Guide to Networking Essentials 9th edition Tomsho Test Bank

SKU: 9798214012667-TEST-BANK

Guide to Networking Essentials (9th)

ISBN 9798214012667 | Chapter 1: Introduction to Computer Networks

Total Questions: 35

Multiple Choice (18)

Q1. *[Multiple Choice] · Bloom's: Understand*

Networks were developed to facilitate communication between computing devices. However, there is a goal beyond this. What is it?

a) communication between devices
b) communication between people ✓ correct
c) communication between networks
d) communication between hosts

Q2. *[Multiple Choice] · Bloom's: Apply*

Jerry has a computer that continues to slow down when he uses multiple programs. He finds that information is temporarily saved on his hard drive while working. How could Jerry keep this situation from happening in the future?

a) Install a faster hard drive.
b) Install more memory. ✓ correct
c) Install 64-bit programs instead of 32-bit programs.
d) Install a better keyboard.

Q3. *[Multiple Choice] · Bloom's: Remember*

How many gigabytes are there in four terabytes?

a) 1000 GB
b) 2000 GB
c) 3000 GB
d) 4000 GB ✓ correct

Q4. *[Multiple Choice] · Bloom's: Apply*

What is the difference between the central processing unit and the graphics processing unit?

a) The GPU (graphics processing unit) is a computer component that interprets and executes instructions in a computer program or application such as a word processor or web browser, and the CPU (central processing unit) takes a high-level instruction such as "draw a circle" and performs the math calculations needed to draw the circle on the display device.
b) The GPU is only a backup of the CPU and takes the load off the CPU whenever the CPU is overtaxed.
c) The CPU (central processing unit) is a computer component that interprets and executes instructions in a computer program or application such as a word processor or web browser, and the GPU takes a high-level graphics instruction such as "draw a circle" and performs the math calculations needed to draw the circle on the display device. ✓ correct
d) The CPU is only a backup of the GPU and takes the load off the GPU whenever the GPU is overtaxed.

Q5. *[Multiple Choice] · Bloom's: Analyze*

Alicia is getting a new touch screen monitor. She tells her friend Jennifer that monitors are great input devices. Jennifer says to their friend, Alicia, that she is wrong. Why is Alicia wrong?

a) A touch screen monitor can be both an output device and an input device. ✓ correct
b) A touch screen monitor is only an output device.
c) A touch screen monitor is only an input device.
d) Alicia is wrong, there is no such thing as a touch screen monitor.

Guide to Networking Essentials 9th edition Tomsho Test Bank

Q6. *[Multiple Choice] · Bloom's: Remember*

Elijah is currently interning at Dua Corporation. His supervisor asked him about the four-tier model of network communications and challenged him to arrange the tiers in the correct order. Unfortunately, Elijah couldn't remember the sequence. Can you help him recall the correct order of the four tiers?

a) Network client software, Network interface, User application, Network protocol
b) User application, Network protocol, Network client software, Network interface
c) User application, Network client software, Network protocol, Network interface ✓ correct
d) Network interface, User application, Network protocol, Network client software

Q7. *[Multiple Choice] · Bloom's: Understand*

Cyrus works for a small company that has all of its computers in one location. He is setting up his network. What type of network is it?

a) local area network (LAN) ✓ correct
b) wide area network (WAN)
c) personal area network (PAN)
d) campus area network (CAN)

Q8. *[Multiple Choice] · Bloom's: Remember*

Mable works for a mid-size company with offices in several locations across the state. What type of network is this considered?

a) local area network (LAN)
b) wide area network (WAN) ✓ correct
c) metropolitan area network (MAN)
d) campus area network (CAN)

Q9. *[Multiple Choice] · Bloom's: Remember*

Beatrix works for a city government, and they want to put a new network up for a city park. What type of network is this called?

a) local area network (LAN)
b) wide area network (WAN)
c) metropolitan area network (MAN) ✓ correct
d) campus area network (CAN)

Q10. *[Multiple Choice] · Bloom's: Remember*

Dante works for a school that just received a grant to install a network covering the entire school grounds. What is this network called?

a) local area network (LAN)
b) wide area network (WAN)
c) metropolitan area network (MAN)
d) campus area network (CAN) ✓ correct

Q11. *[Multiple Choice] · Bloom's: Understand*

Debbie is assembling a network for office use only. What type of network is that?

a) Intranet ✓ correct
b) Internet
c) Extranet
d) Extantnet

Guide to Networking Essentials 9th edition Tomsho Test Bank

Q12. *[Multiple Choice] · Bloom's: Analyze*

Estella is working on a new network. Her company originally had only one office locally. Now, she has three offices in three different cities, so multiple routers and switches must be programmed. These LANs are all tied together. What is the specific term used to describe this network?

a) wide area network
b) local area network
c) internetwork ✓ correct
d) extranet

Q13. *[Multiple Choice] · Bloom's: Apply*

A packet is about to traverse a network, and there are several things that need to be added to it for the packet to move. One of these is the IP address. If there is a problem with the IP address, what happens?

a) The packet cannot be delivered. ✓ correct
b) The packet will still traverse the network and get to the proper recipient.
c) A trailer cannot be added to the packet.
d) Encapsulation cannot happen.

