

COMPTIA CN0-201 EXAM QUESTIONS & ANSWERS

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ExamSheets

DISCOVER CERTIFICATION EXAM ANSWERS

COMPTIA CN0-201 EXAM QUESTIONS & ANSWERS

Exam Name: CompTIA CTP+ Certification Exam

Exam A

QUESTION 1

Which of the following statements are true about routers?

Each correct answer represents a complete solution. Choose all that apply.

- A. Routers organize addresses into classes, which are used to determine how to move packets from one network to another.
- B. Routers act as protocol translators and bind dissimilar networks.
- C. Routers are responsible for making decisions about which of several paths network (or Internet) traffic will follow.
- D. Routers do not limit physical broadcast traffic.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Which of the following techniques allows multiple computers to share one or more IP addresses?

- A. WINS
- B. DNS
- C. DHCP
- D. NAT

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following is the broadcast address for all nodes on a TCP/IP network?

- A. 10.1.1.1
- B. 255.255.255.255
- C. 1.1.255.255
- D. 192.168.1.1

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Voice over IP is an application that requires efficient use of bandwidth and reliability. VoIP must not suffer the delays that can be seen at times with Web sites and Web applications. Which technology can be used to help ensure the efficient transport of VoIP traffic?

- A. RTP
- B. DNS
- C. QoS
- D. FTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

Which of the following protocols provides sequence numbers to VoIP packets?

- A. TCP
- B. RTP



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- C. SCCP
- D. UDP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following parameters are generally used to describe quality of service for IP-based voice and video?

Each correct answer represents a complete solution. Choose all that apply.

- A. Bandwidth
- B. Latency
- C. Packet loss
- D. Jitter

Correct Answer: ABCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

You work as a Network Administrator for McNeil Inc. The company has a TCP/IP-based network. Performance of the network is slow because of heavy traffic. A hub is used as a central connecting device in the network.

Which of the following devices can be used in place of a hub to control the network traffic efficiently?

- A. Repeater
- B. Router
- C. Switch
- D. Bridge

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Which of the following protocols is responsible for host-to-host communication services?

- A. ARP
- B. IP
- C. TCP
- D. IMAP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

Which of the following is the process of rewriting source and destination addresses of IP packets as they pass through a router or firewall?

- A. PAT
- B. Supernetting
- C. SNAT
- D. NAT

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Andrea works as a Technical Representative for KBC Inc. The company has provided two PBXs of different manufacturers to Andrea and she wants to connect these PBXs and ensure that these interconnected PBXs retain their basic and supplementary services. Which of the following protocols should Andrea use to accomplish the task?

- A. H.450
- B. Q.931
- C. QSIG
- D. H.225.0

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

Which of the following layers of the OSI model is responsible for the auto detection process of the IP telephone power requirement?

- A. Application layer
- B. Physical layer
- C. Data link layer
- D. Presentation layer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Which of the following standards defines call intrusion supplementary service?

- A. H.450.10
- B. H.450.12
- C. H.450.9
- D. H.450.11

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

Which of the following standards defines call transfer supplementary service?

- A. H.450.3
- B. H.450.2
- C. H.450.1
- D. H.450.4

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

In which of the following OSI model layers does VLAN operate?

- A. Data link layer
- B. Application layer
- C. Network layer
- D. Transport layer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

Which of the following correctly describes the IPv6 address?

- A. In an IPv6 address, each of the ten fields is separated by a colon.
- B. In an IPv6 address, each of the eight fields is separated by a colon.
- C. In an IPv6 address, each of the 16-bit fields is separated by a colon.
- D. In an IPv6 address, each of the seven fields is separated by a colon.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

Which of the following is compulsory to have internet connectivity to multiple Internet Service Providers (ISP)?

- A. IGMP
- B. BGP-4
- C. RIP
- D. IPX

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

Which of the following protocols is used for signaling between Private Branch Exchanges (PBXs) and Private Integrated Services Network (PISN)?

- A. H.248
- B. QSIG
- C. H.225
- D. H.450

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following are the four access categories defined by the Wireless Multimedia Extensions?

- A. Standard, Best effort, Video, and Voice
- B. Voice, Video, Best effort, and Background
- C. Standard, Voice, Video, and Network Control
- D. Best effort, Voice, Video, and Network Control

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which of the following is NOT an element of a Call Detail Record (CDR)?

- A. Caller
- B. Amount billed
- C. Duration
- D. IP address of calling host

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following terms is also used for the H.263 protocol?

- A. Data sharing
- B. Call recording
- C. Video conferencing
- D. Audio conferencing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Which of the following is a system that manages VoIP call volumes?

- A. QPM
- B. CAC
- C. MQC

D. RTCP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

Which of the following codecs mostly produces the highest quality sound?

A. G.726

B. G.722

C. G.727

D. G.711

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which of the following priority values of 802.1p defines network control?

A. 6

B. 4

C. 5

D. 7

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

According to the G.711 codec, how many analog samples occur per second during Pulse Code Modulation (PCM)?

A. 9000

B. 8000

C. 10,000

D. 7000

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

What is the traditionally defined value for the resulting data rate of Pulse Code Modulation (PCM)?

- A. 64 Kbps
- B. 32 Kbps
- C. 16 Kbps
- D. 128 Kbps

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

Which of the following T.120 recommendations includes multipoint communication service?

- A. T.122
- B. T.121
- C. T.123
- D. T.124

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

Realtime Transport Protocol (RTP) operates on top of various protocols. Which of the following protocols is commonly implemented with RTP?

- A. NTP
- B. UDP
- C. STP
- D. SIP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

Which of the following protocols defines store-and-forward faxing?

- A. T.37
- B. T.127
- C. T.30
- D. T.128

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following is used by a technician to look at the contents of ICMP messages?

- A. Traceroute
- B. Cable analyzer
- C. Ping
- D. Protocol analyzer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following terms is also used for the H.263 protocol?

- A. Audio conferencing
- B. Data sharing
- C. Call recording
- D. Video conferencing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following DoS attacks attempts to block service or reduce activity on a host by sending ping requests directly to the victim?

- A. Teardrop attack
- B. Ping flood attack
- C. Land attack
- D. SYN flood attack

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following ITU recommendations explains the standard for store-and-forward fax transmission over IP networks?

- A. Q.931

- B. S.47
- C. T.37
- D. T.38

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33

Which of the following layers of the OSI model ensures that messages are delivered in the order in which they are sent, and that there is no loss or duplication?

- A. Transport layer
- B. Physical layer
- C. Presentation layer
- D. Session layer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34

Which of the following statements correctly describes T.120?

- A. T.120 is an international standard for data conferencing.
- B. T.120 is an international standard for video conferencing.
- C. T.120 is an international standard for instant messaging.
- D. T.120 is an international standard for audio conferencing.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35

Which of the following layers of the OSI model will you use as a mean for deploying prioritization on the LAN with 802.1p?

- A. Session layer
- B. Application layer
- C. Presentation layer
- D. Data link layer

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 36

Which of the following is an example of a private IP address?

- A. 172.16.0.1
- B. 192.178.45.53
- C. 192.0.168.2
- D. 172.36.8.36

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

A Which of the following are encapsulated components present in the PDU while data transmission is taking place to the session layer?

- A. Data, application header, and presentation header
- B. Application header and presentation header
- C. Data, transport header, and presentation header
- D. Application header and transport header

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

Which of the following services translates private network addresses into public ones?

- A. DNS
- B. NAT
- C. DHCP
- D. WINS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Which of the following are the two types of jitter buffers?

- A. Static and dynamic
- B. Active and electric
- C. Static and electric

D. Active and passive

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

All of the following describe the protocols that can be implemented in an H.323 gateway to help traverse firewalls except for which one?

A. H.460.18

B. H.460.19

C. H.460.17

D. H.460.24

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Realtime Transport Protocol (RTP) operates on top of various protocols. Which of the following protocols is commonly implemented with RTP?

