

**QUESTION 1**

Which supports animation of graphics on web?

- A. GIF87A
- B. GIF89A
- C. jpeg
- D. png

Answer: B  
GIF89A is the version of GIF that supports animated pictures.

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**QUESTION 2**

How are cookies stored?

- A. Unencrypted text file on client
- B. Unencrypted text file on server
- C. Encrypted text file on client
- D. Encrypted text file on server

Answer: A  
Cookies are saved as unencrypted text files on the client.

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**QUESTION 3**

How many 64 Kbps channels are in a ISDN?

- A. 1
- B. 2
- C. 8
- D. 12

Answer: B  
There are two 64-Kbps channels on a common, basic rate, ISDN connection.

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**QUESTION 4**

Which one has speeds off 51.84Mbps?

- A. T1
- B. T3
- C. OC1
- D. OC3

Answer: C  
T1 supports 1.544Mbps, T3 supports 44.736Mbps, OC1 supports 51.8Mbps, and OC3 supports 155.4Mbps.

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**QUESTION 5**

What uses vector graphics to display web images?

- A. Flash
- B. Shockwave
- C. Real Media
- D. QuickTime VR

Answer: A

Flash uses vector graphics.

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**QUESTION 6**

You have a Remote access server (RAS) used by your colleagues working at home. You are concerned about the security. What should you do to have a better security measure?

- A. Installing firewall
- B. Change password
- C. Use SSL for the connection
- D. Enable call back

Answer: D

Callback can be used to only allow remote access from certain locations (telephone numbers).

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**QUESTION 7**

What TCP/IP protocol can be used for directory access?

- A. LDAP
- B. HTTP
- C. FTP
- D. NNTP

Answer: A

The Lightweight Directory Access Protocol (LDAP) is used by directory servers.

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**QUESTION 8**

What UART chip is needed to provide a modem connection of 115200 bps?

- A. 85.xx
- B. 65.xx
- C. 100.xx
- D. 165.xx

Answer: D

The UART 16650A, this most common UART now, or higher is needed to support transmission speeds of 115200 bps.

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**QUESTION 9**

Which executes on server side?

- A. CGI
- B. C++
- C. Javascript
- D. VBG

Answer: A

CGI scripts are executed at the server.

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**QUESTION 10**

Which command checks the current open TCP/IP connections?

- A. netstat
- B. Ping
- C. ipconfig
- D. winipcfg

Answer: A

Netstat provides statistics on the current open TCP/IP connection.

Ping just tests network connectivity.

IPConfig on Windows NT/2000/XP computers, and Winipcfg on Windows 9x computers, is used to view and configure IP settings, not to check TCP/IP connections.

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**QUESTION 11**

Which command matches IP address to MAC address?

- A. arp
- B. ipconfig
- C. winipcfg
- D. nbtstat

Answer: A

The Address Resolution Protocol (ARP) resolves IP addresses to MAC addresses.

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**QUESTION 12**

What is the default port for HTTP?

- A. 21
- B. 25
- C. 80
- D. 110

Answer: C

HTTP uses TCP port 80 by default.

**QUESTION 13**

Web graphics 40mm x 60mm. Which format do you load to achieve the fastest download when user browses?

- A. 72dpi
- B. 98dpi
- C. 100dpi
- D. 300dpi

Answer: A

Lower resolution, 72 dpi, requires less data, and is therefore faster to download.

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**QUESTION 14**

Your company has heterogeneous systems (different operating systems/machines). You want to have a better security and you want your company to issue certificates for user communication. What server should you implement?

- A. Directory server
- B. Certificate server
- C. Authentication server
- D. Telnet server

Answer: B

A Certificate server which issues certificate is needed.

Not all operating systems have a directory.

There is no common standard for authentication servers yet.

A telnet server only provides remote access.

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**QUESTION 15**

What is the default port for Telnet?

- A. 21
- B. 23
- C. 25
- D. 80

Answer: B

Telnet uses TCP port 23 by default.

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**QUESTION 16**

What is the default port for SMTP?

- A. 21
- B. 25
- C. 80

D. 110

Answer: B

The Simple Mail Transport Protocol uses TCP port 25 by default.

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**QUESTION 17**

What do you need on your e-commerce system to process credit card transactions?

- A. Online catalog
- B. Virtual shopping carts/Checkouts
- C. Merchant system
- D. Intranet

Answer: C

The merchant system processes the credit card transactions.

An online catalog, Virtual shopping carts/Checkouts are often used in a web site selling products, but it these components does not process the credit card transactions.

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**QUESTION 18**

What network device enables you to communicate with other systems using different protocol?

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

Answer: D

A gateway can be used to connect systems that use different protocols. The gateway translates between the protocols.

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**QUESTION 19**

Which supports encryption?

- A. UDP
- B. TCP
- C. PPP
- D. SLIP

Answer: C

PPP supports encryption.

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**QUESTION 20**

Your company has connection with the business partners. What is it called?

- A. Intranet
- B. Extranet

- C. Internet
- D. Private network

Answer: B

An extranet is a business-to-business intranet between the company's and the business partners locations.

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**QUESTION 21**

What do you call the first DNS server?

- A. First
- B. Master
- C. Slave
- D. Primary

Answer: D

The first DNS server is called the primary, or the authoritative, DNS server of the zone.

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**QUESTION 22**

Within a DNS record where can you find the name of the administrator.

- A. PTR
- B. SOA
- C. CNAME
- D. MX

Answer: B

The Start of Authority (SOA) record contains, among other things, the name of the administrator.

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**QUESTION 23**

Which device cannot be infected with a virus?

- A. Router
- B. Hub
- C. Gateway
- D. NIC

Answer: B

A hub does not contain any firmware and cannot be infected by a virus.

A router or a gateway might be infected since they might be implemented by firmware.

It seems unlikely that a NIC could be infected by a virus, but it might be theoretically possible.

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**QUESTION 24**

When a new idea is being considered for adoption regarding the Internet, it is first posted as an:

- A. FAQ
- B. RFC

- C. PDP
- D. PDF

Answer: B

The idea is first post as a Request For Comment (RFC).

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**QUESTION 25**

Which is not a required HTML Tag?

- A. <TEXTAREA>
- B. <Body>
- C. <Head>
- D. <HTML>

Answer: A

The <TEXTAREA> HTML tag is not required. .

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**QUESTION 26**

What is the default port for FTP?

- A. 21
- B. 25
- C. 80
- D. 110

Answer: A

FTP uses TCP port 21 by default.

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**QUESTION 27**

What are the best types of documents to distribute using Electronic Data Interchange (EDI)?

- A. Memos
- B. Orders and invoices
- C. Reports
- D. E-mail

Answer: B

EDI is a uniform standard for the electronic interchange of business documents used in an Electronic commerce setting. Electronic commerce is the communication of business information (bills of lading, waybills, freight bills, shipment status events, orders, invoices etc.) through various electronic media formats.

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**QUESTION 28**

What TCP/IP utility is used to see current contents of a packet on your computer?

- A. tracet
- B. protocol analyzer

- C. ping
- D. ipconfig

Answer: B

A protocol analyzer can be used to examine the content of a packet.

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**QUESTION 29**

Which DNS record tells you mail servers?

- A. PTR
- B. RP
- C. CNAME
- D. MX

Answer: D

The MX (Mail Exchange) record contains the name (and the priority) of a mail server in the domain.

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**QUESTION 30**

When a system is sent ICMP echo requests repeatedly, it is a

- A. PING attack
- B. SYN attack
- C. SPOOFING
- D. Telnet attack

Answer: A

The ping utility uses the ICMP protocol. Repeated ICMP echo requests is called a PING attack, or a ICMP flood.

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**QUESTION 31**

VPNs are most often associated with which protocol?

- A. PPP
- B. L2TP
- C. SLIP
- D. PPTP

Answer: D

Point to Point Tunneling Protocol is the most widespread Virtual Private Networking (VNP) protocol.

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**QUESTION 32**

How many bits in a class 4 IP address?

- A. 32
- B. 40
- C. 64



D. 128

Answer: A

A class 4 IP address consists of 32 bits.

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**QUESTION 33**

What are the 2 parts of every IP address?

- A. Network + Host
- B. Symbolic + Dotted Decimal
- C. Subnet + Subnet Mask
- D. Subnet Mask + Host

Answer: A

Every IP address consists of a network part and a host part. This is denoted either directly by 192.165.0.13/16 or by an IP address and a subnet mask 192.165.0.13, 255.255.0.0.

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**QUESTION 34**

Which command checks TCP/IP Parameters for Windows 2000?

- A. netstat
- B. Ping
- C. ipconfig
- D. winipcfg

Answer: C

The IPConfig utility is used in Windows NT/2000/XP to check and configure TCP/IP parameters.

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**QUESTION 35**

What is the color depth of JPG?

- A. 8 bit
- B. 16 bit
- C. 24 bit
- D. 48 bit

Answer: C

The best available color depth for a JPG image is 24-bit color.

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**QUESTION 36**

Which protocol does NOT support IPX?

- A. SLIP
- B. PPP
- C. PPTP

D. L2TP

Answer: A

SLIP stands for Serial Line Internet Protocol. It is software to do IP over serial lines. It can only use the TCP/IP protocol, not IPX.