Q14. *[Multiple Choice] · Bloom's: Apply*

Angel is talking with a new employee about client systems and the software mainly designed to access network resources. What type of client is she talking about?

a) client software
b) client computer
c) client networking
d) client operating systems ✓ correct

Q15. *[Multiple Choice] · Bloom's: Analyze*

Celia recently had a wireless insulin pump added to her body. Her doctor told her she needed to be sure she had a LAN at home so they could monitor her glucose levels. However, the only thing Celia has at home is a laptop connected to the internet and her phone. The doctor didn't realize that the device could be monitored anytime and anywhere, so a LAN was unnecessary. How can the device be monitored without a LAN?

a) The device is Bluetooth-enabled so that she can add it to her phone. Her glucose levels can then be monitored using her phone's network. ✓ correct
b) The device has its own LAN.
c) The device is wireless and can connect to her home's wireless router.
d) She had to buy a LAN.

Q16. *[Multiple Choice] · Bloom's: Remember*

Brennan is concerned that the server that he is using for his network may die unexpectedly. Some of the newer software can switch between servers if one goes offline. What is that capability called?

a) duopoly
b) multi-tenancy
c) redundancy ✓ correct
d) round robin

Guide to Networking Essentials 9th edition Tomsho Test Bank

Q17. *[Multiple Choice] · Bloom's: Apply*

Inaya is a network administrator. Currently, she is running several servers with several types of directory services. Her boss comes in and tells her he has a new assistant and needs the assistant to have access to everything. What would be the best way to add the assistant as quickly as possible?

a) Add the assistant into each directory service as needed. This will allow Inaya to control what services they have access to.

b) Use Active Directory. This directory service allows an administrator to make user groups to which employees belong. Each category of employee has rights to specific services. The new assistant will get the rights to services that all assistants get. ✓ correct

c) Use the data services network. This network works faster than Active Directory and gives Inaya complete control of the assistant.

d) Use whois, that way Inaya can always see what the new assistant is up to.

Q18. *[Multiple Choice] · Bloom's: Evaluate*

Ansel needs to decide which network model to use. He has 15 employees starting, and they will need to share resources. They also have a security concern due to the nature of their business. Which network model would be best for Ansel's company?

a) peer-to-peer network

b) client-server network ✓ correct

c) workgroup network

d) workday network

Multiple Answer (17)

Q19. *[Multiple Answer] · Bloom's: Remember*

Which devices are always used to move network data from computer to computer and network to network? Choose all that apply.

a) fiber ✓ correct

b) switch ✓ correct

c) Ethernet ✓ correct

d) router ✓ correct

Q20. *[Multiple Answer] · Bloom's: Remember*

What are the basic tasks that all computers perform? Choose all that apply.

a) input ✓ correct

b) video ✓ correct

c) processing ✓ correct

d) audio ✓ correct

e) output ✓ correct

Q21. *[Multiple Answer] · Bloom's: Understand*

Which statements are true when discussing a computer bus ?

a) A computer bus is a collection of wires carrying data from one place to another on the computer. There are many bus designs and formats, each for a particular purpose. ✓ correct

b) A computer bus determines the types of software a computer can have. ✓ correct

c) A computer bus determines what kind of motherboard you can have. ✓ correct

d) All motherboards come with a computer bus for all types of expansion slots, and the faster and busier the computer is, the faster its bus type needs to be. ✓ correct

Q22. *[Multiple Answer] · Bloom's: Apply*

Terry is in the process of buying a new computer. They are looking for a computer that can handle fast calculations for spreadsheets and the occasional video watching, which will be downloaded to their computer, which will then be deleted. Name the most essential features their computer should have. Choose all that apply.

a) memory ✓ correct
b) hard drive size ✓ correct
c) graphics card ✓ correct
d) onboard camera ✓ correct
e) processor ✓ correct
f) network interface card (NIC) ✓ correct

Q23. *[Multiple Answer] · Bloom's: Remember*

Which of the following is considered a modern network medium? Choose all that apply.

a) fiber optic glass ✓ correct
b) electromagnetic waves ✓ correct
c) power cable ✓ correct
d) TV antennas ✓ correct

Q24. *[Multiple Answer] · Bloom's: Understand*

Different types of software allow computers to access a network. What are they? Choose all that apply.

a) network system software ✓ correct
b) network client software ✓ correct
c) network server software ✓ correct
d) network operations software ✓ correct