A. STP

B. NTP

C. UDP

D. SIP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following is the most important element to verify while designing an SIP implementation for an existing network?

A. Fire-grade cabling

B. QoS

C. Fault tolerance

D. Web server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following is used to connect the Foreign Exchange Station (FXS) of an ATA to an analog phone?

- A. RJ-11 connector
- B. USB connector
- C. RJ-45 connector
- D. F connector

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following protocols is also known as the Media Gateway Control (Megaco) protocol?

- A. SIP
- B. H.248
- C. RTCP
- D. H.323

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following is the most significant cause of interference for Wi-Fi communications?

- A. Television equipment
- B. Radio
- C. Ipod
- D. 2.4 GHz cordless phone

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

Which of the following standard ports should you open for T.120 on your corporate firewall?

- A. TCP port 1725
- B. TCP port 1503
- C. UDP port 1745
- D. UDP port 1550

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Which of the following layers provides mechanisms to transport data between network devices through error checking, service addressing, and segmentation?

- A. Network layer
- B. Data link layer
- C. Session layer
- D. Transport layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following is a part of the network connection and could be a cause of jitter?

- A. Switch
- B. The delaying router interface
- C. The sending router interface
- D. Gateway

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following is an R value that indicates testers are satisfied with a call over a wireless connection?

- A. 50
- B. 91
- C. 5
- D. 21

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

What is the highest Mean Opinion Score (MOS) value?

- A. 3

- B. 2
- C. 5
- D. 4

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following is an audio data compression algorithm for voice that compresses digital voice in packets of 10 milliseconds duration?

- A. G.711
- B. H.320
- C. H.323
- D. G.729

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Exam B

QUESTION 1

h323 is a group of protocols defined by the International Telecommunication Union for multimedia conferences over Local Area Networks. H.323 uses ASN.1 binary code. Which of the following layers of the OSI model is responsible for translating, processing, and reading ASN.1 and ASCII messages?

- A. Presentation layer
- B. Transport layer
- C. Application layer
- D. Physical layer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Which of the following devices is used to make decisions based on MAC addresses and is considered the most appropriate device to use when limiting broadcast domains for devices that will process voice data?

- A. Layer 3 switch
- B. Repeater
- C. Layer 2 switch
- D. MCU

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following are endpoints in Cisco Unified Communications?

Each correct answer represents a complete solution. Choose two.

- A. Switches
- B. Routers
- C. Gateways
- D. IP phones

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Which of the following is a mechanism used by the Multimedia Extensions (WME) standard to avoid contentions in a particular traffic category?

- A. Sliding Window Protocol
- B. Contention Window (CW)
- C. Auto-Rate Fallback
- D. Maximum Segment Size (MSS)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

You work as a network consultant for Net World International. You are designing a network for a client company. The proposed network will use a class B address for its network. The network will be divided into thirty-two subnets. Which of the following subnet masks will you use to design the network?

- A. 255.255.252.0
- B. 255.252.0.0
- C. 255.255.248.0
- D. 255.248.0.0

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following statements are true about session hijacking?

Each correct answer represents a complete solution. Choose all that apply.

- A. Use of a long random number or string as the session key reduces session hijacking.
- B. It is used to slow the working of victim's network resources.
- C. TCP session hijacking is when a hacker takes over a TCP session between two machines.
- D. It is the exploitation of a valid computer session to gain unauthorized access to information or services in a computer system.

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

Rick, an administrator of a TCP/IP network, wants to achieve the following goals:

- Reduce congestion of network traffic.
- Optimize the utilization of the IP address space.

Which of the following technologies may help him to accomplish the task?

- A. Pinging

- B. Supernetting
- C. Routing
- D. Subnetting

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Which of the following are examples of interactive communication?

Each correct answer represents a complete solution. Choose all that apply.

- A. Video Conferencing
- B. E-mail
- C. Fax
- D. Phone call

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

Which of the following protocols provides sequence numbers to VoIP packets?

- A. TCP
- B. RTP
- C. UDP
- D. SCCP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

You have just set up a wireless network for customers at a coffee shop. Which of the following are good security measures to implement?

Each correct answer represents a complete solution. Choose two.

- A. Not broadcasting SSID
- B. MAC filtering the router
- C. Using WEP encryption
- D. Using WPA encryption

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

Which of the following protocols is used by VoIP applications for communication initiation in the network?

- A. TLS
- B. NTP
- C. SIP
- D. SSH

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Which of the following standards designates international numbering plans for devices connected to the PSTN?

- A. E.164
- B. ITU-T
- C. IETF
- D. T-161

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

You work as a Network Administrator for McNeil Inc. The company has a TCP/IP-based network. Performance of the network is slow because of heavy traffic. A hub is used as a central connecting device in the network. Which of the following devices can be used in place of a hub to control the network traffic efficiently?

- A. Repeater
- B. Router
- C. Switch
- D. Bridge

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following layers of the OSI model manages communication between communication entities in a network?

- A. Presentation
- B. Network
- C. Transport
- D. Session
- E. Application

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

When a phone is lifted off-hook, it connects the two wires causing an electrical signal to flow from the phone exchange to the phone. What is this electrical signal called?

- A. Off-hook signal
- B. Ground start signal
- C. Loop start signal
- D. On-hook signal

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

Trace analysis tools, management tools, and NBAR are used while implementing QoS policies. Which of the following tasks is performed by these tools during implementation of QoS policies?

- A. Defining policies
- B. Network audit
- C. Network security configuration
- D. Division of traffic into classes

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

Andrew has received a call from a user on a land line indicating that she cannot place calls with her VoIP softphone, but she can check her e-mail. What is the first step that Andrew should take to resolve this problem?

- A. Execute ping command on her PC.
- B. Log the problem.
- C. Execute the ipconfig command on her PC.
- D. Instruct her to ping the call manager.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following types of attack can guess a hashed password?

- A. Evasion attack
- B. Denial of Service attack
- C. Teardrop attack
- D. Brute force attack

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which of the following ports must be opened on the firewall for the VPN connection using the Point-to-Point Tunneling Protocol (PPTP)?

- A. TCP port 53
- B. TCP port 443
- C. TCP port 563
- D. TCP port 1723

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following techniques allows multiple computers to share one or more IP addresses?

- A. DHCP
- B. WINS
- C. NAT
- D. DNS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Which of the following address translation types only translates one (and only one) IP address to another

without using ports?

- A. Static NAT
- B. PAT
- C. Dynamic NAT
- D. NAT

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

You are required to configure an SIP phone. While accomplishing the task, you should also specify the standard codec for toll-grade quality. Which of the following codecs will you choose to accomplish the task?

- A. G.711
- B. G.729
- C. G.723
- D. G.726

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which of the following components of a VoIP network allows users to view video streams and hear audio that originates at a remote user station?

- A. Call agent
- B. MCU
- C. IP Phones
- D. Videoconference station

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following are the reasons why DiffServ model is better than the IntServ model for scaling?

Each correct answer represents a complete solution. Choose all that apply.

- A. It keeps flow state on each node.
- B. It continuously signals to maintain reservation.
- C. It requires complex configuration to match criteria for each possible flow.
- D. It is a flow based architecture

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

Cisco Unified Contact Center is used to distribute calls to groups and agents in organizations. It uses computer telephony integration (CTI). What is the function of CTI?

- A. Popping up a window on the user's computer screen with caller details
- B. Preventing users' computers from unwanted intrusions
- C. Rejecting unwanted calls
- D. Scheduling calls to specific users

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

Which of the following ports are used by H.323 protocol?

Each correct answer represents a complete solution. Choose all that apply.

- A. UDP ports 1718 and 1719
- B. TCP ports 110
- C. TCP ports 1720 and 1503
- D. TCP ports 25

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

Which of the following devices works at the data link layer of the OSI model and is therefore an ideal device for creating a new broadcast domain for a voice device?