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**QUESTION 37**

What must you establish to allow clients to log in and check the status of their orders?

- A. Internet
- B. Intranet
- C. Extranet
- D. VPN

Answer: C

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**QUESTION 38**

What is in line 2 of a Mime file?

- A. author
- B. file size
- C. body
- D. page

Answer: A

The author name is present in line 2 in a MIME file.

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**QUESTION 39**

A company needs a connection that has at least 10Mb/s for its users. What is the connection?

- A. T1
- B. T3
- C. 56kbps modem
- D. DSL

Answer: B

T1 supports 1.544Mbps, T3 supports 44.736Mbps, and DSL typically less the 4Mbps.

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**QUESTION 40**

Which of the following methods will allow data to be sent on the Internet in a secure format?

- A. Browsing
- B. Virtual Private Networks
- C. Serial Line Interface Protocol
- D. Point to Point Protocol

Answer: B

Virtual Private Networks (VPNs) use a tunneling technique often used with encryption to secure communication through an unsecure environment.

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**QUESTION 41**

Which organization approves the standards of Anti-Virus Software?

- A. IAB
- B. IETF
- C. ICSA
- D. RFC

Answer: C

ICSA Labs is the security industry's central anti-virus product testing and certification facility.

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**QUESTION 42**

You enter ftp://124.90.139.51 and you are able to access the site but if you try ftp:// Certkiller .com you cannot. Why?

- A. No DNS Server
- B. Server's file is missing
- C. No internet connection
- D. No web browser

Answer: A

If we are able to connect by IP number but not by name then there is no host name to IP resolution available. The problem could be solved with a DNS server.

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**QUESTION 43**

Which network hardware device protects a server from malicious attacks over the Internet?

- A. NIC
- B. Firewall
- C. Gateway
- D. Bridge

Answer: B

A firewall can be configured to protect a network, by blocking ports, from attacks from the Internet.

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**QUESTION 44**

Which domain is used for non profit organizations?

- A. com
- B. edu
- C. org
- D. net

Answer: C

The top domain org is used for non profit organizations.

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**QUESTION 45**

Which network connectivity device translates one protocol into another and is used to connect dissimilar network technologies?

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

Answer: D

A gateway can be used to connect systems that use different protocols. The gateway translates between the protocols.

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**QUESTION 46**

The default subnet mask for the IP address 189.203.40.99 is?

- A. 255.0.0.0
- B. 255.255.255.0
- C. 255.255.0.0
- D. 255.255.255.255

Answer: C

Class A networks use a default subnet mask of 255.0.0.0 and have 0-126 as their first octet.

Class B networks use a default subnet mask of 255.255.0.0 and have 128-191 as their first octet.

Class C networks use a default subnet mask of 255.255.255.0 and have 192-223 as their first octet.

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**QUESTION 47**

What command would you use to get multiple files from a site?

- A. GET
- B. MPUT
- C. MGET
- D. MULTIPLE GET

Answer: C

Get is the FTP command to download a single file from a site. MGET is the FTP command used to download multiple files from a site.

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**QUESTION 48**

Total # of host for a Class B?

- A. 65,000

- B. 16,000,000
- C. 254
- D. 600

Answer: A

Class B networks use a default subnet mask of 255.255.0.0. So there are 16 bits for the subnet mask which allows 65,536 hosts (or more precisely 65,534 hosts) which is approximately 65,000 hosts.

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**QUESTION 49**

What allows multiple HTML Links?

- A. HTML
- B. XML
- C. VRML
- D. PERL

Answer: B

XML, contrary to HTML, allows multiple HTML links at a time.

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**QUESTION 50**

What protocol is used when sending mail?

- A. POP3
- B. SMTP
- C. HTTP
- D. FTP

Answer: B

SMTP allows the sending of mail messages. IMAP and POP are used to receive e-mail messages, not send. HTTP is the protocol used for WEB Pages, and is not a mail protocol. FTP is used for file transfers.

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**QUESTION 51**

Which TCP/IP protocol is the primary protocol used to transfer text and binary files on the Internet?

- A. HTTPS
- B. FTP
- C. LDAP
- D. HTTP

Answer: B

The File Transfer Protocol (FTP) is used for transferring files.

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**QUESTION 52**

Which technology for VPN uses IPSEC?

- A. SLIP

- B. L2TP
- C. PPP
- D. PPTP

Answer: B

L2TP over IPsec provide a secure Virtual Private Network (VPN) tunnel.

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**QUESTION 53**

Which one uses a connection protocol?

- A. TCP
- B. NETBeui
- C. UDP
- D. ICMP

Answer: A

TCP is connection-oriented protocol.

NETBeui use broadcasts, not connections. UDP is a connection-less protocol. ICMP use the connection-less UDP protocol.

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**QUESTION 54**

Which of the following uses a single key to encrypt and decrypt?

- A. Asymmetric encrypt
- B. Hash encrypt
- C. Public key
- D. Symmetric encrypt

Answer: D

The symmetric ciphers key is used both for encrypting and decrypting the message.

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**QUESTION 55**

Which language allows for the creation of platform independent executables?

- A. Perl
- B. C++
- C. Java
- D. Win CGI

Answer: C

Java is platform independent.

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**QUESTION 56**

Which is a valid class B network.

- A. 126.1.1.1

- B. 130.1.1.1
- C. 193.1.1.1
- D. 10.1.1.1

Answer: B

Class A networks use a default subnet mask of 255.0.0.0 and have 0-126 as their first octet.

Class B networks use a default subnet mask of 255.255.0.0 and have 128-191 as their first octet.

Class C networks use a default subnet mask of 255.255.255.0 and have 192-223 as their first octet.

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**QUESTION 57**

Your server has problem in receiving emails. What should you check?

- A. POP3 server
- B. SMTP server
- C. Web server
- D. FTP server

Answer: A

IMAP and POP are used to receive e-mail messages.

SMTP allows the sending of mail messages, HTTP is the protocol used for WEB Pages, and is not a mail protocol. FTP is used for file transfers.

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**QUESTION 58**

You need to provide users a command line interface on a UNIX system. What service you need to set up?

- A. FTP
- B. HTTP
- C. Browser
- D. Telnet

Answer: D

Telnet can be used to set up a remote command line interface.

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**QUESTION 59**

Your user needs to access your company WAN network with TCP/IP. What is the minimum things he/she need to set on their PC?

- A. IP address
- B. IP address, subnet mask
- C. IP address, subnet mask, gateway
- D. Gateway

Answer: C

Every computer on a TCP/IP need a unique IP address and subnet mask. If the computer should access resources outside its local subnet, for example WAN resources, it must be configured with a default gateway.

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**QUESTION 60**

When you use Telnet what protocol are you using?

- A. IPX/SPX
- B. NetBios
- C. TCP/IP
- D. XNS

Answer: C

Telnet uses the TCP/IP protocol.

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**QUESTION 61**

You have just established Internet connection through your ISP. What should you do next?

- A. Install Proxy Server
- B. Anti-virus software
- C. Firewall
- D. Web server

Answer: B

Internet is unsafe and you could very well be infected by a virus. You should install an Anti-virus Software.

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**QUESTION 62**

A T3/E3 connection has a maximum speed of

- A. 1.55 Mbps
- B. 44.736 Mbps
- C. 2.048 Mbps
- D. 34.162 Mbps

Answer: B

T1 supports 1.544Mbps, T3 supports 44.736Mbps.

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**QUESTION 63**

What command is used to start a file transfer from a remote site?

- A. put
- B. mput
- C. get
- D. mget

Answer: C

The FTP command GET initiates a download of a single file from a remote site.

---

**QUESTION 64**

What TCP/IP utility is used to find out how many hops it takes to get to a site?



- A. tracert
- B. arp
- C. ping
- D. netstat

Answer: A

Tracert list every hop to the destination.

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**QUESTION 65**

Which protocol does not authenticate?

- A. SLIP
- B. PPP
- C. L2TP
- D. PPTP

Answer: A

The SLIP protocol does not include authentication.

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**QUESTION 66**

What does SMTP stand for?

- A. Single Mail Transport Protocol
- B. Simple Mail Transport Protocol
- C. Signal Transport Protocol
- D. Single Message Transport Protocol

Answer: B

SMTP stands for Simple Mail Transport Protocol or for Simple Mail Transfer Protocol.

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**QUESTION 67**

What does FTP stand for?

- A. File Transfer Protocol
- B. File Transport Protocol
- C. File Translation Protocol
- D. File Terminal Protocol

Answer: A

FTP stands for File Transfer Protocol.

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**QUESTION 68**

What uses 53 byte packets and typically runs at 155Mbps?

- A. ATM

- B. T1
- C. DSL
- D. OC-3

Answer: A

ATM (asynchronous transfer mode) uses 53 byte cells for all transmissions, typically at speeds of 155Mbps.

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**QUESTION 69**

You set up a dialup network using the SLIP protocol. You cannot transfer files with FTP and have problems connecting to the Internet. What is a possible alternative?

- A. Install a proxy with TCP/IP
- B. Try pinging the FTP server
- C. Try pinging the local host
- D. Change to PPP

Answer: D

SLIP is an old remote access protocol which has been replaced with PPP and PPTP.

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**QUESTION 70**

Web pages you access often load slowly. What can you do?

