

Chapter 7 mis



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The 802.11 set of standards is known as

WLAN.

WAN.

WSN.

Wi-Fi.

WiMax. Wi-Fi. More than 50% of U. S. Internet users access the Internet via mobile devices.

True

False True A(n) _____ is a device that forwards packets of data through different networks, ensuring that the data gets to the right address.

telnet

hub

modem

router

packetrouter Which of the following is not a characteristic of packet switching?

Packets include data for checking transmission errors.

Packets travel independently of each other.

Packets are reassembled into the original message when they reach their destinations.

Packet switching requires point-to-point circuits.

Packets are routed through many different paths. Packet switching requires point-to-point circuits. A(n) _____ is a commercial organization with a permanent connection to the Internet that sells temporary connections to retail subscribers.

RSS

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FTP

NFP

WAN

ISPIPIv6 is being developed in order to

allow for different levels of service.

update the packet transmission protocols for higher bandwidth.

create more IP addresses.

support Internet2.

reduce excess IP addresses. create more IP addresses. The most appropriate

wireless networking standard for creating PANs is

Wi-Fi.

I-mode.

RFID.

IEEE 802. 11b.

Bluetooth. Bluetooth. Which of the following statements about RFID is not

true?

RFID tags and antennas come in a variety of shapes and sizes.

RFIDs require line-of-sight contact to be read.

RFIDs transmit only over a short range.

RFIDs use an antenna to transmit data.

Microchips embedded in RFIDs are used to store data. RFIDs require line-of-

sight contact to be read. The Internet is based on which three key

technologies?

TCP/IP, HTML, and HTTP

client/server computing, packet switching, and the development of

communications standards for linking networks and computers

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TCP/IP, HTTP, and packet switching

client/server computing, packet switching, and HTTP

e-mail, instant messaging, and newsgroups
client/server computing, packet switching, and the development of communications standards for linking networks and computers
The WiMax standard can transmit up to a distance of approximately

70 miles.

30 miles.

500 meters.

5 miles.

30 meters. 30 miles. A computer network consists of at least three computers.

True

False
False
Coaxial cable is similar to that used for cable television and consists of thickly insulated copper wire.

True

False
True
An NOS must reside on a dedicated server computer in order to manage a network.

True

False
False
TCP/IP was developed in the 1960s to enable university scientists to locate other computers on the Internet.

True

False
False
A network that covers entire geographical regions is most commonly referred to as a(n)

wide area network.

MAN.

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intranet.

local area network.

peer-to-peer network. wide area network. Digital subscriber lines

are assigned to every computer on the Internet.

are very-high-speed data lines typically leased from long-distance telephone companies.

operate over existing telephone lines to carry voice, data, and video.

operate over coaxial cable lines to deliver Internet access.

have up to twenty-four 64-Kbps channels. operate over existing telephone

lines to carry voice, data, and video. Bluetooth can be used to link up to

_____ devices within a 10-meter area using low-power, radio-based communication.

eight

five

twenty

two

fifteeneightShopping bots use _____ software for searching the Internet.

comparison

Web 3. 0

SEO

intelligent agent

Web 2. 0intelligent agentA(n) _____ signal is a discrete, binary waveform that transmits data coded into two discrete states such as 1-bits and 0-bits.

analog

digital

T1

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broadband

modulated digitalThe concept of a future Web in which it is commonplace for everyday objects to be connected, controlled or monitored over the Internet is called

the Semantic Web.

a 3-D Web.

Internet2.

the Internet of things.

Web 2. 0. the Internet of things. T1 lines

are high-speed, leased data lines providing guaranteed service levels.

operate over coaxial lines to deliver Internet access.

have up to twenty-four 64-Kbps channels.

operate over existing telephone lines to carry voice, data, and video.

do not provide guaranteed service levels, but simply " best effort." are high-

speed, leased data lines providing guaranteed service levels. A VPN

provides secure, encrypted communications using Telnet.

is an Internet-based service for delivering voice communications.

is a proprietary networking service technology developed by individual corporations.

is an encrypted private network configured within a public network.

is more expensive than a dedicated network. is an encrypted private network configured within a public network. Fiber-optic cable is more expensive and harder to install than wire media.

