

CGS2060 QUIZ 10

1. Which of the following has the fastest transfer rate? **FTTP**
2. 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 the wireless technology used? **Network standard**
3. The type of network shown in the accompanying figure, describes a network in which each computer has equal responsibilities and capabilities. What is this kind of network called? **P2P**
4. 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**
5. Which of the following is a LAN that uses no physical wires? **WLAN**
6. 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**
7. For best performance of a communications channel, which of the following should be true? **bandwidth should be high and latency low**
8. 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**
9. Which of the following is an earth-based reflective dish that contains the antenna, transceivers, and other equipment necessary for microwave communications? **Microwave station**
10. Which of the following terms is an electrical disturbance that can degrade communications? **Noise**
11. How many feet can the range of Bluetooth devices be extended with additional equipment? **325**
12. Digital communications describes a process in which two or more computers or devices transfer all of the following EXCEPT _____. **Networks**
13. Which of the following is a network standard that specifies no central computer or device on the network should control when data can be transmitted? **Ethernet**
14. What is the maximum transfer transmission rate for Bluetooth? **24 Mbps**
15. Which of the following is the maximum transfer transmission rate for communications satellites? **2.56 Tbps**
16. Which of the following is the data transfer rate equivalent to one million bits per second? **Mbps**
17. 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**
18. Who invented the Ethernet? **Robert Metcalfe**
19. Which of the following has the fastest transfer rate? **ATM**
20. 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**

21. Which of the following is a simple, inexpensive network that typically connects fewer than 10 computers? **Peer-to-peer network**
22. Microwave transmission involves sending signals from one microwave station to another. What is this often called? **Fixed wireless**
23. Which of the following is a wireless transmission medium that distributes radio signals through the air over long distances? **Broadcast radio**
24. Which of the following is true of broadcast radio with regard to physical transmission media? **It is slower and more susceptible to noise.**
25. Which of the following can be avoided if a computer or mobile device has a motherboard that integrates networking capability? **NIC**
26. Which of the following is the greatest problem with regard to a bus network? **The bus itself might become inoperable.**
27. How many wired and/or wireless computers and mobile devices might a router be able to connect? **More than 200**
28. Which of the following enables a computer or device that does not have built-in networking capability to access a network? **NIC**
29. Which of the following are radio waves that provide a high-speed signal transmission? **Microwaves**
30. 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**
31. The amount of data, instructions, and information that can travel over a communications channel sometimes is called which of the following? **Bandwidth**
32. Which of the following kinds of cable consists of a single copper wire surrounded by at least three layers: an insulating material, a woven or braided metal, and a plastic outer coating? **Coaxial**
33. Which of the following is a transmission media on which data, instructions, or information travel?
Communications channel
34. Which of the following terms is the time it takes a signal to travel from one location to another on a network?
Latency
35. Which of the following kinds of modems is a modem that sends and receives digital data over and information to and from a digital line? **Broadband**
36. 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**
37. 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.**
38. Which of the following is the least likely technology PANs would use? **Peer-to-peer**
39. Which of the following is not an application of communications satellite technology? **Fixed wireless**
40. Which of the following is true of DSL? **It is a popular digital line alternative for the small business or home user.**

41. On what kind of network, such as that illustrated in the accompanying figure, do one or more computers act as a server and the other computers on the network request services from the server? **Client/server**
42. On a 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**