- A. Increase cache size
- B. Increase your PC RAM
- C. Clear browser history

Answer: A

By increasing the web page cache size, often called Temporary Internet Files, more web content can be loaded from your local hard drive instead from the internet. This will improve performance.

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**QUESTION 71**

Which is the fastest?

- A. T1/E1
- B. T3/E3
- C. OC-1
- D. OC-3

Answer: D

T1 supports 1.544Mbps, T3 supports 44.736Mbps, OC1 supports 51.8Mbps, and OC3 supports 155.4Mbps. E1 and E3 are the European standards for T1 and T3.

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**QUESTION 72**

What does CSS stand for?

- A. Crypted Secure Server

- B. Cascading Style Sheets
- C. Community Secure Site
- D. Critical Server Status

Answer: B

CSS stands for Cascading Style Sheets.

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**QUESTION 73**

Which step is most subject to network congestion?

- A. Displaying the content
- B. Server generating content for the output
- C. Transmitting the response from server to client
- D. The request waiting in the server's queue.

Answer: C

Most traffic would be generated when the server transmits the response to the client.

Displaying the content, generating the output or a request waiting in a queue would not generate network traffic.

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**QUESTION 74**

A user with a 128Kbps ISDN modem will take about how many seconds to download a 100K file?

- A. 30
- B. 3
- C. 15
- D. 8

Answer: D

In 8 seconds a 128Kbps can download 128 Kilobytes, so a 100KB file would took somewhat less than 8 seconds.

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**QUESTION 75**

What network hardware device connects a computer to an ISP and the Internet via a standard phone line?

- A. PC
- B. Modem
- C. Internet Appliance
- D. Processor

Answer: B

A modem connect the computer with the ISP over a standard phone line.

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**QUESTION 76**

A digital signature

- A. Verifies the identity of the person who applies it to a document
- B. Is required for an e-mail message to get through a firewall
- C. Encrypts a message to which it is applied
- D. Cannot stand up in court.

Answer: A

Digital signatures are used to verify the identity of persons and agents.

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**QUESTION 77**

Which web browser setting controls how a web browser receives information and automatically downloaded content from web sites?

- A. Cookies
- B. Security
- C. Proxy
- D. Mail Server

Answer: A

A "cookie" is a small piece of information which a web server can store temporarily with your web browser. This is useful for having your browser remember some specific information which the web server can later retrieve.

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**QUESTION 78**

Before you can use any Internet-client for a dial-up connection, what must be installed and configured on the client machine?

- A. Client IP address
- B. Modem
- C. NIC
- D. Web browser

Answer: B

A dial-up connect requires a modem.

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**QUESTION 79**

What is the most common way of getting information from a web surfer?

- A. An HTML form
- B. A custom application
- C. Active X
- D. ASP

Answer: A

The most common way to get information from a people surfing the WWW is through an HTML form.

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**QUESTION 80**

What is Microsoft's preferred server-side scripting language called?

- A. Active Server Pages (ASP)
- B. Internet Information Server (IIS)
- C. VBScript
- D. ActiveX Server Extensions (ASE)

Answer: A

Microsoft's server side scripting language is called Active Server Pages (ASP).

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**QUESTION 81**

To which component of the Internet can individual users buy modem connections so that they can get on the Internet?

- A. Backbone ISP
- B. Access point ISP
- C. WAN connection
- D. Phone company

Answer: B

Access point ISPs provide dial-up internet access.

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**QUESTION 82**

Suppose someone who doesn't have money to spare on a computer needs a connection to the Internet. Which device could you install to allow that user web access?

- A. Modem
- B. Telephone
- C. Internet appliance
- D. NIC

Answer: C

An Internet Appliance integrates the hardware and software required to access the Internet into a single, costeffective, full-featured solution. This one box is designed for small to medium enterprises with 10 to 250 employees, remote or branch offices or telecommuters. It will manage advanced email, web browsing and Internet access for everyone in your office. Most importantly, it provides a firewall to protect you from any intruder who attempts to access your information over the Internet (hacking). It can also be used as a print or file server.

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**QUESTION 83**

Streaming media formats allow for slowdowns in the data stream by

- A. Storing media information in a database
- B. Dividing the available bandwidth into normal and backup segments.

- C. Compressing the data into ZIP format
- D. Building up a buffer of data before playback begins.

Answer: D

Streaming media use a buffer to handle temporary congestion of the data stream.

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**QUESTION 84**

A client-side script is not working correctly. What is the most likely cause?

- A. The operating system does not support scripting
- B. The server can't parse the script
- C. The web client doesn't support scripting
- D. The HTTP connection has been lost.

Answer: C

Client-side scripting is run within the web client environment.

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**QUESTION 85**

What is encrypted text called?

- A. Cipher text
- B. Plaintext
- C. Script text
- D. Cookies

Answer: A

Encrypted text is called text.

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**QUESTION 86**

Trademark protection applies to

- A. Ad slogans
- B. Processes
- C. Graphical artwork other than logos
- D. MIDI files

Answer: A

Trademark protection concerns the use of the trademarks in for example ad slogans.

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**QUESTION 87**

What is the most useful aspect of the JAVA language?

- A. Cross-platform capability
- B. Gentle learning curve
- C. It is faster than compiled languages
- D. It is copylefted.

Answer: A

The main advantage of JAVA is that it can be used undependably on different platforms.

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**QUESTION 88**

What is the least secure?

- A. Internet
- B. Extranet
- C. Intranet
- D. VPN

Answer: A

Internet is public and is less secure than an Intranet, or a connection between two Intranets (an extranet), or a Virtual Private Network (VPN).

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**QUESTION 89**

What is the default subnet mask for the IP address 194.206.42.7?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 255.255.255.255

Answer: C

Class A networks use a default subnet mask of 255.0.0.0 and have 0-126 as their first octet.

Class B networks use a default subnet mask of 255.255.0.0 and have 128-191 as their first octet.

Class C networks use a default subnet mask of 255.255.255.0 and have 192-223 as their first octet.

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**QUESTION 90**

If you want to play streaming video on your site, what is the best technology to use?

- A. Flash
- B. Acrobat
- C. Real Player
- D. QuickTime VR

Answer: C

"Streaming" video allows the user to begin viewing the video in seconds by delivering the data in small packets which are buffered and then discarded after viewing is complete. RealPlayer is streaming video standard.

Flash is used for vector based web animations, not for streaming video.

Acrobat is used for pdf documents.

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**QUESTION 91**

In order to have copyright protection, a work

- A. Must be an original creation
- B. Must be registered with a copyright office
- C. Must have an individual author
- D. Must not have excerpts of other copyrighted work

Answer: A

---

**QUESTION 92**

How can you find out what browser someone was using when they got an error message?

- A. Ask the user
- B. Look in the error log
- C. Look in the access log
- D. A and C

Answer: B

The version of the browser would be stored in the error log.

---

**QUESTION 93**

Which Internet bandwidth technology is mainly used on the Internet backbone?

- A. ATM
- B. T3/E3
- C. X.25
- D. Frame Relay

Answer: A

ATM is the most widespread bandwidth technique used on the Internet backbone.

---

**QUESTION 94**

Which technology provides an interactive 3-D environment?

- A. Java
- B. JavaScript
- C. HTML
- D. VRML

Answer: D

VRML, Virtual Reality Modeling Language, allows the display of 3-D objects.

---

**QUESTION 95**

Based on speed and cost, which Internet bandwidth link type would be the best choice for a small ISP serving 100 dial-up users?

- A. 56K
- B. T1



- C. T3
- D. ATM

Answer: C

Each dial-up user would use a 56Kbps. At least 5.6Mbps would be required to support 100 dial-up users. T1 supports 1.544Mbps, T3 supports 44.736Mbps, and ATM supports 155Mbps. T3 would be the best choice.

---

**QUESTION 96**

Which two TCP/IP utilities are the most similar in function?

- A. PING
- B. NETSTAT
- C. ARP
- D. TRACERT

Answer: A, D

Both the Ping and the TRACERT utility test connectivity.

---

**QUESTION 97**

A \_\_\_\_\_ is an SMTP server that sends e-mails it receives to a list of e-mail recipients, forming a "discussion group"?

- A. List server
- B. E-commerce server
- C. Web server
- D. News server

Answer: A

A list server uses either SMTP or POP3.

Incorrect Answers

A web server uses HTTP/HTTPS.

A new server uses NNTP.

---

**QUESTION 98**

In order to be an e-commerce server, a computer must offer what services?

- A. File transfer
- B. Credit card authentication
- C. Directory queries
- D. Virtual shopping cart services

Answer: B

An e-commerce server must provide credit card authentication.

---

**QUESTION 99**

Which network hardware device will improve network performance?

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

Answer: A

A router can be used to divide the network into separate subnets. This would increase the network performance by decreasing the network traffic.

---

**QUESTION 100**

An attack motivated by money is only worthwhile if

- A. The value of the attack's results are worth more than the cost of the attack.
- B. The attacker is a paid professional
- C. The attack is on an E-commerce server
- D. Money is transferred to the attacker's account.

Answer: A

An attack motivated by money has the aim to be profitable.

---

**QUESTION 101**

If you try to go to a web site and the browser receives the message "The server is not responding", what could be the problem?

- A. There is a misconfigured router.
- B. The server does not have a DNS entry.
- C. The server is overloaded.
- D. The file does not exist on the server.