- A. Hub
- B. Switch
- C. Router
- D. Bridge

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

John works as a CCNA Voice Associate; he is working in a company that is facing the problems of Jitter, delay, and packet loss in its VoIP network. John wants to fix all these issues, but he is unable to find the main cause of these problems. Which of the following is the most likely reason for these issues?

- A. Voice VLAN is not configured.
- B. There is lack of bandwidth.
- C. The company and the service provider are located far from each other.
- D. An audio codec is wrongly configured.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following are the benefits of using Virtual local area network (VLAN) in a company's network?

Each correct answer represents a complete solution. Choose all that apply.

- A. It prevents adware and spyware from infecting the network.
- B. It simplifies adding and moving hosts on the network.
- C. It improves security, as broadcasts are limited.
- D. It allows access to network services based on a department, not the physical location.

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following layers of the OSI model is responsible for converting between ASCII and EBCDIC?

- A. Data link layer
- B. Application layer
- C. Session layer
- D. Presentation layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following are the actual portions of the telephone number as defined in the North American Numbering Plan?

Each correct answer represents a complete solution. Choose all that apply.

- A. Number Plan Area
- B. Caller Identification Code
- C. Custom Rings
- D. Central Office Code

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following are the key steps that must be taken while planning and implementing QoS policies?

Each correct answer represents a part of the solution. Choose three.

- A. Divide traffic into classes.
- B. Identify traffic and its requirement.
- C. Remove unnecessary protocols.
- D. Define policies for each traffic class.

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

Henry works as a Technician for BlueWells Inc. One of his customers complains that there is a degraded clocking source in their wide area network. Which of the following terms will you use to better describe this situation?

- A. Latency
- B. Jitter
- C. Attenuation
- D. Wander

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Session Border Controllers (SBCs) commonly maintain full session state. Which of the following functions are offered by a Session Border Controller?

Each correct answer represents a complete solution. Choose all that apply.

- A. Regulatory
- B. Availability
- C. Statistics

- D. Connectivity
- E. Quality of service
- F. Security

Correct Answer: ACDEF

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

Which of the following gateways connects an IP telephony network to POTS?

- A. Analog trunk gateway
- B. Digital trunk gateway
- C. Digital station gateway
- D. Analog station gateway

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

Which of the following depicts the ability to smoothly combine e-mail, voice, real-time applications, and Web chat features for a call center representative to use?

- A. Automatic call distributor
- B. Computer telephony integration
- C. Silence suppression
- D. Multi-channel blending

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Mark works as a Voice technologies associate for PassGuide Inc. His company uses Cisco IP phones for its voice network. He wants to use a protocol that can be used for communication between Cisco UCM and terminal points. He also wants the protocol to provide a facility to make quick changes to it and add needed features and functionality. Which of the following protocols will he use for the network?

- A. H.323
- B. SCCP
- C. SIP
- D. MGCP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

Mike works as a Technician for Umbrella Inc. The company is using symmetric Network Address Translation (NAT) in their network. Mike requires a workaround for the SIP devices. Mike is using IP phones from multiple vendors, as well as open source SIP clients. Which of the following solutions will work to allow the SIP implementation to pass through the NAT solution?

- A. TURN
- B. STUN
- C. 802.1p
- D. UPnP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Voice over IP is an application that requires efficient use of bandwidth and reliability. VoIP must not suffer the delays that can be seen at times with Web sites and Web applications. Which technology can be used to help ensure the efficient transport of VoIP traffic?

- A. RTP
- B. QoS
- C. FTP
- D. DNS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which of the following common IP services allows a customer to connect to the Internet with the help of private IP addressing?

- A. DHCP
- B. NDIS
- C. DNS
- D. NAT

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

You work as a technician for TechPerfect Inc. There are up to 25 telecommuters using VoIP at any given time. You want to ensure that the Web browsing performed by the valid users on your network does not interfere with the required bandwidth for VoIP communications across the Internet. Which of the following technologies will allow you to ensure that the users can browse the Internet while not allowing these users to thwart the operations of the telecommuters?

- A. Traffic generator
- B. Packet filtering
- C. Traffic policing
- D. Traffic shaping

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following have the specifications that a VLAN has?

Each correct answer represents a complete solution. Choose two.

- A. Broadcast domain
- B. Collision domain
- C. Intranet VPN
- D. IP subnet

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following VTP modes cannot make any changes to the VLAN database?

- A. VTP client
- B. VTP server
- C. VTP transparent
- D. VTP administrator

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

You are working as a Voice Administrator in a company that is facing the problems of jitter, delay, and packet loss in its VoIP network. You want to fix all these issues. Which of the following is the most likely reason for these issues?

- A. There is lack of bandwidth.
- B. Voice VLAN is not configured.
- C. An audio codec is wrongly configured.
- D. The company and the service provider are located far from each other.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following gateway interfaces connects to the standard station port of a PBX?

- A. MCU
- B. E&M
- C. FXS
- D. FXO

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

Adam works as a Technician for PassGuide Inc. He has been asked to recommend an appropriate network bandwidth for a medium to large business. The company will use it for the IP phones, as well as for the data connection. Which of the following would Adam recommend?

- A. ISDN BRI
- B. DS1
- C. DS0
- D. ISDN PRI

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Mike works as a Sales Engineer for KBC Inc. He needs a device that will allow him to create a bridge between several users and allow the same video and voice stream to be shared. Which of the following devices should Mike use to meet this requirement?

- A. Packet filtering firewall
- B. Gatekeeper
- C. Session Border Controller (SBC)
- D. Multipoint Control Unit (MCU)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following is the process of rewriting source and destination addresses of IP packets as they pass through a router or firewall?

- A. SNAT
- B. Supernetting
- C. PAT
- D. NAT

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following protocols prevents undesirable loops in a switched network?

- A. IGRP
- B. CDP
- C. VTP
- D. STP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Henry works as a Sales Engineer for BlueWells Inc. Sam, a customer, has asked him to create a solution that allows an application to be shared across the internet. The solution should be extensible and based on industry standards. The solution should not use a proprietary protocol and the application should be delivered to multiple recipients at the same time. The solution should also be robust, as clients will be using the application from Macintosh, Windows, and Linux systems. Which of the following protocols should Henry choose to fulfill Sam's requirement?

- A. T.37
- B. T.120
- C. H.323
- D. SIP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following is also known as IP telephony or Internet telephony?

- A. Bluetooth
- B. ISDN
- C. TCP/IP
- D. VoIP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Which of the following protocols is used for Voice over IP (VOIP) solutions?

- A. MGCP
- B. RTMP
- C. RTSP
- D. RTP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

Which of the following allows PBX to determine the route an outbound call should follow?

- A. Gateway
- B. Router
- C. Automatic Route Selection (ARS)
- D. Automatic Call Distributor (ACD)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Exam C

QUESTION 1

Harry works as a Technician for NetPerfect Inc. He has been assigned a project to connect a North American T-1 trunk to a European E-1 trunk using a conversion device. Which of the following will result?

- A. No more than 80% of the E-1 trunk can be used.
- B. The connection will fail.
- C. No connection can be made in between the E-1 trunk and T-1 trunk.
- D. No less than 80% of the T-1 trunk can be used.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Mark works as a Network Administrator for PassGuide Inc. The company has a Windows-based network. The California branch of PassGuide has been divided into two buildings in the same campus. The company wants to interconnect these two buildings for proper communication among all the departments. Which of the following network types should Mark use to accomplish the task?

- A. CAN
- B. LAN
- C. MAN
- D. WAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Voice over IP is an application that requires efficient use of bandwidth and reliability. VoIP must not suffer the delays that can be seen at times with Web sites and Web applications. Which technology can be used to help ensure the efficient transport of VoIP traffic?

- A. RTP
- B. QoS
- C. DNS
- D. RSTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Which of the following is used to maximize the efficient utilization of LAN media?