True

FalseTrue

The child domain of the root is the

second-level domain.

mid-tier domain.

host name.

domain extension.

top-level domain.

top-level domain. All of the following are physical components of an RFID system except

radio transmitters.

tags.

bar code.

a stationary or handheld device.

antenna. bar code. The method of slicing digital messages into parcels, transmitting them along different communication paths, and reassembling them at their destinations is called

ATM.

multiplexing.

packet shifting.

packet routing.

packet switching. packet switching." Predictive search" in Google's search engine

uses a knowledge graph of what similar people searched on to predict your search interests.

uses a semantic approach to predict what you are looking for.

predicts what you are looking for as you enter words into the query box.

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uses a tracking service and cookies on your browser to predict search results.

maintains a history of your searches and then predicts what you will search on next. predicts what you are looking for as you enter words into the query box. _____ integrate disparate channels for voice communications, data communications, instant messaging, e-mail, and electronic conferencing into a single experience.

Unified communications

Modems

Virtual private networks

Wireless networks

Intranets Unified communications In the domain name " http://books. azimuth-interactive. com", which element is the second-level domain?

none; there is no second-level domain in this name

azimuth-interactive

books. azimuth-interactive

com

books azimuth-interactive What service converts IP addresses into more recognizable alphanumeric names?

HTML

DNS

FTP

HTTP

IP DNS Which of the following statements is not true about search engines?

Users are increasingly using search engines on mobile devices.

They are monetized almost exclusively by search engine marketing.

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There are hundreds of search engines vying for user attention, with no clear leader having yet emerged.

They are arguably the Internet's " killer app."

They have solved the problem of how users instantly find information on the Internet. There are hundreds of search engines vying for user attention, with no clear leader having yet emerged. Which type of network would be most appropriate for a business that comprised three employees and a manager located in the same office space, whose primary need is to share documents?

SAN

domain-based LAN

MAN

WAN

peer-to-peer network peer-to-peer network Which signal types are represented by a continuous waveform?

analog

RFID

laser

digital

optical analog Web 3.0 is an effort to add a layer of meaning to the existing Web in order to reduce the amount of human involvement in searching for and processing Web information.

True

False True Circuit switching makes much more efficient use of the communications capacity of a network than does packet switching.

True

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FalseFalseWeb browser software requests Web pages from the Internet using which protocol?

FTP

HTTP

DNS

URL

HTMLHTTPVoIP technology delivers voice information in digital form using packet switching.

True

FalseTrue_____ monetizes the value of the data stored by search engines.

Search engine marketing

TCP/IP

WiMax

Wireless sensor networks

RSSSearch engine marketingWhich process is used to protect transmitted data in a VPN?

VOIP

chaining

PPP

tunneling

packet-switchingtunnelingRFID technology is being gradually replaced by less costly technologies such as WSNs.

True

FalseFalseBandwidth is the

number of cycles per second that can be sent through a medium.

geographical distance spanned by a network.

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number of frequencies that can be broadcast through a medium.

difference between the highest and lowest frequencies that can be accommodated on a single channel.

total number of bytes that can be sent through a medium per second.

difference between the highest and lowest frequencies that can be accommodated on a single channel. Mobile search makes up at least 50% of all Internet searches.

True

False True In a client/server network, a network server provides every connected client with an address so it can be found by others on the network.

True

False True In a large company today, you will often find an infrastructure that includes hundreds of small LANs linked to each other as well as to corporate-wide networks.

True

False True Together, a protocol prefix, a domain name, a directory path, and a document name, are called a(n) uniform resource locator.

IP address.

child domain.

root domain.

third-level domain. uniform resource locator. Which protocol is the Internet based on?

HTTP

FTP

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DNS

packet-switching

TCP/IP TCP/IP Which digital cellular standard is used widely throughout the world except the United States?

WLAN

4G

CDMA

GSM

LTDCSMA(n) _____ is software for locating and managing stored Web pages.

net server

hub

Web server

modem

router Web server The total amount of digital information that can be transmitted through any telecommunications medium is measured in Hertz.

bps.

baud.

gigaflops.

RPMs. bps. Which type of network is used to connect digital devices within a half-mile or 500-meter radius?