Answer: C

The server could be overloaded.

A misconfigured router or a missing DNS entry would prevent access to the server.

A missing file would produce another error message.

---

**QUESTION 102**

You can send e-mail, but you cannot receive it. Which protocol is probably the culprit?

- A. SMTP
- B. POP3
- C. TCP
- D. UDP

Answer: B

SMTP allows the sending of mail messages. IMAP and POP are used to receive e-mail messages.

TCP and UDP are lower level protocols, not application protocols.

**QUESTION 103**

True or false: Telnet servers present no security risk.

- A. True
- B. False

Answer: B

The telnet service is known to be a security risk both on UNIX/LINUX and on Windows systems.

---

**QUESTION 104**

Which of the following has the least impact on apparent web site performance?

- A. RAM in the client
- B. RAM in the server
- C. Cache size
- D. Client connection speed

Answer: A

The RAM on the client is less important than the RAM of the server, the size of the temporary internet file cache, or the connection speed.

---

**QUESTION 105**

The success of a banner ad is usually measured in

- A. Click through rate
- B. Number of views
- C. Graphic design
- D. Link through rate

Answer: A

When someone is interested in your banner ad, they click on it, and are transported to your Web site. Every time someone clicks on your banner, it is called a "click-through," and the "click-through rate" is expressed either in per cent or clicks per thousand.

---

**QUESTION 106**

A tunneling protocol is used to facilitate

- A. Firewalls
- B. E-commerce
- C. VPNs
- D. Dial-up connections

Answer: C

Virtual Private Networks (VNP) are implemented through tunneling protocols such as PPTP or L2TP.

---

**QUESTION 107**

What protocol is the Internet based on?

- A. TCP/IP
- B. NetBEUI
- C. LPR
- D. IPX/SPX

Answer: A

Internet uses the TCP/IP protocol.

---

**QUESTION 108**

Why can't U.S. sites support browser encryption that uses keys longer than 40 bits?

- A. Such technology is regarded as munitions grade by the U.S. government.
- B. Foreign governments do not allow such strong encryption techniques.
- C. Firewalls will not allow data with 40-bit key encryption through.
- D. Long keys can't be transmitted across a WAN.

Answer: A

US government has export restrictions on such technologies.

---

**QUESTION 109**

What is the fastest video card mode for displaying web graphics?

- A. 8 bit
- B. 24 bit
- C. 32 bit
- D. 64 bit

Answer: D

A higher bus bred provides a faster card.

---

**QUESTION 110**

What is one limitation of web browser cookies?

- A. There is no size limit to cookies.
- B. Cookies are limited to 6 KB.
- C. There can be a maximum of 20 cookies per domain.
- D. There is no limit on the number of cookies.

Answer: C

20 is the maximum number of cookies most browsers maintain per domain.

---

**QUESTION 111**

If no expiration date is set, how long will the cookies stay in effect?

- A. Forever
- B. Until the computer is rebooted.
- C. 30 days
- D. One year

Answer: B

Setting no expiration date on a cookie causes it to expire when the browser closes. The browser would close it the system is rebooted.

---

**QUESTION 112**

Which standard allows several "virtual servers" all using different DNS names that are resolved to the same IP address?

- A. HTML 4
- B. JAVA 1.0
- C. HTTP 1.1
- D. JavaScript 2

Answer: C

The HTTP 1.1 protocol supports virtual servers.  
HTML 4 is markup language standard, not a protocol standard.  
JAVA and JavaScript are programming languages.

---

**QUESTION 113**

Browsers commonly support which client-side scripting language?

- A. PERL
- B. CGI
- C. JavaScript
- D. JAVA

Answer: C

Most browsers supports JavaScript (or J-script): PERL, CGI are server-side script languages. JAVA is a programming language, not a script language.

---

**QUESTION 114**

Configuring a router to advertise routes that either don't exist or aren't where they say they are, is known as what kind of an attack?

- A. Man-in-the-middle
- B. Ping Flood
- C. SYN Flood
- D. Spoofing

Answer: D

## [IK0-002](#)

A spoofing attack is when someone changes their identity to make them look like someone else. This could be accomplished by incorrect configuration of a router.

Incorrect Answers

A Ping Flood is when the attacked computer receives a high amount of PINGs (ICMP echo request) which eventually could make the computer unusable.

A SYN Flood works like a Ping Flood but with SYN packets instead.

Both Ping Flood and SYN flood attacks are known as DoS (Denial of Service) attacks.

A man-in-the-middle attack is where someone intercepts the communication between two partners.

---

### **QUESTION 115**

If you want to have secure communications on your intranet, what must you implement in order to create your own key pairs?

- A. A VPN
- B. An intranet
- C. A certificate server
- D. An FTP server

Answer: C

A certificate server is required to create key pairs.

---

### **QUESTION 116**

Where do the majority of security violations within corporate networks come from?

- A. Employees
- B. Hackers
- C. Other businesses
- D. Internet

Answer: A

Most security violations within a corporate network are performed by employees.

---

### **QUESTION 117**

Which security is the standard for secure online transactions?

- A. SET
- B. SSL
- C. VPN
- D. X-500

Answer: A

SET (Secure Electronic Transactions) is a standard that allows for secure online credit card transactions on the Internet.

---

### **QUESTION 118**

What is the most significant advantage of the JAVA language?

- A. History of implementation
- B. Ease of learning
- C. Cross-platform interoperability
- D. It is copyrighted.

Answer: C

Explanation: JAVA code compiles to virtual machine code, not native machine code. This makes it platform independent. JAVA code, at least in theory, should be able to run on any platform as long as there is an implementation of the JAVA virtual machine for that platform.

Incorrect Answers

- A: This is not the most significant advantage.
- B: Though easier to learn than C++, JAVA is not known for its ease of learning.
- D: SUN developed JAVA and they have some copyrights for the language. These are not an advantage though.

---

**QUESTION 119**

The default subnet mask for the IP address 189.203.40.99 is?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 255.255.255.255

Answer: B

Explanation: Class B addresses are in the 128.0.0.0 to 191.255.255.255 range. Class B addresses have 16-bit subnet mask as default.

Incorrect Answers

- A: Class A addresses have a default subnet mask of 255.0.0.0. However, Class A addresses are in the 1.0.0.0 to 126.255.255.255 range.
- C: Class C addresses have a default subnet mask of 255.255.255.0. However, Class C addresses are in the 192.0.0.0 to 223.255.255.255 range.
- D: A 32 subnet mask is not used by any network by default.

---

**QUESTION 120**

An attempt to access Internet web site return "host unreachable". Which is the likely reason?

- A. DNS Server
- B. Gateway address
- C. WINS address
- D. DHCP

Answer: A

Explanation: Host unreachable could be caused by a name resolution problem. The host name cannot be

resolved to an IP address. On Internet host name resolution is implemented by the DNS service.

Incorrect Answers

B: A gateway address (or default gateway address) is used so that computers are able to reach resources outside their local network.

C: WINS is a Windows name resolution service. It resolves NetBIOS name to IP addresses. WINS cannot be used on Internet.

D: DHCP is used to automate IP configuration.

---

**QUESTION 121**

Which of the following commands will return DNS information for Certkiller .org?

- A. Nslookup
- B. Ping
- C. Echo
- D. Tracert

Answer: A

Explanation: NSLOOKUP is a useful tool for troubleshooting DNS problems such as host name resolution. NSLOOKUP allows you to display resource records on DNS servers. The command nslookup Certkiller .org returns the IP address of the host name Certkiller .org.

Incorrect Answers

B: PING is used to test connectivity. It will not return any DNS information.

C: The ECHO command does not return any DNS information. It is a toggle for local echoing of characters.

D: TRACERT is used to trace a route from the source to the destination.

---

**QUESTION 122**

What is the potential effect of search engine spamming?

- A. content important to users
- B. higher search engine rank
- C. search is more useful
- D. increased search engine value

Answer: B

Explanation: Search engine spamming is a technique that is used to try to fool the search engines into giving the site a higher search engine rank.

An example of search engine spamming is when a word is repeated hundreds of times on a page, to increase the frequency and propel the page higher in the listings.

Note: Search engine spiders are far more intelligent than they were just a few years ago, and they will quickly pick up on attempts to spam them. Instead of getting a higher search engine rank you can get penalized and receive a lower rank instead. In worst case you get banned from your web hotel.

Incorrect Answers

A: The search engine spamming technique does not provide content that are important to users.



- C: Search engine spamming does not produce more useful search results.
  - D: Search engine use ranking, not values, to decide which result search engines should produce.
- 

**QUESTION 123**

Role of roots servers in a DNS hierarchal structure provides?

- A. Name address conversion
- B. Address of authoritative server
- C. Address of mail server for domain names
- D. IP Gateway to the Internet

Answer: B

Explanation: A root server for a domain is authoritative for that domain.

Incorrect Answers

A: A root server does not perform name address conversion.

Note: In general DNS server provide name address resolution, not conversion.

C: Root servers do not, by themselves, provide address to any specific mail servers.

D: Root servers are not IP gateways to the Internet.

---

**QUESTION 124**

Which of the following network connection devices enables a company to use a range of IP addresses on an intranet and allows the use of Internet?