- A. Bridge
- B. Router
- C. Hub
- D. Switch

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

John works as a Sales Engineer for KBC Inc. He has been assigned a project to install a soft phone on different computers. One of the computer systems on the LAN is experiencing problems in voice quality. Which of the following actions should John perform to resolve the problem?

- A. Add more system RAM.
- B. Upgrade the computer system.
- C. Upgrade the Network Interface Card (NIC).
- D. Upgrade the network cable to category 6 cabling.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

You are implementing a Voice over Wireless LAN network. Which of the following voice-specific requirements will you consider to ensure that voice traffic is received timely or not?

- A. Roaming
- B. Intelligent client
- C. Security
- D. Quality of service

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

You work in a company that accesses the Internet frequently. This makes the company's files susceptible to attacks from unauthorized access. You want to protect your company's network from external attacks. Which of the following options will help you in achieving your aim?

- A. Gopher
- B. FTP
- C. Firewall
- D. HTTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

John works as a Technician for Blue Tel Inc. He notices errors in a routing table. Which of the following layers of the OSI model is associated with this situation?

- A. Network Layer
- B. Application Layer
- C. Data Link Layer
- D. Transport Layer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

You work as a Network Administrator for PassGuide Inc. You have implemented a firewall on the company's network. You want to ensure that outside users cannot access the internal FTP servers on the network. What will you do to accomplish the task?

- A. Block the TCP ports 20 and 21 on the firewall.
- B. Block the TCP port 443 on the firewall.
- C. Block the TCP port 80 on the firewall.
- D. Block the UDP port 1701 and TCP port 1723 on the firewall.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

For outside cabling, which of the following cable types is most immune to the effects of lightning?

- A. Coaxial
- B. Unshielded Twisted Pair (UTP)
- C. Shielded Twisted Pair (STP)
- D. Fiber optic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

Which of the following applications provides an ACD service for a Cisco VoIP network?

- A. Automated Attendant
- B. Cisco Unified Contact Center
- C. UC500
- D. Cisco Unified Mobility

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Andrea works as a Technical Representative for KBC Inc. The company has provided two PBXs of different manufacturers to Andrea and she wants to connect these PBXs and ensure that these interconnected PBXs retain their basic and supplementary services. Which of the following protocols should Andrea use to accomplish the task?

- A. H.450
- B. Q.931
- C. QSIG
- D. H.225.0

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

John works as a Network Administrator for NetPerfect Inc. The company has a Windows-based network. John has been assigned a project to build a network for the sales department of the company. It is important for the LAN to continue working even if there is a break in the cabling.

Which of the following topologies should John use to accomplish the task?

- A. Mesh
- B. Star
- C. Bus
- D. Ring

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following VLAN Trunk Protocol (VTP) modes is used to create, modify, and delete VLANs?

- A. Transparent

- B. VTP server
- C. VTP client
- D. Exchange

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

You work as a Network Administrator for NetTech Inc. The company has a wireless local area network (WLAN). You want to prevent your wireless access point from being accessed by intruders. What will you do to accomplish the task?

- A. Implement WEP.
- B. Implement auditing.
- C. Implement IPsec.
- D. Implement SSL.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

In which of the following service classes can you divide the network traffic before implementing QoS?

Each correct answer represents a part of the solution. Choose three.

- A. Voice payload
- B. Voice and video signal traffic
- C. Video payload
- D. Data traffic

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

You work as a technician for McNeil Inc. You want to capture packets linked to SIP and HTTP using the same application. Which of the following monitoring tools will you use to accomplish the task?

- A. SIP analyzer
- B. Spectrum analyzer
- C. Traffic generator
- D. Protocol analyzer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following is the broadcast address for all nodes on a TCP/IP network?

- A. 1.1.255.255
- B. 192.168.1.1
- C. 10.1.1.1
- D. 255.255.255.255

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Fill in the blank with the appropriate word.

_____ is a type of digital or (rarely) analog multiplexing in which two or more signals or bit streams are transferred apparently simultaneously as sub-channels in one communication channel, but are physically taking turns on the channel.

- A. TDM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following OSI layers is responsible for a reliable connection between two hosts on a TCP/IP network?

- A. Data-Link layer (layer 2)
- B. Session layer (layer 5)
- C. Physical layer (layer 1)
- D. Network layer (layer 3)
- E. Transport layer (layer 4)

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Harry works as a Technician for KBC Inc. He has just installed a wireless access point that he plans to use for

voice and video calls. Which of the following is an essential setting to put in place so that Harry can prioritize multiple traffic streams?

- A. MAC address filtering
- B. Multiple SSID entries
- C. Larger MTU settings
- D. Multiple default gateways

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

Mark is a technician for McNeil Inc. He is implementing a video conferencing over IP solution. He wants to ensure that he has sufficient bandwidth. He wants to upgrade the infrastructure, because he still has 5 Mbps links in many areas. What factors should he consider when upgrading the infrastructure to support video over IP?

Each correct answer represents a complete solution. Choose all that apply.

- A. Bandwidth requirement of applications
- B. Management overhead
- C. 5 Mbps reduction
- D. Number of concurrent users

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Mike works as a Sales Engineer for Umbrella Inc. The employees of the company are reporting problems with voice delays on telephone calls on the corporate VoIP network. What is the most likely cause of this problem?

- A. Large data packets are causing the voice packets to exceed their delay budget.
- B. Voice codec is not able to compress the voice stream into pack.
- C. Echo cancellation has been enabled on the voice coders without configuring phase shifting.
- D. The destination number is not contained in the local dial plan.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following is responsible for publishing the requests for RFCs that are used to establish TCP/IP specifications?

- A. IETF

- B. IEEE
- C. ITU
- D. ICANN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

You work as a Voice Technologies Administrator for PassGuide Inc. Your job is to manage and troubleshoot the Voice network of your company. You have configured H.323 to support DTMF. Which of the following DTMF relay types are supported by Cisco gateways using H.323?

- A. H.245 Signal
- B. H.245 Alphanumeric
- C. NTEs
- D. NSE

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

John works as a Network Administrator in ABC Inc. He complains that he is unable to communicate with a remote computer. He suspects that data loss is occurring at one of the routers that are routing the packets to the destination computer. He wants to test the route that the packets follow from his computer to the destination computer. He also wants to view the information about the packet losses at every router along the way. Which of the following commands will he use to accomplish this?

- A. PATHPING
- B. PING
- C. TRACERT
- D. NET VIEW

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

Which of the following statements are true about routers?

Each correct answer represents a complete solution. Choose all that apply.

- A. Routers are responsible for making decisions about which of several paths network (or Internet) traffic will follow.
- B. Routers organize addresses into classes, which are used to determine how to move packets from one network to another.

- C. Routers act as protocol translators and bind dissimilar networks.
- D. Routers do not limit physical broadcast traffic.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

You have been hired by Future Perfect Inc. to configure its TCP/IP-based network. The company has three branch offices at different locations. You decide to use private IP addressing. Which of the following are the characteristics of private IP addressing?

Each correct answer represents a complete solution. Choose all that apply.

- A. Private IP addresses can be assigned by many organizations at a time without conflict.
- B. NAT allows users to share a single public IP address with private IP addresses.
- C. Private IP addresses are used to create a network for home users only.
- D. Private IP addresses are provided by an Internet Service Provider.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Topic 2, Volume B

QUESTION 29

Which of the following layers of the OSI model is responsible for establishing communication session between the processes running on different communication entities in a network?

- A. Layer 7 (Application layer)
- B. Layer 3 (Network layer)
- C. Layer 5 (Session layer)
- D. Layer 2 (Data-link layer)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following factors are related with bandwidth requirements of a VoIP call?

Each correct answer represents a part of the solution. Choose all that apply.

- A. Codec selection
- B. Layer 3 routing protocol
- C. Speech samples per packet
- D. Layer 2 media type

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following are types of Digital Subscriber Line (DSL)?

Each correct answer represents a complete solution. Choose two.

- A. NDSL
- B. SDSL
- C. ADSL
- D. BDSL

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following protocols is needed when a fax machine is connected to ATA?

