a. Application

b. Transport

c. Session

d. Presentation

Question 14CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Static electricity can cause what two types of damage in electronic components?

Select one or more:

a. electromagnetic failure

b. catastrophic failure

c. upset failure

d. polarity failure

Question 15CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Servers that have a NOS installed require less memory, processing power, and storage capacity that clients because servers are called on to handle only light processing loads and requests from multiple clients.
Select one:
True
False
Question 16CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
At what layer of the OSI model do the IP, ICMP, and ARP protocols operate?
Select one:
a. Network
b. Application
c. Transport
d. Session
Question 17CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What layer of the OSI model describes how data between applications is synced and recovered if messages don't arrive intact at the receiving application?
Select one:
a. Transport Layer
b. Session Layer
c. Application Layer
d. Presentation Layer
Question 18CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text

Which of the following is not one of the disadvantages of peer-to-peer networks?

Select one:

a. They are impractical for connecting large numbers of computers

b. They are not necessarily secure

c. They centralize user account logins

d. They lack scalability

Question 19CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

HTTP, IMAP4, FTP, and Telnet are all examples of protocols that operate at what layer of the OSI model?

Select one:

a. Layer 5

b. Layer 4

c. Layer 6

d. Layer 7

Question 20CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

A standard network switch operates at what layer of the OSI model?

Select one:

a. Layer 7

b. Layer 5

c. Layer 3

d. Layer 2

Started onThursday, 8 September 2016, 12:31 PM

StateFinished

Completed on   Thursday, 8 September 2016, 12:51 PM

Time taken   19 mins 34 secs

Grade   82.50 out of 100.00

Question 1CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What two types of IP addresses are used on the Internet?
Select one or more:
a. IPX
b. IPv4
c. IPng
d. IPv6
Question 2CompleteMark 0.00 out of 5.00 Not flaggedFlag question
Question text
ICANN is responsible for restrictions on use of the .com, .org, and .net TLDs.
Select one:
True
False
Question 3CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
The Network Time Protocol service uses what port number?
Select one:
a. TCP 89
b. UDP 123
c. UDP 90
d. TCP 123
Question 4CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What utility is used to verify that TCP/IP installed, bound to the NIC, configured correctly, and communicating with the network?
Select one:
a. route

b. ifconfig

<mark>c. ping</mark>

d. traceroute

Question 5CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What command below can be used to display a complete summary of all network interfaces in a Windows computer?

Select one:

a. ipconfig /show

b. ipconfig /list

<mark>c. ipconfig /all</mark>

d. ipconfig /a

Question 6CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What do the first 24 bits of a MAC address represent?

Select one:

a. network ID

b. device ID

c. extension ID

<mark>d. Organizationally Unique Identifier</mark>

Question 7CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

A hexadecimal number is a number written in the base 16 number system.

Select one:

<mark>True</mark>

False

Question 8CompleteMark 0.00 out of 5.00 Not flaggedFlag question

Question text

NetBIOS applications should be replaced as they are out-of-date.
Select one:
<mark>True</mark>
False
Question 9CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
A port number, which identifies an application on a host, exists at what level of the OSI model?
Select one:
a. Application
<mark>b. Transport</mark>
c. Network
d. Data link
Question 10CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
DNS follows a centralized database model.
Select one:
True
<mark>False</mark>
Question 11CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
How many clusters of root servers exist?
Select one:
a. 8
<mark>b. 13</mark>
c. 15
d. 10
Question 12CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text

Traditional MAC addresses are broken into two parts. Name these two parts.
Select one or more:
a. secondary octet
b. device ID
c. primary octet
d. block ID
Question 13CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
When two IPv6 nodes are on the same network, they are referred to as which of the following?
Select one:
a. adjacent
b. friends
c. neighbors
d. collaborators
Question 14CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Select the name of the free, open source software that is by far the most popular DNS server software:
Select one:
a. Oracle Resolver
b. Microsoft DNS
c. Dnsmasq
d. BIND
Question 15CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What top level domain is used for the air-transport industry?
Select one:
a. .intl
b. .aero

c. .tport

d. .air

Question 16CompleteMark 0.00 out of 5.00 Not flaggedFlag question

Question text

Which protocol below is used to make an initial connection between hosts for transferring multimedia data, relying on other protocols once a connection is established?