- A. LDAP Server
- B. SNA gateway
- C. NAT Server
- D. X.500 directory Server

Answer: C

Explanation: A Network Address Translation (NAT) server provides a LAN with Internet access, but only use a small amount, a range, of public IP addresses. This is achieved by map the external address and virtual port numbers to internal IP addresses.

Incorrect Answers

A: A LDAP Server provides directory services.

B: A SNA gateway allows Windows computers access to IBM servers.

D: A X.500 directory Server is an older type of directory server.

---

**QUESTION 125**

A customer wants to implement a contest on a customer web site. Which is best suited?

- A. Quick Time
- B. MPEG
- C. Flash
- D. PDF

Answer: C

Explanation: Flash can be used to implement many type of interactive programs, for example contests.

Incorrect Answers

A: QUICKTIME is a multimedia format.

B: MPEG is used to provide multimedia (movies and sound) to users.

D: The PDF format is best suited to provide documents in a standardized platform independent format.

---

**QUESTION 126**

Which of the following is a set of routines, tools, protocols use to write applications for an Operating System?

- A. SQL
- B. XSL
- C. API
- D. DTD

Answer: C

Explanation: An API (Application Programming Interface) is a library of routines, tools, protocols for an operating systems. The API is used by software developers.

Incorrect Answers

A: SQL (Structured Query Language) is the programming language of most relational database systems such as SQL Server, Oracle and DB2.

B, D: XLS or DTD do not apply here.

---

**QUESTION 127**

Which of the following is unique of XML?

- A. Describes how should look in the browser
- B. Permits customizable tags
- C. Establishes client-server relation
- D. Enables DHTML

Answer: B

Explanation: XML (eXtensible Markup Language) is a markup language for documents containing structured information. Using XML you can construct your own tags.

Incorrect Answers

A: HTML also provides this functionality.

C: XML is not use to establish a client-server relation.

D: DHTML is the combination of several built-in browser features in fourth generation browsers that enable a web page to be more dynamic

---

**QUESTION 128**

Which has audio and video?

- A. GIF
- B. JPG
- C. PDF
- D. MPEG

Answer: D

Explanation: The MPEG (Moving Picture Experts Group) format is used for digital video and audio files.

Incorrect Answers

- A: GIF supports only simple animations.
  - B: JPEG/JPG only compresses pictures.
  - C: PDF is document standard. It does not support multimedia.
- 

**QUESTION 129**

Which index enables search of a site for a specific phrase?

- A. Static
- B. Site map
- C. Keyword
- D. Full Text

Answer: D

Explanation: To search for a specific phrase a Full Text search must be performed.

Incorrect Answers

- A: Only a static index would not allow a search for a specific phrase.
  - B: A site map is used to graphically represent your site.
  - C: The keyword search index enables search for particular words, not for phrases.
- 

**QUESTION 130**

A three homed firewall is part of \_\_\_\_\_?

- A. DMZ
- B. Gateway
- C. Packeting filtering
- D. Stateful inspection

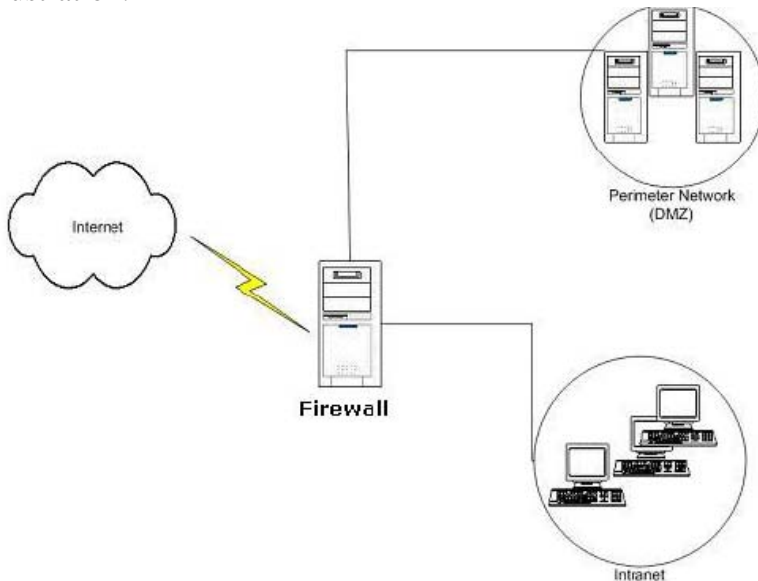
Answer: A

Explanation: A three home firewall is a server with three Network Adapters (NICs) that is running a firewall application, such as ISA Server 2000. One of the NICs connects to the perimeter network, which is also called the Demilitarized Zone (DMZ). The second NIC is connected to the public network, typically the Internet. The third is connected to the Intranet. The idea of this configuration is to protect the intranet from being access from

## IK0-002

the public network. Public users are only allowed to access some source in the DMZ. They are not allowed to access the intranet at all.

Illustration:



Incorrect Answers

B: A gateway is used to translate between dissimilar systems.

C: Packet filtering is one of techniques firewalls use to block certain traffic. This is not specific for three homed firewalls however.

D: Stateful inspection is also referred to as dynamic packet filtering. It is a firewall architecture that works at the network layer.

---

### **QUESTION 131**

You want to ensure that the newest data is always loaded when you visit a particular website. What should you do?

- A. Clear the history on your client computer.
- B. Decrease the size of cache on your client computer.
- C. Increase the size of cache on your client computer.
- D. Press refresh each time you visit the website.

Answer: D

Explanation: The refresh button explicitly forces a reload of the page. The most current page will be displayed.

Incorrect Answers

A: Clearing the history is only a listing of visited web sites. Clearing it would do anything good in this scenario.

B: Decreasing the cache size would force the browser to reload content more often. However, it would not guarantee the latest data would be displayed.

C: Increasing the cache size would only improve performance.

---

### **QUESTION 132**

Which of the following provides a specification for performing online credit card transaction processing?

- A. SSL
- B. VPN
- C. RPC
- D. SET

Answer: D

Explanation: SET (Secure Electronics Transactions) is a standard for using digital signatures to uniquely identify users and allow for credit card transactions over the Internet.

Incorrect Answers

- A: SSL (Secure Socket Layers) allows data to be transmitted across a secure connection. However, it is not used by itself to perform online credit card transaction processing.
- B: VPN (Virtual Private Networking) is not used for credit card transactions. VPN implements a secure tunnel between two nodes through an insecure public network.
- C: RPC (Remote Procedure Calls) can be used to distribute the workload of application. It is not used for credit card processing.

---

**QUESTION 133**

You alter the header of a TCP/IP packet to be able assume the identity of another device. What type of attack did you conduct?

- A. Identity Theft
- B. Back door
- C. Spoofing
- D. Trap door

Answer: C

Explanation: Spoofing is where the attacker uses a weakness of the no authentication mechanisms of TCP/IP protocol to create 'fake' packets from a trusted host to another. So now the trusted, but not allowed host, can use the services which was forbidden before.

---

**QUESTION 134**

Which of the following can be tested with a web browser without a network connection?

- A. Server side includes
- B. Client side scripting
- C. Server side scripting
- D. DNS

Answer: B

Explanation: Client side scripts are run on the client. No network connection is required.

---

**QUESTION 135**

What does MIME stand for?

- A. Multi Input Multimedia Extension
- B. Multimedia Integrated Mail Extension
- C. Multipurpose Internet Mail Extension
- D. Management of Integrated Mail Extension.

Answer: C

Explanation: The abbreviation MIME stands for Multipurpose Internet Mail Extension.

---

**QUESTION 136**

Which programming languages enables programmers to put cookies on client machines? (Select two)

- A. PERL
- B. XML
- C. Java Script
- D. SQL

Answer: A and C

Explanation:

A: PERL is a server-side programming language. PERL programs can be used to create cookies that are placed on the clients machines.

C: Java Script is a client side scripting language. Java Scripts can be programmed to put cookies on client machines.

Note: A Cookie is a text file. It can be created via a Perl script, Javascript, Active Server Pages etc.

Incorrect Answers

B: XML is a extended markup language.

D: SQL is a general purpose relational database programming language.

---

**QUESTION 137**

Which broadband relay method sends information in 53 bit cells and is known to operate from 155 Mbps to 622 Mbps and faster?

- A. Integrated Service Digital Network (ISDN)
- B. Synchronous Optical Network (SONET)
- C. Asynchronous Transfer Mode (ATM)
- D. Asynchronous Digital Subscriber Line (ADSL)

Answer: C

Explanation: ATM sends information in 53 bit cells. ATM can operate at high speeds such 155Mbps and 622Mbps.

---

**QUESTION 138**

To distribute directory information, which protocol does a Directory Server use?

- A. Address Resolution Protocol (ARP)
- B. Service Advertising Protocol (SAP)
- C. Lightweight Directory Access Protocol (LDAP)
- D. Server Message Block (SMB)

Answer: C

Explanation: LDAP is Internet standard protocol for accessing directory information. LDAP is an open standard and is replacing the older X.500 standard.

Note: A directory is a specialized database that is optimized for lookups.

---

**QUESTION 139**

What is the universal character and coding standard used for the representation of multi-lingual text for computer processing?

- A. Pancode
- B. Unicode
- C. HTTP
- D. Post-Alphanumeric

Answer: B

Explanation: Unicode provides a unique number for every character, no matter what the platform, no matter what the program, no matter what the language.