- A. H.323
- B. SCCP
- C. SIP
- D. MGCP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

QoS (Quality of service) is the ability of the network to provide better or special service to a set of users and applications at the expense of other users and applications. QoS is deployed for network enhancement. Which of the following is NOT affected by QoS?

- A. Variable delay
- B. Packet loss
- C. Fixed delay
- D. Jitter

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Which of the following parameters are generally used to describe quality of service for IP-based voice and video?

Each correct answer represents a complete solution. Choose all that apply.

- A. Jitter
- B. Bandwidth
- C. Latency
- D. Packet loss

Correct Answer: ABCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

You work as a Voice Technologies Administrator at PassGuide.com. Your job is to manage and troubleshoot the problems related with the VoIP network of your company. Your company is using digital voice connection to a PSTN as T1 circuit. Which of the following are the methods to send T1 frames in CAS?

Each correct answer represents a complete solution. Choose two.

- A. SIP (Session Initiation Protocol)
- B. SCCP (Skinny Client Control Protocol)
- C. ESF (Extended Super Frame)
- D. SF (Super frame)

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

IEEE 802.1p specifies a priority value of between 0 and 7 inclusive that can be used by Quality of Service (QoS) disciplines to differentiate the traffic. Which of the following values defines inter- network control?

- A. 5
- B. 3
- C. 6
- D. 4

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Which of the following protocols is responsible for host-to-host communication services?

- A. IP

- B. TCP
- C. ARP
- D. IMAP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

You work as a Network Administrator for Tech Perfect Inc. The company has a TCP/IP-based routed network. The network is spanned over large geographical area. Users report that they are unable to access a server on the remote segment. In order to troubleshoot the issue, you are required to determine the path from a host on your segment to the server as well as the delay and packet loss on the route. Which of the following tools can you use to accomplish the task?

- A. PING
- B. TRACERT
- C. PATHPING
- D. IPCONFIG

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Which of the following are the advantages of the Diffserv model?

Each correct answer represents a complete solution. Choose two.

- A. Highly efficient tools
- B. Admission control for each request
- C. Large number of service classes
- D. High scalability

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Mark works as a Sales Engineer for NetPerfect Inc. One of his customers has asked him to enable fax messages to be delivered to her computer so that she can read it in her email. Which of the following protocols should Mark implement on the convergence device?

- A. T.30
- B. T.38
- C. T.37

D. T.100

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

You are a Voice Technologies Administrator and connecting a VoIP network to the PSTN. You are using E.164 standard address for your telephone system. Which of the following are the components of E.164 numbering plan?

Each correct answer represents a part of the solution. Choose three.

- A. National destination code
- B. IP address
- C. Subscriber number
- D. Country code

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following provide an "always on" Internet access service when connecting to an ISP?

Each correct answer represents a complete solution. Choose two.

- A. Digital modem
- B. Analog modem
- C. DSL
- D. Cable modem

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Andrew wants to stream a live presentation across the Internet. There are more than 80 users watching the stream. It is a business update presentation given by Andrew's CEO. Which of the following technologies will he use to accomplish this task?

- A. Analogue television
- B. Digital television
- C. Webcasting
- D. Progressive download

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Power over Ethernet (PoE) technology describes a system to safely pass electrical power, along with data, on Ethernet cabling. What are the advantages of Power over Ethernet?

- A. Asymmetric distribution is possible.
- B. Symmetric distribution is possible.
- C. PoE supports cheap cabling.
- D. A Gigabit of data per second to every device is possible.

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

John works as a Network Administrator for Infonet Inc. The company has a Windows 2000 domainbased network. The network has ten Windows 2000 servers and 300 Windows 2000 Professional client computers. The network uses a T3 line to connect to the Internet. The company also has 1,000 external employees who need to connect to the company from remote locations. John wants to implement a remote access policy for external users, which will make access highly available and most secure.

He wants to accomplish the following goals:

No data traffic should be carried as clear text.

At least 200 remote users should be able to access the network simultaneously all the time.

What will he do to accomplish these tasks? Each correct answer represents a part of the solution. Choose three.

- A. Configure each VPN server to support 150 PPTP connections.
- B. Install two virtual private networking (VPN) servers at the main office.
- C. Configure the client computers to use MS-CHAP.
- D. Configure the client computers to use Password Authentication Protocol (PAP).

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

You want to connect three PBX units together that are at separate locations. One is in Newyork, GC.

The second is in Miami, KK, and the third is in Austin, QY. What kind of trunk lines will you use to create the connections required?

- A. Virtual trunks
- B. Tie trunks

- C. CO trunks
- D. ISL trunks

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Which of the following protocols is used to prevent switching loops in networks with redundant switched paths?

- A. Spanning Tree Protocol (STP)
- B. VLAN Trunking Protocol (VTP)
- C. File Transfer Protocol (FTP)
- D. Cisco Discovery Protocol (CDP)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following ITU recommendations explains the standard for store-and-forward fax transmission over IP networks?

- A. T.38
- B. S.47
- C. Q.931
- D. T.37

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following protocols transmits voice, data, and video simultaneously across ISDN connections?

- A. MGCP
- B. H.323
- C. SIP
- D. SCCP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Which of the following is a set of networking protocols that permits networked devices to seamlessly discover each others presence on the network?

- A. XPnP
- B. STUN
- C. UPnP
- D. CoS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following is a QoS protocol for managing bandwidth allocation for Internet media connections such as VoIP voice connection?

- A. EAP
- B. VXML
- C. MOS
- D. DiffServ

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Your client wants to choose a DSL connection with the fastest download rate possible. Which DSL would you recommend?

- A. FDSL
- B. HDSL
- C. SDSL
- D. ADSL

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Exam D

QUESTION 1

Which of the following communications technologies provides access to a large pool of customer service agents and multiple channels of communication as well as customer self-help tools?

- A. Rich-media conferencing
- B. Video telephony
- C. IP telephony
- D. Contact center

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Which of the following is a QoS technique that uses the precedence bits in the IP header?

- A. DiffServ
- B. IEEE 802.1p
- C. RSVP
- D. IntServ

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following describes the process of not transmitting information over the network when one of the parties involved in a telephone call is not speaking to reduce bandwidth consumption?

- A. Silence suppression
- B. PCM
- C. QoS
- D. OFDM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

The H.323 protocol uses ASN.1 binary code and the Session Initiation Protocol (SIP) uses ASCII text standard to format its messages. Which of the following layers of the OSI model is responsible for translating, processing, and reading ASN.1 and ASCII messages?

- A. Transport layer

- B. Presentation layer
- C. Application layer
- D. Network layer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

You work as a technician for TechPerfect Inc. There are up to 25 telecommuters using VoIP at any given time. You want to ensure that the Web browsing performed by the valid users on your network does not interfere with the required bandwidth for VoIP communications across the Internet. Which of the following technologies will allow you to ensure that the users can browse the Internet while not allowing these users to thwart the operations of the telecommuters?

- A. Traffic policing
- B. Traffic shaping
- C. Packet filtering
- D. Traffic generator

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

You work as a technician for McNeil Inc. You want to capture packets linked to SIP and HTTP using the same application. Which of the following monitoring tools will you use to accomplish the task?

- A. SIP analyzer
- B. Traffic generator
- C. Spectrum analyzer
- D. Protocol analyzer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

Session Border Controllers (SBCs) commonly maintain full session state. Which of the following functions are offered by a Session Border Controller?

Each correct answer represents a complete solution. Choose all that apply.

- A. Connectivity
- B. Statistics
- C. Quality of service

- D. Regulatory
- E. Availability
- F. Security

Correct Answer: ABCDF

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Mike works as a Technician for Umbrella Inc. The company is using symmetric Network Address Translation (NAT) in their network. Mike requires a workaround for the SIP devices. Mike is using IP phones from multiple vendors, as well as open source SIP clients. Which of the following solutions will work to allow the SIP implementation to pass through the NAT solution?

