Mis 2223 ch. 10 quiz

You own a third-party business that provides networking services such as EDI, secure data, and information transfer, storage, and email. Into what category of business does this business fall? VAN

Wi-Fi networks easily can be integrated with wired Ethernet networks. True

A WLAN cannot communicate with a wired LAN. False

Consumers can purchase blank NFC tags at a reasonable cost and easily program them to perform certain actions. True

What is the term used to connect a device to a network that has an IP address? Node

The amount of data, instructions, and information that can travel over a communications channel sometimes is called which of the following? Bandwidth

Which of the following technologies is your new inventory tracking system at your small business most likely to use? UWB

A MAN typically includes one or more WANs like those shown in the accompanying figure, but covers a smaller geographic area than a LAN. False

Which of the following has a port to which a cable connects in order to coordinate the transmission and receipt of data, instructions, and information to and from the computer or device containing it? Network Interface Card

Users connected to a network have access to a software on the network. True

Which of the following is true of the installation of a network like the one shown in the accompanying figure? It can span a larger distance than a bus network, but it is more difficult.

Infrared (IR) is a wireless transmission medium that sends signals using infrared light waves. True

Each token ring network has several tokens. False

Which of the following statements best describes the Ethernet network standard? No central computer or device on the network should control when data can be transmitted.

Which of the following can detect problems — such as why traffic is flowing slowly — on networks that use the TCP/IP protocol? Packet Sniffer Software

Some mobile users have a wireless modem that uses a mobile phone provider's network to connect to the internet wirelessly from a computer or other mobile devices. True

For best performance of a communications channel, which of the following should be true? Bandwidth should be high and latency low

Which of the following is a 4G standard? LTE

What is another term for servers that control access to the hardware, software, and other network resources? Host Computers

On a client/ server network, the client sometimes is called a host computer. False

Which of the following is an earth-based reflective dish that contains the antenna, transceivers, and other equipment necessary for microwave communications? Microwave Station

On a ring network, if the hub fails the entire network is inoperable until the hub is repaired. False

Which of the following is the greatest problem with regard to a bus network? The bus itself might become inoperable.

Phone networks, the internet, and other networks with large amounts of traffic use ATM. True

Which of the following technologies is your new remote control most likely to use? IrDA

Your smartphone, digital camera, and printer are all part of a network in your workspace. What type of network is likely in use? PAN

A DSL modem converts digital signals to analog signals and vice versa so that data can travel along an analog phone line. False

How are standards such as EDI used by businesses? To define how data transmits across transmission media

The star topology is primarily used for LANs but it is also used in WANs. False

Which of the following has the fastest transfer rate? FTTP

Which of the following statements is not true of Wi-Fi? Even if two products are Wi-Fi Certified, they must share the same platform in order to communicate.

Which of the following is not a technology used by hot spots? UWB

What does EFT stand for? Electronic Funds Transfer

What is the term for a communications device that connects multiple computers together and transmits data to its correct destination on a network? A Router

Which of the following best describes DSL connections? Transmits at fast speeds on existing standard copper telephone wiring; popular for small business or home user

Which of the following communications technologies does not use broadcast radio signals? IR

As illustrated in the accompanying figure, on what kind of network must all of the computers and devices (nodes) on the network connect to a central device? Star Network

IP hijacking is one of the largest Internet security threats. True

Which one of the following technologies is your new mobile phone payment device most likely to use? NFC

The fifth generation of cellular transmissions is expected to provide artificial intelligence capabilities on wearable devices. True

Which network type connects each computer and device on a central device? A Star Network

What is the maximum transfer transmission rate for Bluetooth? 24 Mbps

How many feet can the range of Bluetooth devices be extended with additional equipment? 325

Bus networks are unpopular on LANs because they are expensive and difficult to install. False

Digital communications describes a process in which two or more computers or devices transfer all of the following EXCEPT _. Networks

What kind of communications device sends and receives data and information to and from a digital line, such as ISDN and cable? A Modem

You are purchasing a new mobile phone, and are learning about categories of cellular transmissions. You ask the sales person what the ' G' stands for in the categories 1G, 2G, 3G, and 4G. What does he reply? Generation

In a networked environment, no authorized computer user can access data and information stored on other computers on the network. False

In reference to computer communications, what does the term noise mean? Electrical Disturbances

With FTTP service, an optical terminal at your location receives the signals and transfers them to a router connected to a computer. True

What is a receiving device? A device that accepts the transmission of data, instructions, or information

How many wired and/ or wireless computers and mobile devices might a router be able to connect? More than 200

With TCP/ IP, each packet contains data as well as the recipient (destination), origin (sender), and the sequence information used to reassemble the data at the destination. True

ISDN is more widely used now than in the past. False

Which of the following enables a computer or device that does not have built-in networking capability to access a network? NIC

Which is the best description of a coaxial cable? A single copper wire surrounded by at least three layers

On a network such as the one illustrated in the accompanying figure, what kind of computer controls access to the hardware, software, and other resources on the network and provides a centralized storage area for programs, data, and information? Host

Which of the following is not true of peer-to-peer networks? The network operating system is stored on a network server.