---

**QUESTION 140**

Which of the following describes PULL technology?

- A. Your browser requests a page from a web server and displays the page.
- B. A web server automatically delivers updates to the content of a web site to users' desktops.
- C. A web server notifies you of a change to the content of a specific websites.
- D. Web content updates are sent via email.

Answer: A

Explanation: A pull technology involves an active part that pulls information from a provider. For example a web browser that pulls information from a web server.

---

**QUESTION 141**

What should you check, if you have uploaded a web page to the server and the images are not displayed?

- A. HTML loaded in the wrong FTP mode.
- B. Image source URL

- C. Browser Version
- D. MIME type sent on server

Answer: B

Explanation: The URL used for the image might simply be incorrect.

Incorrect Answers

- A: FTP mode does not apply to web pages.
- C: Practically all browsers support images.
- D: MIME (Multi-purpose Internet Mail Extensions) is not used for web pages. MIME is the Internet standard for sending multiple part, multi-media electronic mail. It is typically used to send images, sounds, word processing documents, programs, and even plain text files via electronic mail and the Internet. In order to take advantage of MIME, all you need is a MIME-compatible mail program.

---

**QUESTION 142**

Which of these is a browser vendor dependent language?

- A. SQL
- B. JAVA
- C. PERL
- D. VB SCRIPT

Answer: D

Explanation: Visual Basic scripts only run well on the Internet Explorer browser.

Incorrect Answers

- A: SQL is a general purpose relational database programming language.
- B: JAVA is a platform independent language. All modern browsers include a JAVA virtual machine.
- C: PERL is a server side scripting language. It is browser independent.

---

**QUESTION 143**

You want to implement a searchable employee relational database consisting of 420 records on your website. What is the most suitable database language to use?

- A. VB Script
- B. JAVA Script
- C. SQL
- D. Oracle

Answer: C

Explanation: SQL is a general purpose relational database programming language used by SQL Server, Oracle, and DB2 for example.

Incorrect Answers

- A, B: VB Script and Java script are general purpose scripting languages, and not well suited for database



application.

D: Oracle is a database vendor, not a database language. Oracle databases use the SQL database language.

---

**QUESTION 144**

What protocol is being used by directory server?

- A. LDAP
- B. HTTP
- C. FTP
- D. NNTP

Answer: A

Explanation: LDAP is Internet standard protocol for accessing directory information. LDAP is an open standard and is replacing the older X.500 standard.

Note: A directory is a specialized database that is optimized for lookups.

Incorrect Answers

B: HTTP is used by web servers and web clients.

C: FTP is used for file transfers.

D: NNTP is used for newsgroups.

---

**QUESTION 145**

Company X releases a product, before installing where should the technician look for information?

- A. Manufacturer's web site
- B. Readme
- C. Newsgroup
- D. Software Manual

Answer: B

Explanation: The readme file is a good place to get latest installation information.

Incorrect Answers

A: The manufacturer's web site is a good place to search for information on a product. However, the readme file should be sufficient. The web site could be used if further problems arise.

C: This is not the first place to look at.

D: Not all products include a software manual these days. For a technician the readme file should be sufficient.

---

**QUESTION 146**

Which of the following are invalid encoding for email? (Choose two)

- A. Base 64
- B. UUEncode
- C. Zip
- D. Bin Hex

Answer: A, C

Explanation: Example of e-mail encodings are MIME, UUEncode, and BinHEX. ZIP and Base 64 are not valid e-mail encodings.

Note: Microsoft Outlook 2000, as an example, can receive e-mail messages in the MIME, UUENCODE, or BinHex formats. Third party decoding programs include support for Fastcode32, Wincode, and Winzip.

Reference: Microsoft Knowledge Base Article - Q268547, OL2000: Information About Outlook and Encoded Messages

---

**QUESTION 147**

A developer creates a new Web Page. Which would transfer it so that it could to be seen immediately?

- A. Telnet
- B. FTP
- C. E-mail
- D. NNTP

Answer: B

Explanation: FTP can be used to upload the web pages from the local machines to the web server.

Incorrect Answers

A: Telnet is used for remote login access.

B: You can't e-mail web pages to the web site.

D: NNTP is used for newsgroups.

---

**QUESTION 148**

Which device is used to interface a T1 to a LAN?

- A. NT1
- B. Bridge
- C. Hub
- D. CSU/DSU

Answer: D

Explanation: CSU/DSU [Channel Service Unit / Data Service Unit] is a piece of equipment that connects a leased line from the telephone company to the customer's equipment (such as a router). It performs line encoding and conditioning functions and often has a loopback function for testing.

Note: Although CSU/DSU's look similar to modems, they are not modems, and they do not modulate or demodulate between analog and digital. All they really do is interface between a 56K, T1, or T3 line and serial interface (typically a V.35 connector) that connects to the router. Many newer routers have 56K or T1 CSU/DSUs build into them.

Incorrect Answers

A: A NT1 is an ISDN device that provides the basic functionality of a CSU/DSU in an ISDN environment. A NT1 could not be used to interface a T1 connection however.

- B: A bridge connects two network segments.
  - C: A hub provides network access for multiple devices.
- 

**QUESTION 149**

Which of the following should be done on a web server in preproduction to ensure server can handle expected level of requests?

- A. Multiple router tests
- B. Network configuration analysis
- C. Router load evaluation
- D. Stress test

Answer: D

Explanation: A stress test should be performed.

---

**QUESTION 150**

A developer wants to integrate a relationship with a website by using ODBC. What should he create?

- A. Distinguished Name
- B. Data source binding
- C. Link between data source and site
- D. Data Source Name

Answer: D

Explanation:

Using an ODBC connection is a two step process.

- 1) You must first create the DSN (Data Source Name )via the "ODBC Data Source Administrator" program found in your computer's Control Panel (or Administrative Tools menu in Windows 2000)..
  - 2) Then use specify a connection string.-
- 

**QUESTION 151**

Repudiatis is \_\_\_\_\_?

- A. Someone accesses or misuses computers to intercept information
- B. Stole Credit Card Numbers
- C. A Vandal fakes a site
- D. Transaction is denied by authorized party

Answer: C

---

**QUESTION 152**

A company wants to automate database to transfer data with a partner, what should they use?

- A. EDI

- B. OTP
- C. SET
- D. TTS

Answer: A

Explanation: Electronic data interchange (EDI) is a complex set of standards and technologies for automating the exchange of routine business documents between trading partners.

---

**QUESTION 153**

Verisign is an \_\_\_\_\_?

- A. Certificate authority
- B. Security enabler
- C. Authentication
- D. Digital signature

Answer: A

Explanation: VeriSign is a leader in managed digital certificate services for enterprises, electronic commerce service providers, and individuals.

---

**QUESTION 154**

A user's password on an FTP server

- A. Cannot be a users e-mail address.
- B. Requires key encryption.
- C. Cannot be changed by an FTP client.
- D. Must be changed on scheduled intervals.

Answer: C

Explanation: A password must be changed at the FTP server not by an FTP client.

Incorrect Answers

- A: E-mail can be used as password.
  - B: The password does not require key encryption.
  - D: There is no requirement to change the FTP password at scheduled intervals.
- 

**QUESTION 155**

On a computer running e-mail client software, which of the following should be used?

- A. RAM simulator
- B. Anti-virus software
- C. SNMP software
- D. Web browser

Answer: B

Explanation: Most viruses spread through e-mail. It is therefore important to use anti-virus software.

Incorrect Answers

A: A RAM simulator is no of no use in regard to e-mails.

C: SNMP (Simple Network Management Protocol) is used to monitor networks.

D: A web browser is not required if you have e-mail client software such as MS Outlook, Outlook Express or Eudora.

---

**QUESTION 156**

To establish a connection in an FTP client, which command do you use?

- A. Connect
- B. Access
- C. Open
- D. Log In

Answer: C

Explanation: The Open command is used to open a FTP connection.

---

**QUESTION 157**

You are unable to connect to the Internet. You successfully ping 127.0.0.1 and your own IP address but are unable to ping your router's IP address. What is the most probable cause?

- A. Your DNS server is down.
- B. Your network adapter is not functioning correctly.
- C. TCP/IP is not installed on your computer.
- D. You are using the wrong subnet mask on your computer.

Answer: D

Explanation: An incorrect subnet mask could make the router unreachable.

Incorrect Answers

A: We are not using any host names, only IP addresses. So we are not dependant on the DNS.

B: As we can successfully ping 127.0.0.1, the loopback address, we know that the network adapter is functioning.

C: We can ping so TCP/IP is installed and functional.

---

**QUESTION 158**

Which of the following is always connected directly to the Internet backbone?

- A. LEC (Local Exchange Carrier)
- B. NAP (Network Access Point)
- C. ISP (Internet Service Provider)
- D. POP (Point of Presence)

Answer: B

Explanation: Network Access Point, a public network exchange facility where Internet Service Providers (ISPs) can connect with one another in peering arrangements. The NAPs are a key component of the Internet backbone because the connections within them determine how traffic is routed. They are also the points of most Internet congestion. Internet Service Providers are directly connected to the Internet backbone.

---

**QUESTION 159**

You need an address book accessible to all employees within your company. You must be able to update this address book and grant all employees immediate access to set changes without having import an entirely new address book. Which type of server must you install and configure?