- A. TURN
- B. UPnP
- C. 802.1p
- D. STUN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

You are a Voice Technologies Administrator and connecting a VoIP network to the PSTN. You are using E.164 standard address for your telephone system. Which of the following are the components of E.164 numbering plan?

Each correct answer represents a part of the solution. Choose three.

- A. Subscriber number
- B. Country code
- C. IP address
- D. National destination code

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Which of the following parameters are generally used to describe quality of service for IP-based voice and video?

Each correct answer represents a complete solution. Choose all that apply.

- A. Jitter
- B. Bandwidth

- C. Latency
- D. Packet loss

Correct Answer: ABCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

Voice over IP is an application that requires efficient use of bandwidth and reliability. VoIP must not suffer the delays that can be seen at times with Web sites and Web applications. Which technology can be used to help ensure the efficient transport of VoIP traffic?

- A. QoS
- B. RTP
- C. DNS
- D. RSTP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Which of the following commands are valid only under the POTS dial peers?

Each correct answer represents a complete solution. Choose all that apply.

- A. Num-exp
- B. Forward digits
- C. No digit-strip
- D. Prefix
- E. Preference

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

Mike works as a Sales Engineer for Umbrella Inc. The employees of the company are reporting problems with voice delays on telephone calls on the corporate VoIP network. What is the most likely cause of this problem?

- A. The destination number is not contained in the local dial plan.
- B. Voice codec is not able to compress the voice stream into pack.
- C. Echo cancellation has been enabled on the voice coders without configuring phase shifting.
- D. Large data packets are causing the voice packets to exceed their delay budget.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following are examples of interactive communication?

Each correct answer represents a complete solution. Choose all that apply.

- A. Fax
- B. Phone call
- C. Video Conferencing
- D. E-mail

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

You work as a technician for McNeil Inc. You want to capture packets linked to SIP and HTTP using the same application. Which of the following monitoring tools will you use to accomplish the task?

- A. Protocol analyzer
- B. Spectrum analyzer
- C. Traffic generator
- D. SIP analyzer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

For outside cabling, which of the following cable types is most immune to the effects of lightning?

- A. Coaxial
- B. Shielded Twisted Pair (STP)
- C. Unshielded Twisted Pair (UTP)
- D. Fiber optic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

Which of the following VLAN Trunk Protocol (VTP) modes is used to create, modify, and delete VLANs?

- A. Transparent
- B. VTP client
- C. Exchange
- D. VTP server

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following factors are related with bandwidth requirements of a VoIP call?

Each correct answer represents a part of the solution. Choose all that apply.

- A. Codec selection
- B. Layer 2 media type
- C. Layer 3 routing protocol
- D. Speech samples per packet

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which of the following common IP services allows a customer to connect to the Internet with the help of private IP addressing?

- A. DNS
- B. NDIS
- C. NAT
- D. DHCP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following is used to maximize the efficient utilization of LAN media?

- A. Hub
- B. Router
- C. Bridge
- D. Switch

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Power over Ethernet (PoE) technology describes a system to safely pass electrical power, along with data, on Ethernet cabling. What are the advantages of Power over Ethernet?

- A. Symmetric distribution is possible.
- B. A Gigabit of data per second to every device is possible.
- C. PoE supports cheap cabling.
- D. Asymmetric distribution is possible.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

Which of the following gateway interfaces connects to the standard station port of a PBX?

- A. MCU
- B. FXS
- C. FXO
- D. E&M

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which of the following devices works at the data link layer of the OSI model and is therefore an ideal device for creating a new broadcast domain for a voice device?

- A. Hub
- B. Bridge
- C. Switch
- D. Router

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following can be used to perform session hijacking?

Each correct answer represents a complete solution. Choose all that apply.

- A. Cross-site scripting
- B. Session fixation
- C. Session sidejacking
- D. ARP spoofing

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

Fill in the blank with the appropriate word.

The_____ is composed of the local loop, the central office, and the SS7 network.

- A. PSTN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

Which of the following provide an "always on" Internet access service when connecting to an ISP?

Each correct answer represents a complete solution. Choose two.

- A. Analog modem
- B. DSL
- C. Cable modem
- D. Digital modem

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

John works as a Sales Engineer for KBC Inc. He has been assigned a project to install a soft phone on different computers. One of the computer systems on the LAN is experiencing problems in voice quality. Which of the following actions should John perform to resolve the problem?

- A. Add more system RAM.
- B. Upgrade the network cable to category 6 cabling.
- C. Upgrade the computer system.
- D. Upgrade the Network Interface Card (NIC).

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

Andrew is working for a television station in North America and South America. What video standard is more possibly be used with the video stored in the archives of these stations?

- A. SECAM
- B. NTSC
- C. IEEE 1394
- D. PAL

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

H.323 is a group of protocols defined by the International Telecommunication Union for multimedia conferences over Local Area Networks. H.323 uses ASN.1 binary code. Which of the following layers of the OSI model is responsible for translating, processing, and reading ASN.1 and ASCII messages?

- A. Presentation layer
- B. Transport layer
- C. Physical layer
- D. Application layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following standards designates international numbering plans for devices connected to the PSTN?

- A. ITU-T
- B. T-161
- C. IETF
- D. E.164

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Mark works as a Network Administrator for PassGuide Inc. The company has a Windows-based network. The

California branch of PassGuide has been divided into two buildings in the same campus. The company wants to interconnect these two buildings for proper communication among all the departments. Which of the following network types should Mark use to accomplish the task?

- A. CAN
- B. LAN
- C. MAN
- D. WAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following techniques allows multiple computers to share one or more IP addresses?

- A. DHCP
- B. WINS
- C. NAT
- D. DNS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

Which of the following statements are true about spoofing and session hijacking?

Each correct answer represents a complete solution. Choose all that apply.

- A. Session hijacking is an attack in which an attacker takes over the session, and the valid user's session is disconnected.
- B. Session hijacking is an attack in which an attacker takes over the session, and the valid user's session is not disconnected.
- C. Spoofing is an attack in which an attacker can spoof the IP address or other identity of the target but the valid user can be active.
- D. Spoofing is an attack in which an attacker can spoof the IP address or other identity of the target and the valid user cannot be active.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Adam works as a Technician for PassGuide Inc. He has been asked to recommend an appropriate network bandwidth for a medium to large business. The company will use it for the IP phones, as well as for the data connection. Which of the following would Adam recommend?

- A. DS1
- B. ISDN BRI
- C. ISDN PRI
- D. DS0

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

Session Border Controllers (SBCs) commonly maintain full session state. Which of the following functions are offered by a Session Border Controller?

Each correct answer represents a complete solution. Choose all that apply.

- A. Availability
- B. Security
- C. Statistics
- D. Quality of service
- E. Connectivity
- F. Regulatory

Correct Answer: BCDEF

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

You work as a technician for TechPerfect Inc. There are up to 25 telecommuters using VoIP at any given time. You want to ensure that the Web browsing performed by the valid users on your network does not interfere with the required bandwidth for VoIP communications across the Internet. Which of the following technologies will allow you to ensure that the users can browse the Internet while not allowing these users to thwart the operations of the telecommuters?

- A. Packet filtering
- B. Traffic policing
- C. Traffic generator
- D. Traffic shaping

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Which of the following protocols provides sequence numbers to VoIP packets?

- A. TCP
- B. RTP
- C. UDP
- D. SCCP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

You work as a Voice Technologies Administrator for PassGuide. Your job is to manage and troubleshoot the problems related with the VoIP networks. Which of the following allows a VoIP network to transmit multiple conversations over a single, four wire path?

- A. Compression of voice samples
- B. Fast Link Pulse
- C. Quantization
- D. Time Division Multiplexing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Flow based QoS tools automatically recognize flows. On which of the following things, this flow recognition is based?

Each correct answer represents a part of the solution. Choose three.