Although it can connect any number of computers, a client/ server network typically provides an efficient means to connect 10 or fewer computers. False

A MAN usually is managed by a consortium of users or by a single network provider that sells the service to the users. True

On a network such as the one illustrated in the accompanying figure, if one node fails, as long as that node is not providing services to other nodes on the network, what happens? Only that node is affected

Microwave transmission involves sending signals from one microwave station to another. What is this often called? Fixed Wireless

ISDN and DSL are more widely used than cable. False

Which of the following offers an alternative to infrared communications with high bandwidth transmissions? Bluetooth

Which of the following is true of broadcast radio with regard to physical transmission media? It is slower and more susceptible to noise.

Fiber-optic cables have the capability of carrying significantly more signals than wire cables. True

Which group developed the WiMAX standard? IEEE

You run a large network in which it is important to keep a duplicate of the central devices in case the primary one fails. What category of network topology does this network use? Star Network

Which of the following can be avoided if a computer or mobile device has a motherboard that integrates networking capability? NIC

Which of the following technologies is your new wireless headset most likely to use? Bluetooth

As shown in the accompanying figure, which of the following kinds of networks is a network topology in which a cable forms a closed loop, with all computers and devices arranged along it? Ring

On a token ring network, a packet is a special series of bits that function like a ticket, allowing the device with the packet to transmit data over the network. False

Some smartphones can function as a wireless modem, called a mobile hot spot, when tethered to a personal computer. True

Wireless transmission media are used when it is impossible to install cables. True

Which of the following is not an application of communications satellite technology? Fixed Wireless

On network such as the one illustrated in the accompanying figure, some servers perform a specific task and can be placed with other servers to perform multiple tasks. What are these kind of servers call? Dedicated

As data moves through a network from one program to another, it can use at most one kind of network standard. False

What is a definition of a protocol, as it applies to networks? A standard that outlines characteristics of how network devices communicate

Depending on the transmission media used, Ethernet networks have data transfer rates that range from 10 Gbps for small office/ home users to 1000 Gbps for enterprise users. False

When users log off a P2P network like the one in the accompanying figure, other users still can access their hard disks. False

Which of the following defines guidelines that specify the way computers access the medium to which they are attached, the type(s) of medium used, the speeds used on different types of networks, and the type(s) of physical cable and/ or wireless technology used? Network Standard

Which of the following is a wireless transmission medium that distributes radio signals through the air over long distances? Broadcast Radio

ADSL is ideal for internet access because most users upload more information than they download from the internet. False

Only small networks use routers. False

Most of today's computer networks use coaxial cable. False

The main difference among network classifications is whether they are wired or wireless. False

In a fiber-optic cable, each strand, called an optical fiber, is as thin as a human hair. True

What is an NIC? A communications device that enables a computer or device that does not have a built-in networking capability to access a network

What type of media transmits multiple signals simultaneously? Broadband

Which of the following is not true of communications software? Email, FTP, and VoIP are examples of system software for communications.

Which of the following has the fastest maximum transfer rate? UWB

Which of the following is not an example of a dedicated line? Dial-up

Which of the following is the least likely technology PANs would use? Peer-to-peer

Network servers and web servers are examples of what type of server? Dedicated Servers

With ISDN, the same telephone line that could carry only one computer signal now can carry three or more signals at once through the same line, using a technique called multiplexing. True

Which of the following is a central communications device that allows computers and devices to transfer data wirelessly among themselves or to transfer data wirelessly to a wired network? Wireless Access Point

For radio transmissions, a transmitter is needed to send the broadcast radio signal and a receiver to accept it. True

What term describes the process in which two or more computers or devices transfer data, instructions, and information? Digital Communication

Which of the following is the maximum transfer rate for communications satellites? 2. 56 Tbps

Many home users are connecting multiple computers and devices together into a system. What is the name for this system? Home Network

Which of the following did Sven Mattisson and Jaap Haartsen invent? Bluetooth

An extranet essentially is a small version of the internet that exists within an organization. False

You are a technology expert and you have been asked to predict which technology will become the internet standard for data transmission, replacing the T3 lines. Which of the following are you most likely to predict? ATM

One advantage of bluetooth is its high bandwidth. False

Which of the following statements best describes a BAN? A set of wearable or implanted body sensors that turns the body into a human router

A star network consists of a single central cable, to which all computers and other devices connect. False

What is a sending device? A device that initiates an instruction to transmit data, instructions, or information

What is the approximate distance most bluetooth devices can be from each other to communicate, without using additional equipment? 33 feet

Who invented Ethernet? Robert Metcalfe

Contactless payment is a popular use of UWB technology. False

Which of the following is a communications device that connects multiple computers together and transmits data to its correct destination on a network? Router

What is the purpose of hubs and switches? To provide a central point for cables in a network

On what kind of network do one or more computers act as a server and the other computers on the network request services from the server? Client/ server

Which of the following defines how a network uses close-range radio signals to communicate between two devices or objects equipped with this technology? NFC

For smaller business and home networks, which of the following allows multiple computers to share a single broadband internet connection such as through a cable modem or DSL modem? Router

You want to use the UMB cellular transmission standard on your new mobile phone. Which standard will you use? 4G

The design of computers, devices, and media in a network is categorized as either client/ server or peer-to-peer. What is the term used to refer to this characterization? Network Architecture