- A. Certificate Server
- B. Name Server
- C. NIS Server
- D. Directory Server

Answer: D

Explanation: A directory is a specialized database that is optimized for lookups. A directory server provides access to directory information.

---

**QUESTION 160**

Consider the following code:

```
<BR>  
script= "java script"<BR>  
!-- If self=top<BR>  
top.locations-self.location>!-- <BR>  
/ script<BR>
```

This code reduces the right of copy write violation by?

- A. Enhancing the trademark viability of your site.
- B. Preventing some one from using your site in a frame of their site.
- C. Exhibiting right to copyright.
- D. Encrypting all text.

Answer: B

Explanation: The code prevents use of the site in a frame of their site.

---

**QUESTION 161**

Which of the following technologies is ideal for a school that wants to distribute instructional lectures to all its satellite campuses that connect via a low bandwidth dial up connection?

- A. Real Media

- B. ShockWave
- C. Web TV
- D. QTVR (Quick Time Virtual Reality)

Answer: A

Explanation: Streaming media, such as Real Media, should be used on the low bandwidth connection.

---

**QUESTION 162**

A CGI program executes on the

- A. Client
- B. Server
- C. Server then the client
- D. Client and the server

Answer: B

Explanation: CGI scripts are always run at the server.

---

**QUESTION 163**

Which of the following are limitations of web browser cookies? (Choose two)

- A. There is no size limit to cookies.
- B. There is no limit on the number of cookies.
- C. Cookies are limited in size.
- D. Domains are limited by the number of cookies they can deposit on individuals' computers.

Answer: C, D

---

**QUESTION 164**

You are trying to access a site with its url (<http://www.Certkiller.com>) and are provided with the error "404 - File not found." What is the most likely cause?

- A. There is no file that matches the server's default name.
- B. The firewall is configured incorrectly for this site.
- C. The default file is not an HTML file.
- D. The DNS entry is not correct for this site.

Answer: A

Explanation: The error message "File not found" indicates that no file matches the server's default name.

---

**QUESTION 165**

Which forwards information based on MAC addresses?

**IK0-002**

- A. gateway
- B. router
- C. bridge
- D. hub

Answer: C

Explanation: Bridges work at the Data Link Layer of the OSI model. Bridges use MAC address to forward data to the correct destination.

Incorrect Answers

A: A gateway translates between dissimilar systems.

B: A router works at the network layer and use logical addressing, typically IP, to forward data to the destination.

D: Hubs works at the physical layer distributing the signal.

---

**QUESTION 166**

Pages are taking too long to load on a workstation what is the source of the problem?

- A. Hard Drive capacity of the workstation
- B. Improper DNS configuration on the Web server.
- C. The size of the Graphics on the Web page.
- D. CPU speed of the workstation

Answer: C

Explanation: Pages most likely refers to web pages. Web pages that contains large size graphics takes longer time to load.

---

**QUESTION 167**

Which of the following should a developer do before using client side scripting from a third party?

- A. verify the copyright
- B. compile the code
- C. verify the server compatibility
- D. remove all comments

Answer: A

Explanation: The third party code might be copyrighted.

Incorrect Answers

B: Client side scripts are interpreted at runtime, not compiled.

C: Client side scripts run on clients not on the server.

D: It is not a good practice to remove comments from 3rd party code.

---

**QUESTION 168**

What is the opening and closing tag pair for HTML?



- A. <Head></Head>
- B. <Body></Body>
- C. <HTML></HTML>
- D. <Title></Title>

Answer: C

Explanation: The <HTML> and </HTML> tags encloses every HTML page.

---

**QUESTION 169**

Which is an HTML tag to produce numbers?

- A. <NL>
- B. <OL>
- C. <UL>
- D. <LI>

Answer: B

Explanation: The ordered list tag, <OL>, produces a numbered list.

---

**QUESTION 170**

Which of the following is a common error of International English language of a web site?

- A. Improper use of punctuation
- B. Use of Slang
- C. Use of emerging standards
- D. Improper use of capitalization

Answer: B

---

**QUESTION 171**

Which protocol develops a secure connection across public a network?

- A. PPP
- B. PPPoE
- C. PPTP
- D. SLIP

Answer: C

Explanation: Point to Point Tunneling Protocol (PPTP) is used to create point-to-point connections through a secure tunnel. A Virtual Private Network (VPN) connection is established.

Incorrect Answers

A: The Point-to-point protocol (PPP) is used for WAN connections. The password is encrypted, however the

## [IK0-002](#)

data might be send unencrypted. It does not necessarily implement a secure connection.

B: PPPoE is an acronym for "Point-to-Point Protocol over Ethernet". Simply put, it's a way of doing PPP through an Ethernet network. It is frequently used by ADSL client when they connect to their ISP.

D: SLIP is a legacy remote access protocol which has been replaced by PPP.

---

### **QUESTION 172**

Which is required prior to reviewing auditing logs

- A. Enable auditing
- B. Back up logs
- C. Redirect logs
- D. Disable logs

Answer: A

Explanation: On most systems auditing is disabled by default. The reason for this is that auditing put an extra burden on the system. Therefore Auditing has to be explicitly enabled.

---

### **QUESTION 173**

You want to locate information about hotels or car rentals in Arcadia, Illinois. To perform an advanced search on a search engine, what is the best command string to enter?

- A. Illinois "Arcadia AND hotels AND car rentals"
- B. Arcadia AND hotels OR car rentals
- C. (Arcadia AND Illinois) hotels OR "car rentals"
- D. (Arcadia AND Illinois) (hotels OR car rentals)

Answer: B

Explanation: The web pages should contain the word Arcadia and either the word hotels or the words car rentals. This assures us that we find hotels and car rentals in Arcadia.

Note: This is not a perfect search string. Google gives the following feedback on it:

The "AND" operator is unnecessary -- we include all search terms by default.

Incorrect Answers

A: The search string " Arcadia AND hotels AND car rentals " would only find match web pages which has this exact phrase. Most likely no web pages would has this specific phrase.

C, D: Parenthesis should not be used.

---

### **QUESTION 174**

As network administrator, you want to allow the company to create its own security keys on a network of mixed client and server types. Which type of server will you need to install?

- A. Transactional Server
- B. Network Gateway Server
- C. Certificate Server
- D. Messaging Server

Answer: C

Explanation: A Certificate Server manages certificates. The certificates can be used for security keys.

---

**QUESTION 175**

A client has received a Java Script error message indicating reference to an undefined object. Which of the following is a possible explanation?

- A. Incorrect Java Script setting in the browser.
- B. The browser does not support the correct object model.
- C. The anti-virus software is interfering with the Java Script interpretation.
- D. The server failed to create the correct object library.

Answer: B

Explanation: The object type might be unknown to the object model used by the browser.

---

**QUESTION 176**

Which device will not allow a PC to connect to the Internet?

- A. Cable modem
- B. Virtual modem
- C. Broad band modem
- D. Voice grade modem

Answer: B

Explanation: A virtual modem is just a software program. To access Internet you need a physical device such as a modem.

---

**QUESTION 177**

Which of these is a valid Class B address?

- A. 126.115.48.4
- B. 193.115.48.4
- C. 10. 1 15.48.4
- D. 130.120.48.4

Answer: D

Explanation: Class B networks use a default subnet mask of 255.255.0.0 and have 128-191 as their first octet.  
Incorrect Answers

A, C: Class A networks use a default subnet mask of 255.0.0.0 and have 0-126 as their first octet.

B: Class C networks use a default subnet mask of 255.255.255.0 and have 192-223 as their first octet.

---

**QUESTION 178**

The only protocol that can be carried by SLIP is

- A. DLC
- B. IPX
- C. IP
- D. SPX

Answer: C

Explanation: SLIP is a legacy remote connection protocol that only works with IP.

---

**QUESTION 179**

Channel definition format helps to \_\_\_\_\_?

- A. Implement PUSH technology.
- B. Centralize web site management.
- C. Index search engine databases.
- D. Create a channel of input from web site visitors.

Answer: A

Explanation: The Channel Definition Format is an open specification that permits a web publisher to offer frequently updated collections of information, or channels, from any web server for automatic delivery to compatible receiver programs on PCs or other information appliances. The information is pushed by the web publisher to the client.

This is a Microsoft standard that has not been so popular.

---

**QUESTION 180**

You want to implement OLTP in an e-commerce business application. Which of the following is the easiest to implement?

- A. XML
- B. Object oriented database
- C. Relational Database
- D. Object request program

Answer: C

Explanation: Online Transactional Programming (OLTP) are almost always implemented on a relational database such as Microsoft SQL Server, Oracle or DB2.

---

**QUESTION 181**

How many web safe colors are available for a designer to use when designing web graphics?

- A. 16

- B. 256
- C. 1024
- D. 256,359

Answer: B

Explanation: This is the best option, though not a perfect answer. The Web safe color palette contains 216 colors which are both supported by PCs and MACs.

---

**QUESTION 182**

Dissimilar network topologies are connected by which hardware device?

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

Answer: A

Explanation: A gateway is a device or program that can translate and connect dissimilar systems. The gateway translates between the systems.

---

**QUESTION 183**

Technician needs a patch for a client application after a download, what is the next step?