- A. Port numbers
- B. Source and destination address
- C. MAC address
- D. Transport layer protocol

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which of the following types of firewall ensures that the packets are part of the established session?

- A. Application-level firewall
- B. Circuit-level firewall
- C. Switch-level firewall
- D. Stateful inspection firewall

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Andrew has received a call from a user on a land line indicating that she cannot place calls with her VoIP softphone, but she can check her e-mail. What is the first step that Andrew should take to resolve this problem?

- A. Instruct her to ping the call manager.
- B. Log the problem.
- C. Execute the ipconfig command on her PC.
- D. Execute ping command on her PC.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

John works as a Voice Technologies Administrator in PassGuide.com. He configured a PBX system for his company. Now, he is facing problems related with Call setup, routing and management. The PBX system has some cards to provide call distribution functions properly. Which of the following cards will John check to resolve this problem?

- A. Control complex card
- B. Flash card
- C. Line card
- D. Trunk card

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following describes the process of not transmitting information over the network when one of the parties involved in a telephone call is not speaking to reduce bandwidth consumption?

- A. PCM
- B. Silence suppression
- C. QoS
- D. OFDM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

You work as a Network Administrator for NetTech Inc. The company has a wireless local area network (WLAN). You want to prevent your wireless access point from being accessed by intruders. What will you do to accomplish the task?

- A. Implement WEP.
- B. Implement auditing.
- C. Implement SSL.
- D. Implement IPSec.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following are the advantages of the Diffserv model?

Each correct answer represents a complete solution. Choose two.

- A. Highly efficient tools
- B. Large number of service classes
- C. High scalability
- D. Admission control for each request

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

Which of the following is also known as IP telephony or Internet telephony?

- A. Bluetooth
- B. TCP/IP
- C. ISDN
- D. VoIP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Which of the following are types of Digital Subscriber Line (DSL)?

Each correct answer represents a complete solution. Choose two.

- A. NDSL

- B. ADSL
- C. BDSL
- D. SDSL

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following network configuration utilities is used to display information about current TCP/IP connections?

- A. ping
- B. netstat
- C. nbtstat
- D. nslookup

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following is a drawback of using private IP addresses?

- A. They do not support H.323.
- B. They do not support SIP.
- C. They are not mutable across the Internet.
- D. They cannot be used by registered corporations.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Which of the following layers of the OSI model provides error control in a network?

- A. Network layer
- B. Application layer
- C. Transport layer
- D. Physical layer

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following voice codec ratings provides a representation of perceived quality from a human perspective?

- A. IntServ
- B. MOS
- C. QoS
- D. DiffServ

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Which of the following priorities will you recommend for voice in an 802.1 p VLAN?

- A. 1
- B. 7
- C. 6
- D. 2

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Exam E

QUESTION 1

Which of the following codecs is often considered as the default codec for H.323?

- A. G.724
- B. G.722
- C. G.711
- D. G.726

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

How many phases exist in a fax transmission as per the T.30 ITU-T standard?



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- A. 5
- B. 3
- C. 6
- D. 4

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following problems in a PSTN circuit can cause noise and thus reduces call quality?

- A. Too many phones registering with a gatekeeper
- B. Poorly crimped connections
- C. Improper grounded lines
- D. Mismatched codecs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

What is the bit rate of digitized voice using Pulse Code Modulation (PCM)?

- A. 32000 bps
- B. 64000 bps
- C. 16000 bps
- D. 8000 bps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

You are increasing compression to reduce bandwidth consumption. What effect will this have on voice quality?

- A. Voice quality will fluctuate.
- B. Voice quality will remain the same.
- C. Voice quality will improve.
- D. Voice quality will deteriorate.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following is a signaling protocol?

- A. NTP
- B. SIP
- C. STP
- D. VTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

All of the following components are required for a softphone end-point except for which one?

- A. Microphone
- B. PC
- C. Sound card
- D. Analog phone

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Which of the following is a method of displaying multiple parties in a video conference?

- A. Session Border Controller (SBC)
- B. Multipoint Control Unit (MCU)
- C. Multicast
- D. Broadcast

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

John works as a Network Administrator for Infonet Inc. The company has a Windows 2000 domainbased network. The network has ten Windows 2000 servers and 300 Windows 2000 Professional client computers. The network uses a T3 line to connect to the Internet. The company also has 1,000 external employees who need to connect to the company from remote locations. John wants to implement a remote access policy for external users, which will make access highly available and most secure.

He wants to accomplish the following goals:

No data traffic should be carried as clear text.

At least 200 remote users should be able to access the network simultaneously all the time.

What will he do to accomplish these tasks? Each correct answer represents a part of the solution. Choose three.

- A. Configure each VPN server to support 150 PPTP connections.
- B. Configure the client computers to use MS-CHAP.
- C. Configure the client computers to use Password Authentication Protocol (PAP).
- D. Install two virtual private networking (VPN) servers at the main office.

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

A scenario involves a pool of users with private IP addresses who need to access the Internet; however, the company has a limited number of IP addresses and needs to ensure users occupy only one public IP address.

Which technology is used to allow a pool of users to share one global IP address for Internet access?

- A. Private Address Translation
- B. Pool Address Translation
- C. Per-user Address Translation
- D. Port Address Translation

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11

Which of the following statements are true about spoofing and session hijacking?

Each correct answer represents a complete solution. Choose all that apply.

- A. Session hijacking is an attack in which an attacker takes over the session, and the valid user's session is not disconnected.
- B. Session hijacking is an attack in which an attacker takes over the session, and the valid user's session is disconnected.
- C. Spoofing is an attack in which an attacker can spoof the IP address or other identity of the target and the valid user cannot be active.
- D. Spoofing is an attack in which an attacker can spoof the IP address or other identity of the target but the valid user can be active.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12

You work as a technician for McNeil Inc. You want to capture packets linked to SIP and HTTP using the same application. Which of the following monitoring tools will you use to accomplish the task?

- A. Spectrum analyzer
- B. SIP analyzer
- C. Traffic generator
- D. Protocol analyzer

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13

Which of the following describes the process of not transmitting information over the network when one of the parties involved in a telephone call is not speaking to reduce bandwidth consumption?

- A. QoS
- B. PCM
- C. OFDM
- D. Silence suppression

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following attacks CANNOT be detected by an Intrusion Detection System (IDS)?

Each correct answer represents a complete solution. Choose all that apply.

- A. Denial-of-Service (DoS) attack
- B. Shoulder surfing
- C. E-mail spoofing
- D. Port scan attack

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

John works as a Technician for Blue Tel Inc. He notices errors in a routing table. Which of the following layers of the OSI model is associated with this situation?

- A. Transport Layer
- B. Data Link Layer
- C. Application Layer
- D. Network Layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

Which of the following standards designates international numbering plans for devices connected to the PSTN?

- A. T-161
- B. ITU-T
- C. IETF
- D. E.164

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

Your client wants to choose a DSL connection with the fastest download rate possible. Which DSL would you recommend?

- A. SDSL
- B. HDSL
- C. FDSL
- D. ADSL

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

You work as a Network Administrator for McNeil Inc. The company has a TCP/IP-based network. Performance of the network is slow because of heavy traffic. A hub is used as a central connecting device in the network. Which of the following devices can be used in place of a hub to control the network traffic efficiently?

- A. Router
- B. Switch
- C. Repeater
- D. Bridge

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which of the following protocols is used by voice terminal to communicate with the VoIP server?

Each correct answer represents a complete solution. Choose all that apply.

- A. H.323
- B. SMTP
- C. MGCP
- D. SIP

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

John works as a Network Administrator for NetPerfect Inc. The company has a Windows-based network. John has been assigned a project to build a network for the sales department of the company. It is important for the LAN to continue working even if there is a break in the cabling.

Which of the following topologies should John use to accomplish the task?

- A. Mesh
- B. Bus

- C. Star
- D. Ring

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Which of the following are examples of interactive communication?

Each correct answer represents a complete solution. Choose all that apply.