Select one:

a. NTP

b. SMB

c. H.323

d. SIP

Question 17CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What command on Linux will display TCP/IP information associated with every interface on the device?

Select one:

a. ifconfig /all

b. ifconfig -a

c. ipconfig /all

d. ipconfig -a

Question 18CompleteMark 2.50 out of 5.00 Not flaggedFlag question

Question text

What two address prefixes for IPv6 addresses are used for unique local unicast?

Select one or more:

a. FC00::/7

b. FF00::/8

c. FE80::/64

d. FD00::/8

Question 19CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What two ipconfig commands below are used to show DNS resolver cache information and clear the name resolver cache?

Select one or more:

a. ipconfig /flushdns

b. ipconfig /displaydns

c. ipconfig /releasedns

d. ipconfig /alldns

Question 20CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Each organization that provides host services on the public Internet is responsible for providing and maintaining DNS authoritative servers for public access.

Select one:

True

False

Started onThursday, 15 September 2016, 12:43 PM

StateFinished

Completed on   Thursday, 15 September 2016, 12:49 PM

Time taken   5 mins 47 secs

Grade   100.00 out of 100.00

Question 1CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

In a TCP segment, what field indicates how many bytes the sender can issue to a receiver while acknowledgement for the segment is outstanding?

Select one:

a. URG flag

b. sequence number

c. urgent pointer

d. sliding window

Question 2CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

On IPv4 networks, IGMP operates at the Network layer of the OSI model to manage multicasting.

Select one:

True

False

Question 3CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Which of the following is not a task handled by a router?

Select one:

a. A router forwards broadcasts over the network.

b. A router can reroute traffic if the path of first choice is down but a second path is available.

c. A router can interpret Layer 3 and often Layer 4 addressing.

d. A router can connect dissimilar networks.

Question 4CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

IPv4 and IPv6 use the same packet format.

Select one:

True

False

Question 5CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

UDP provides error checking, but not sequencing.

Select one:

True

False

Question 6CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

When viewing the routing table on a UNIX system, what flag indicates if a route is a usable route?

Select one:

a. I

b. G

c. U

d. H

Question 7CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What TCP field below allows the receiving node to determine whether a TCP segment is corrupted during transmission?

Select one:

a. sliding window

b. checksum

c. TCP header length

d. acknowledgement number

Question 8CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What two fields below are used by IPv4 and IPv6 respectively to limit the number of times that a packet can be forwarded on a network?

Select one or more:

a. max path count

b. TTL

c. hop limit

d. total time routing

Question 9CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Which network routing protocol is a path vector protocol that sends updates between routers using TCP?
Select one:
a. BGP
b. IS-IS
c. RIP
d. OSPF
Question 10CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
In IPv6, what field is used to indicate what sequence of packets from one source to one or multiple destinations a packet belongs to?
Select one:
a. traffic class
b. flow label
c. group ID
d. traffic exchange
Question 11CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
IP is an unreliable, connectionless protocol.
Select one:
True
False
Question 12CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What happens when a router receives a packet with a TTL of 0?
Select one:
a. The router resets the TTL to 128.
b. The router marks the packet as corrupted and forwards it to the next hop.
c. The router attempts to forward the traffic on a local network

d. The router drops the packet and sends an ICMP TTL expired message back to the host.

Question 13CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

By default, the pathping command sends how many pings per hop?

Select one:

a. 200

b. 50

c. 100

d. 500

Question 14CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What protocol replaces ARP, IGMP, and ICMPv4 on IPv6 based networks?

Select one:

a. ARPng

b. BGPv6

c. IGMPv6

d. ICMPv6

Question 15CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What type of routing protocol enables routers to communicate beyond neighboring routers, allowing each router to create a map of an entire network?

Select one:

a. map extension

b. link state

c. distance vector

d. exterior gateway

Question 16CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

The IP connectionless protocol relies on what other protocol to guarantee delivery of data?

Select one:

a. TCP

b. ICMP

c. ARP

d. UDP

Question 17CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What field in an IPv4 packet informs routers the level of precedence they should apply when processing an incoming packet?

Select one:

a. Time to Live (TTL)

b. Differentiated Services (DiffServ)

c. Internet header length (IHL)

d. Padding

Question 18CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What is NOT one of the three characteristics of TCP in its role as a reliable delivery protocol?