Q25. *[Multiple Answer] · Bloom's: Understand*

What are network protocols? Choose all that apply.

a) Network protocols define the rules and formats on how computer software works. ✓ correct
b) Network protocols define the rules and formats on how computers reach the Internet. ✓ correct
c) Network protocols define the rules and formats a computer uses when sending faxes. ✓ correct
d) Network protocols define the rules and formats a computer must use when sending information across the network. ✓ correct

Q26. *[Multiple Answer] · Bloom's: Remember*

What are the steps of network communication for the client?

a) An application tries to access a network resource by attempting to send a message to it. ✓ correct
b) Network server software detects the attempt to access the network. Client software formats the message generated by the application and passes the message on to the network protocol. ✓ correct
c) Network client software detects the attempt to access the network. Client software formats the message generated by the application and passes the message on to the network protocol. ✓ correct
d) The protocol packages the message in a format suitable for the network and sends it to the NIC driver. ✓ correct
e) The NIC driver packages the message in a format suitable for the network and sends it to the protocol to send it to the network. ✓ correct
f) The NIC driver sends the data in the request to the NIC, which converts it into the necessary signals to be transmitted across the network medium. ✓ correct

Guide to Networking Essentials 9th edition Tomsho Test Bank

Q27. *[Multiple Answer] · Bloom's: Remember*

A computer has two addresses, one logical and one physical. Which one is the physical address, and which one is the logical address? Choose all that apply.

a) DAC ✓ correct
b) IP ✓ correct
c) IPX ✓ correct
d) MAC ✓ correct

Q28. *[Multiple Answer] · Bloom's: Apply*

Astrid wants to set up a small network but does not want to directly connect them. What connection method should she use? Choose all that apply.

a) electrical outlet ✓ correct
b) wireless access point ✓ correct
c) switch ✓ correct
d) USB port ✓ correct

Q29. *[Multiple Answer] · Bloom's: Apply*

Abdiel wants to turn his old stand-alone computer into a networked computer. What does he need to install on his computer to get it to work on a network? Choose all that apply.

a) network server software ✓ correct
b) NIC (network interface card) ✓ correct
c) driver ✓ correct
d) network client software ✓ correct

Q30. *[Multiple Answer] · Bloom's: Apply*

Akari is trying to explain what a data packet is and what it does. The person she is explaining it to does not understand the concept. Explain, in simple terms, what a packet is and what a packet does. Choose all that apply.

a) A packet is a device that tells the network what protocol to use. ✓ correct
b) A packet is a chunk of data. ✓ correct
c) A packet has source and destination IP addresses (as well as other IP protocol information) added, allowing the packet of data to traverse a network. ✓ correct
d) A packet is a type of software located in a hub or switch that tells them how to work. ✓ correct

Q31. *[Multiple Answer] · Bloom's: Analyze*

Calista is talking to her colleague about how different the interpretation of a server has become. She is talking about her home lab and wants to set up a server on one of her old laptops. What basic requirements does she need in order to set up a server on her laptop? Choose all that apply.

a) server operating system ✓ correct
b) server computer ✓ correct
c) server hardware ✓ correct
d) server software ✓ correct

Q32. *[Multiple Answer] · Bloom's: Remember*

In a peer-to-peer network, computers can perform a couple of different functions. What are these functions? Choose all that apply.

a) client ✓ correct
b) router ✓ correct
c) switch ✓ correct
d) server ✓ correct

Q33. *[Multiple Answer] · Bloom's: Remember*

There are various types of software used in a networking environment. What are some examples of network operating systems?

a) Ubuntu ✓ correct
b) Red Hat Enterprise Linux ✓ correct
c) UNIX ✓ correct
d) ASM ✓ correct
e) C++ ✓ correct

Q34. *[Multiple Answer] · Bloom's: Remember*

There are some disadvantages of using a peer-to-peer network. What are they?

a) Every user must act as their own administrator. ✓ correct
b) Everyone has access to the resources they need. ✓ correct
c) They can bog down easily under increasing loads. ✓ correct
d) It is easier to handle accounts than with a client-server architecture. ✓ correct
e) To grant access, users must create user accounts and passwords for each user. ✓ correct

Q35. *[Multiple Answer] · Bloom's: Remember*

There are some advantages to using peer-to-peer networks, especially for small businesses. What are some of those advantages? Choose all that apply.

a) Peer-to-peer networks are easy to install. ✓ correct
b) Peer-to-peer networks can scale up just as easily as client-server networks. ✓ correct
c) Peer-to-peer networks usually require only a client OS on a desktop computer. ✓ correct
d) Peer-to-peer networks cost considerably less than client-server architecture. ✓ correct
e) Peer-to-peer networks are not security risks. ✓ correct

Guide to Networking Essentials 9th edition Tomsho Test Bank