- A. Phone call
- B. Fax
- C. Video Conferencing
- D. E-mail

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

Which of the following are the key steps that must be taken while planning and implementing QoS policies?

Each correct answer represents a part of the solution. Choose three.

- A. Divide traffic into classes.
- B. Identify traffic and its requirement.
- C. Remove unnecessary protocols.
- D. Define policies for each traffic class.

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Andrew is working for a television station in North America and South America. What video standard is more possibly be used with the video stored in the archives of these stations?

- A. IEEE 1394
- B. PAL
- C. SECAM
- D. NTSC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following devices is used to create VLANs in a small network?

- A. Switch
- B. Repeater
- C. Hub
- D. Bridge

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

John works as a Sales Engineer for KBC Inc. He has been assigned a project to install a soft phone on different computers. One of the computer systems on the LAN is experiencing problems in voice quality. Which of the following actions should John perform to resolve the problem?

- A. Upgrade the Network Interface Card (NIC).
- B. Upgrade the computer system.
- C. Add more system RAM.
- D. Upgrade the network cable to category 6 cabling.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

Which of the following layers of the OSI model is responsible for converting between ASCII and EBCDIC?

- A. Presentation Layer
- B. Application Layer
- C. Network Layer
- D. Transport Layer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

Which of the following address translation types only translates one (and only one) IP address to another without using ports?

- A. PAT
- B. Dynamic NAT
- C. NAT
- D. Static NAT

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

Which of the following are the key steps that must be taken while planning and implementing QoS policies?

Each correct answer represents a part of the solution. Choose three.

- A. Divide traffic into classes.
- B. Identify traffic and its requirement.
- C. Remove unnecessary protocols.
- D. Define policies for each traffic class.

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following VLAN Trunk Protocol (VTP) modes is used to create, modify, and delete VLANs?

- A. Transparent
- B. VTP server
- C. VTP client
- D. Exchange

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following are types of Digital Subscriber Line (DSL)?

Each correct answer represents a complete solution. Choose two.

- A. BDSL
- B. ADSL
- C. SDSL
- D. NDSL

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

You have been hired by Future Perfect Inc. to configure its TCP/IP-based network. The company has three branch offices at different locations. You decide to use private IP addressing. Which of the following are the characteristics of private IP addressing?

Each correct answer represents a complete solution. Choose all that apply.

- A. Private IP addresses can be assigned by many organizations at a time without conflict.
- B. Private IP addresses are provided by an Internet Service Provider.
- C. Private IP addresses are used to create a network for home users only.
- D. NAT allows users to share a single public IP address with private IP addresses.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

A scenario involves a pool of users with private IP addresses who need to access the Internet; however, the company has a limited number of IP addresses and needs to ensure users occupy only one public IP address.

Which technology is used to allow a pool of users to share one global IP address for Internet access?

- A. Pool Address Translation
- B. Private Address Translation
- C. Port Address Translation
- D. Per-user Address Translation

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

John works as a Technician for Blue Tel Inc. He notices errors in a routing table. Which of the following layers of the OSI model is associated with this situation?

- A. Application Layer
- B. Data Link Layer
- C. Transport Layer
- D. Network Layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

For outside cabling, which of the following cable types is most immune to the effects of lightning?

- A. Unshielded Twisted Pair (UTP)
- B. Shielded Twisted Pair (STP)
- C. Coaxial
- D. Fiber optic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

Which of the following have the specifications that a VLAN has?

Each correct answer represents a complete solution. Choose two.

- A. Broadcast domain
- B. Collision domain
- C. Intranet VPN
- D. IP subnet

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

Trace analysis tools, management tools, and NBAR are used while implementing QoS policies. Which of the following tasks is performed by these tools during implementation of QoS policies?

- A. Network security configuration
- B. Network audit
- C. Defining policies
- D. Division of traffic into classes

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Which of the following are the benefits of using Virtual local area network (VLAN) in a company's network?

Each correct answer represents a complete solution. Choose all that apply.

- A. It improves security, as broadcasts are limited.
- B. It prevents adware and spyware from infecting the network.
- C. It allows access to network services based on a department, not the physical location.
- D. It simplifies adding and moving hosts on the network.

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

Maria works as a Network Administrator for BlueWells Inc. The company has a Windows-based network. The company has created a new network for the Sales department. Maria has been assigned a project to increase the number of devices connected in this network with ease of installation and management. She wants to provide a dedicated link to each device in order to reduce traffic on the network. Which of the following topologies should Maria use to accomplish the task?

- A. Tree
- B. Star
- C. Bus
- D. Single node

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

You work as a Network Administrator for NetTech Inc. The company has a wireless local area network (WLAN). You want to prevent your wireless access point from being accessed by intruders. What will you do to accomplish the task?

- A. Implement WEP.
- B. Implement IPsec.
- C. Implement auditing.
- D. Implement SSL.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which of the following VTP modes cannot make any changes to the VLAN database?

- A. VTP administrator
- B. VTP server
- C. VTP transparent
- D. VTP client

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41

Which of the following layers of the OSI model is responsible for establishing communication session between the processes running on different communication entities in a network?

- A. Layer 7 (Application layer)
- B. Layer 2 (Data-link layer)
- C. Layer 5 (Session layer)
- D. Layer 3 (Network layer)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:



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QUESTION 42

John works as a Network Administrator for NetPerfect Inc. The company has a Windows-based network. John has been assigned a project to build a network for the sales department of the company. It is important for the LAN to continue working even if there is a break in the cabling.

Which of the following topologies should John use to accomplish the task?

- A. Star
- B. Ring
- C. Mesh
- D. Bus

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43

Which of the following are endpoints in Cisco Unified Communications?

Each correct answer represents a complete solution. Choose two.

- A. Routers
- B. Switches
- C. Gateways
- D. IP phones

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following common IP services allows a customer to connect to the Internet with the help of private IP addressing?

- A. NDIS
- B. DHCP
- C. DNS
- D. NAT

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

You are a Voice Technologies Administrator and connecting a VoIP network to the PSTN. You are using E.164 standard address for your telephone system. Which of the following are the components of E.164 numbering plan?

Each correct answer represents a part of the solution. Choose three.

- A. National destination code
- B. Subscriber number
- C. IP address
- D. Country code

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

You are implementing a Voice over Wireless LAN network. Which of the following voice-specific requirements will you consider to ensure that voice traffic is received timely or not?

- A. Security
- B. Quality of service
- C. Intelligent client
- D. Roaming

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

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Which of the following layers of the OSI model manages communication between communication entities in a network?

- A. Transport
- B. Application
- C. Session
- D. Presentation
- E. Network

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Your client wants to choose a DSL connection with the fastest download rate possible. Which DSL would you recommend?

- A. SDSL
- B. FDSL
- C. HDSL
- D. ADSL

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following layers of the OSI model is responsible for converting between ASCII and EBCDIC?

- A. Data link layer
- B. Application layer
- C. Session layer
- D. Presentation layer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

John works as a CCNA Voice Associate; he is working in a company that is facing the problems of Jitter, delay, and packet loss in its VoIP network. John wants to fix all these issues, but he is unable to find the main cause of these problems. Which of the following is the most likely reason for these issues?

- A. An audio codec is wrongly configured.
- B. There is lack of bandwidth.
- C. The company and the service provider are located far from each other.
- D. Voice VLAN is not configured.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

QoS (Quality of service) is the ability of the network to provide better or special service to a set of users and applications at the expense of other users and applications. QoS is deployed for network enhancement. Which of the following is NOT affected by QoS?

- A. Variable delay
- B. Fixed delay
- C. Packet loss
- D. Jitter

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Harry works as a Technician for KBC Inc. He has just installed a wireless access point that he plans to use for voice and video calls. Which of the following is an essential setting to put in place so that Harry can prioritize multiple traffic streams?

- A. Multiple default gateways
- B. MAC address filtering
- C. Larger MTU settings
- D. Multiple SSID entries

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:



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