Select one:

a. Sequencing and checksums

b. Flow Control

c. Connection-oriented Protocol

d. Framing

Question 19CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What parameter can be combined with the traceroute command to instruct it to use ICMP echo requests instead of UDP datagrams?

Select one:

a. -p

b. -I

c. -n

d. -d

Question 20CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What netstat command option lists only current connections, including IP addresses and port numbers?

Select one:

a. -o

b. -s

c. -r

d. –n

Question 1CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Select the component of enterprise level structured cabling that serves as the location where an incoming network interface enters a building and connects with the building's backbone cabling:

Select one:

a. network interface device

b. main distribution frame

c. entrance facility

d. intermediate distribution frame

Question 2CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

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.
Select one:
True
False

Question 3CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Ethernet exists at what layer of the OSI model?
Select one:
a. Layer 2
b. Layer 3
c. Layer 4
d. Layer 1

Question 4CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What is the industry standard for rack height in rack units?
Select one:
a. 22U
b. 42U
c. 54U
d. 18U

Question 5CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
During termination of twisted pair cabling, what should be done to ensure minimal cross talk is introduced?
Select one:
a. Each pair should be twisted around another pair to reduce cross talk.
b. Each pair should be stripped of insulation so that it doesn't get caught in the jack.
c. No less than 1 inch of the cable should be exposed.

d. No more than 1 inch of the cable should be exposed.

Question 6CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What type of power converter changes the voltage of an AC current, such as when power over the main line from an electric company is changed before being delivered to a home?

Select one:

a. transformer

b. inverter

c. rectifier

d. voltage regulator

Question 7CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Equipment racks most commonly come in what two widths?

Select one or more:

a. 19 inch frame

b. 23 inch frame

c. 17 inch frame

d. 18 inch frame

Question 8CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

How far away from fluorescent lights or other sources of EMI should cable be installed?

Select one:

a. at least 5 feet

b. at least 3 feet

c. at least 10 feet

d. at least 20 feet

Question 9CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

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.

Select one:
True
False

Question 10CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Select the two Transport Layer protocols that are used by SANs:
Select one or more:
a. SATA
b. Fibre Channel
c. SAS
d. iSCSI

Question 11CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
A NIC card cannot determine whether the frames it transmits and receives are using IP packets or a different layer 3 protocol, because the NIC does not operate higher than Layer 2 of the OSI model.
Select one:
True
False

Question 12CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Which of the following options is not a likely source of electromagnetic interference?
Select one:
a. power lines

b. motors

c. microwaves

<mark>d. fiber optic cables</mark>

Question 13CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Which method of transmission allows signals to travel in both directions over a medium simultaneously?

Select one:

a. multiplex

b. simplex

c. half duplex

<mark>d. full-duplex</mark>

Question 14CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Select the maximum allowable distances for horizontal wiring for a span that connects a data jack on a wall to a data closet, and for a span that connects a workstation to the data jack, respectively:

Select one or more:

a. 100 m

<mark>b. 90 m</mark>

<mark>c. 10 m</mark>

d. 5 m

Question 15CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What cable type comes in two different modes, single mode and multimode?

Select one:

a. UTP

b. STP

c. Coaxial

d. <mark>Fiber optic</mark>

Question 16CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What type of power flaw involves a fluctuation in voltage levels caused by other devices on the network or by EMI?

Select one:

a. <mark>noise</mark>

b. blackout

c. surge

d. brownout

Question 17CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

If the use of a pre-existing Ethernet infrastructure is desired for a SAN, what Transport Layer protocol should be utilized?

Select one:

a. <mark>iSCSI</mark>

b. SAS

c. PATA

d. Fibre Channel

Question 18CompleteMark 2.50 out of 5.00 Not flaggedFlag question

Question text

Select the two terms below that are used to describe a UPS that provides continuous voltage to a device by switching virtually instantaneously to the battery when it detects a loss of power:

Select one or more:

a. <mark>standby UPS</mark>

b. offline UPS

c. standby power supply

d. <mark>failover power supply</mark>

Question 19CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

A power fluctuation that results in a temporary dimming of lights is known as a blackout.

Select one:

True

<mark>False</mark>

Question 20CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

The radius of the maximum arc into which you can loop a cable without impairing data transmission is known as what option below?