LAN

Wi-Fi

SAN

MAN

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WANLANWhat are the four layers of the TCP/IP reference model?

application, hardware, Internet, and network interface

physical, application, Internet, and network interface

application, transport, Internet, and network interface

physical, application, transport, and network interface

software, hardware, network interface, Internetapplication, transport,

Internet, and network interfaceWhich of the following is the first generation

of cellular systems suitable for watching videos?

2G

2. 5G

3. 5G

4G

3G4GCentral large mainframe computing has largely replaced client/server computing.

True

FalseFalseA hub is a networking device that connects network components and is used to filter and forward data to specified destinations on the network.

True

FalseFalseTelephone networks are fundamentally different from computer networks.

True

FalseTrueA network that spans a city, and sometimes its major suburbs as well, is called a

LAN.

WSN.

MAN.

WAN.

CAN. MAN. _____ combine the functionality of a cell phone with the computing of a laptop.

Netbooks

Smartphones

E-readers

Tablets

iPodsSmartphones4G networks use which standards?

LTE and WiMax

T-Mobile and AT&T

GSM and LTD

CDMA and PAN

LTE and LTDLTE and WiMaxThe most common Web server today is WebSTAR.

Apache HTTP Server.

Netscape Server.

Microsoft IIS.

IBM HTTP Server. Apache HTTP Server. In a telecommunications network architecture, a protocol is

a device that handles the switching of voice and data in a local area network.

a communications service for microcomputer users.

a pathway through which packets are routed.

a standard set of rules and procedures for control of communications in a network.

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the main computer in a telecommunications network. a standard set of rules and procedures for control of communications in a network. The backbone networks of the Internet are typically owned by long-distance telephone companies called

backbone providers.

enhanced service providers.

network service providers.

regional network providers.

internet bulk providers. network service providers. The process of employing techniques to help a Web site achieve a higher ranking with the major search engines is called

VPN.

SEM.

RSS.

SEO.

IAB. SEO. To use the analog telephone system for sending digital data, you must also use

a router.

DSL.

a modem.

twisted wire.

TCP/IP. a modem. In TCP/IP, IP is responsible for disassembling and reassembling of packets during transmission.

moving packets over the network.

establishing an Internet connection between two computers.

breaking messages down into packets.

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sequencing the transfer of packets. disassembling and reassembling of packets during transmission. Wikis allow visitors to change or add to the original posted material.

True

False True A(n) _____ is a box consisting of a radio receiver/transmitter and antennas that links to a wired network, router, or hub.

WiMax receiver

RFID receiver

hotspot

access point

hub access point The Domain Name System (DNS) converts domain names to IP addresses.

True

False True The device that acts as a connection point between computers and can filter and forward data to a specified destination is called a(n)

modem.

hub.

switch.

NIC.

router. switch. One or more access points positioned on a ceiling, wall, or other strategic spot in a public place to provide maximum wireless coverage

for a specific area are referred to as

wireless hubs.

hotspots.

touch points.

hot points.

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netcenters. hotspots. Two computers using TCP/IP can communicate even if they are based on different hardware and software platforms.

True

False True Instant messaging is a type of _____ service.

network

wireless

chat

e-mail

cellular chat The number of cycles per second that can be sent through any telecommunications medium is measured in kilobytes.

True

False False Which organization helps define the overall structure of the Internet?

IAB

W3C

none (no one "owns" the Internet)

The Department of Commerce (U. S.)

ICANN IAB What technology allows people to have content pulled from Web sites and fed automatically to their computers?

FTP

IPv6

RSS

HTTP

Bluetooth RSS Which of the following is not one of the top five search engines?

Yahoo

Microsoft Bing

Google

Ask

FacebookFacebookThe telephone system is an example of a _____ network.

peer-to-peer

wireless

circuit-switched

client/server

packet-switchedcircuit-switchedBased on your reading of the examples in the chapter, what would be the best use of RFID for a business?

lowering network costs

improving employee engagement

managing the supply chain

logging transactions

enabling client communicationmanaging the supply chainWeb sites that enable users to share information, collaborate, and create new services and content are called _____ sites.

second generation

mashup

first generation

third generation

new wavesecond generationWhich type of network treats all processors equally and allows peripheral devices to be shared without going to a separate server?

wireless

peer-to-peer

MAN

LAN

Windows domain networkpeer-to-peer ONCHAPTER 7 MIS SPECIFICALLY FOR
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