Select one:

a. arc coefficient

<mark>b. bend radius</mark>

c. flex rating

d. metal stress factor

Dashboard COMP COMP 4351.Network Administration.2016FLL.s1 Chapter 5 Qz5

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Grade   82.50 out of 100.00

Question 1CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

A continuity tester should not be used on a live network segment.

Select one:

<mark>True</mark>

False

Question 2CompleteMark 0.00 out of 5.00 Not flaggedFlag question

Question text

How many cable pairs are needed for 1000Base-T transmission over CAT5e cable?

Select one:

a. 8

b. 4

c. 2

d. 6

Question 3CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

The number of times that a wave's amplitude cycles from its starting point, through its highest amplitude and its lowest amplitude, and back to its starting point over a fixed period of time, is known as what term below?

Select one:

a. phase

b. wavelength

c. frequency

d. amplitude

Question 4CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

A device that is responsible for modulating digital signals into analog signals, and demodulating analog signals into digital signals at the receiving end, is known as?

Select one:

a. A multiplexer

b. A demuxer

c. A transceiver

d. A modem

Question 5CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Which option below reflects the standard impedance of an RG-6 cable?
Select one:
a. 60 ohms
b. 75 ohms
c. 50 ohms
d. 65 ohms
Question 6CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
What is the maximum supported throughput of a CAT6 cable?
Select one:
a. 100 Mbps
b. 1 Gbps
c. 10 Gbps
d. 100 Gbps
Question 7CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Using a form of transmission that allows multiple signals to travel simultaneously over one medium is known as which of the following options?
Select one:
a. modulating
b. embedding
c. multiplexing
d. coupling
Question 8CompleteMark 2.50 out of 5.00 Not flaggedFlag question
Question text

What two items below are commonly expressed as bits transmitted per second?
Select one or more:
a. frequency
b. throughput
c. amplitude
d. bandwidth
Question 9CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Ethernet is an example of what type of technology?
Select one:
a. narrowband
b. baseband
c. wideband
d. broadband
Question 10CompleteMark 5.00 out of 5.00 Not flaggedFlag question
Question text
Which of the following connectors is the most common for multimode fiber?
Select one:
a. SC
b. FC
c. MT-RJ
d. ST
Question 11CompleteMark 2.50 out of 5.00 Not flaggedFlag question
Question text
What is the maximum supported throughput and bandwidth / signal rate of Cat 5e?
Select one or more:
a. 350 MHz
b. 100 Mbps

c. 100 MHz

<mark>d. 1000 Mbps</mark>

Question 12CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What is the maximum distance for 10GBase-ER and 10GBase-EW on a segment of single mode fiber?

Select one:

<mark>a. 40km</mark>

b. 550m

c. 300m

d. 10km

Question 13CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Digital signals are composed of pulses of precise, positive voltages and zero voltages.

Select one:

<mark>True</mark>

False

Question 14CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What Ethernet standard below is also referred to as "thinnet"?

Select one:

a. 100Base2

b. 100BaseT

c. 10BaseT

<mark>d. 10Base2</mark>

Question 15CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

Multimode fiber contains a core that is larger than a single mode fiber core.

Select one:

True

False

Question 16CompleteMark 2.50 out of 5.00 Not flaggedFlag question

Question text

What two connector types are typically used to terminate RG-6 and RG-59 cables?

Select one or more:

a. ST couplers

b. f-connectors

c. BNC

d. J-hooks

Question 17CompleteMark 0.00 out of 5.00 Not flaggedFlag question

Question text

Phone companies make use of what type of multiplexing in order to allow for phone services and DSL services over the same line?

Select one:

a. DWDM

b. WDM

c. FDM

d. CWDM

Question 18CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

The most common multiplexing technology used in conjunction with fiber optics is which option below?

Select one:

a. CWDM

b. FDM

c. DWDM

d. WDM

Question 19CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

What term below is used to describe the outer-most layer of protective covering of a coaxial cable?

Select one:

a. sheath

b. shield

c. insulation

d. braiding

Question 20CompleteMark 5.00 out of 5.00 Not flaggedFlag question

Question text

WDM divides a beam of light into how many different wavelengths or colors?

Select one:

a. 20

b. 40

c. 30

d. 10