- A. Reinstall current version of the application
- B. Remove the current version and install the update only
- C. Apply patch to the current version
- D. Install previous version and apply the patch

Answer: C

Explanation: A patch is by definition applied after the installation of the program. There is no need to remove or reinstall the application.

---

**QUESTION 184**

What is the most common cause of disconnection?

- A. Virus
- B. Line Noise
- C. Modem too slow
- D. Computer too slow

Answer: B

Explanation: Line noise is the most common cause of disruption of remote connections.

Incorrect Answers

- A: Disconnections by viruses are very rare.
  - C, D: Low speed does not, in general, cause a disconnection.
- 

**QUESTION 185**

Which is C2C model?

- A. store front
- B. auction site
- C. E-business
- D. Portal

Answer: B

Explanation: C2C stands for consumer to consumer. C2C is an action model.

---

**QUESTION 186**

What is the proper syntax for copyright in the head of an web page?

- A. <COPYRIGHT value= " ">
- B. <META NAME = "copyright" Contents = "">
- C. <COPYRIGHT attribute = " ">
- D. COPYRIGHT & #copy; 2001

Answer: B

Explanation: We use the <META> tag and a copyright attribute in the HEAD of the HTML page to specify the copyright of the HTML page.

Sample:

```
<HEAD profile="http://www. Certkiller .com/profiles/main">  
<TITLE>How to complete Memorandum cover sheets</TITLE>  
<META name="author" content="John Doe">  
<META name="copyright" content="© 2002 Certkiller ">  
<META name="keywords" content="corporate, guidelines, cataloging">  
<META name="date" content="2002-02-06T12:23:37+03:00">  
</HEAD>
```

Incorrect Answers

- A, B: There is no COPYRIGHT tag in HTML.
  - D: This just displays text.
- 

**QUESTION 187**

A company that gathers goods from many sources is called \_\_\_\_\_?

- A. Aggregator
- B. Affiliate
- C. Subsidiary

D. Franchise

Answer: A

Explanation: An aggregator collects goods or information from many sources.

For example: a business to business aggregator acts as a trusted intermediary, helping partners to:

- find one another
  - establish trading agreements
  - integrate their trading processes
- 

**QUESTION 188**

A photo is uploaded to the server, the client is unable to view, what would cause this problem?

- A. transfer in Binary mode
- B. transferred in ASCII mode
- C. with hash options
- D. with glob options

Answer: B

Explanation: This scenario is about transferring files with FTP. Binary files should not be transferred in ASCII mode. ASCII mode transfers might include translations that corrupt the file.

Incorrect Answers

A: Binary mode transfers exact copies of the files. Binary mode should be use photographs. In fact, it is always safe to choose binary mode.

C, D: These are not FTP options.

---

**QUESTION 189**

You want to download a file from an FTP server named photos. Certkiller .net. The Certkiller .net FTP server requires a username and password. Which URL should be used to access this server from your web browser?

- A. FTP://username@//photos. Certkiller .net
- B. FTP://username@password:photos. Certkiller .net
- C. FTP://username:password@photos. Certkiller .net
- D. FTP:username:password/photos. Certkiller .net

Answer: C

Explanation: The usual URL format for doing an anonymous ftp from web browser is :

ftp://ftp.whatever.com/

If you need to do a non-anonymous ftp (in other words, if you want to ftp into a specific account on the ftp server), then use the URL:

ftp://username@ftp.whatever.com/

You will then be prompted for your ftp password. Alternately, you can put the password directly into the URL:

ftp://username:password@ftp.whatever.com/

**QUESTION 190**

A virus can affect which of the following?

- A. Bridge
- B. Network Adapter
- C. Gateway
- D. Hub

Answer: C

Explanation: Viruses attack software. Gateways are most often implemented by software and is therefore a target of viruses.

Incorrect Answers

A, B, D: Bridges, network adapters, and hubs are hardware and cannot directly be affected by viruses.

---

**QUESTION 191**

Consider the following list:

1. Web Browser
2. TCP/IP
3. Windows 98

Which component is missing to allow this client Internet access?

- A. E-mail Client
- B. Operating System
- C. Network Connection
- D. DNS Server

Answer: C

Explanation: A network connection is missing.

Incorrect Answers

A: An e-mail client is not necessary for internet access.

B: We already have a operating system: Windows 98.

D: A DNS server is not required for internet access. Usually the Internet Service provider provides access to a DNS server.

---

**QUESTION 192**

Telnet requires which protocol to function?

- A. NWLink
- B. IPX/SPX
- C. TCP/IP
- D. LDAP

Answer: C



Explanation: The telnet protocol is part of the TCP/IP suite of protocols.

---

**QUESTION 193**

To display protocol statistics and current TCP/IP connections, which command should be used?

- A. IPCONFIG
- B. NETSTAT
- C. TRACERT
- D. ARP

Answer: B

Explanation: NETSTAT is a command-line program that displays information about a TCP/IP computer's current network connections and about the traffic generated by the various TCP/IP protocols.

---

**QUESTION 194**

The LANG attribute of an HTML tag is used to verify the language of

- A. HTML tags
- B. Contained elements in the document
- C. HTTP headers
- D. Server side includes

Answer: B

Explanation: The LANG tag will allow for switching back and forth within a given document between languages.

---

**QUESTION 195**

Point-to-point tunneling protocol is used to create

- A. Intranets
- B. Dialup access servers
- C. FTP service
- D. Virtual private networks

Answer: D

Explanation: PPTP is used to create secure Virtual Private Networks (VPNs) through an insecure public internet, typically internet.

---

**QUESTION 196**

A commonly-used server side scripting language is

- A. SSL

- B. PERL
- C. JAVA
- D. J++

Answer: B

Explanation: PERL is a server-side script languages.

Incorrect Answers

A: SSL stands for Secure Sockets Layer. SSL encrypts the information a web browser and a web server send to each other.

C: JAVA is a general purpose programming language.

D: J++ is a client-side scripting language.

---

**QUESTION 197**

Which of the following can reduce the bandwidth of a corporate Internet connection?

- A. SMTP
- B. IMAP
- C. Gopher
- D. Proxy

Answer: D

Explanation: A proxy server is able to cache global content locally. This can reduce the bandwidth usage and improve network performance.

Incorrect Answers

A, B: SMTP and IMAP are e-mail protocols.

C: Gopher is a legacy Internet protocol which is used to access information through a text-only menu-based system.

---

**QUESTION 198**

An example of an application service provider is a company that provides \_\_\_\_\_?

- A. Order entry applications on a client computer
- B. Dial up access
- C. Off site location for a client
- D. Weather information on a city

Answer: A

Explanation: Application service providers provides access to software for end-users. For example access to an order entry application.

---

**QUESTION 199**

Which topology is most likely to have NAUN and NADN?

**IK0-002**

- A. Bus
- B. Ring
- C. Hierarchal Tree
- D. Mesh

Answer: B

Explanation: The nearest active downstream neighbor (NADN) is the station on a Token Ring network that, during normal operations, receives the token from its nearest active upstream neighbor (NAUN).

---

**QUESTION 200**

Which is an internal enterprise network that uses tools and methods developed for Internet.

- A. Subnet
- B. Extranet
- C. VPN
- D. Intranet

Answer: D

Explanation: An intranet uses the technologies of internet but apply it only at the local network.

---

**QUESTION 201**

Which is the function of a firewall?

- A. surge protect
- B. network address translation
- C. network attenuation
- D. CPU monitoring

Answer: B

Explanation: A firewall main purpose is to control traffic in and out between the local network and the public network. Most firewalls are support network address translation as well.

---

**QUESTION 202**

You access a web site using `https://photos.Certkiller.cats.org/pug/kittens.htm:8080` as the URL. Which part of the URL specifies the fully qualified domain name (FQDN) of this server?

- A. cats.org
- B. photos.Certkiller.cats.org
- C. https:// photos.Certkiller.cats.org/pug/kittens.htm:8080
- D. https:// photos.Certkiller.cats.org

Answer: B

## [IK0-002](#)

Explanation: The server is apparently named photos. Certkiller .cats.org

Incorrect Answers

A: This is the domain name. It does not specify the particular server

C, D: The FQDN name does not contain protocol information such as https.

---

### **QUESTION 203**

Which of the following cannot be used in an extranet as a firewall?

- A. Proxy Server
- B. Packet filtering Gateway
- C. DHCP Server
- D. Circuit level Gateway

Answer: C

Explanation: A DHCP server automates the IP configuration of client computers. It cannot be used as a firewall.

Incorrect Answers

A, B, D: A proxy server, Packet filtering Gateway, and a Circuit level Gateway can all be used as firewalls.

---

### **QUESTION 204**

Anti-virus software

- A. Detects all viruses.
- B. Does not examine a file checksum.
- C. Cannot be updated.
- D. Does not examine data files.

Answer: B

Explanation: The checksum of a file is created when the file is transferred between two locations. Anti-virus software is not used to check file transfers.

Incorrect Answers

A: With current anti-virus technology there are new viruses that cannot be detected by anti-virus software until the anti-virus software is updated.

C: Most modern anti-virus software programs are updated automatically over Internet on a daily basis.

D: All files can be scanned for viruses.

---

### **QUESTION 205**

Which DNS record type identifies the person responsible for a DNS domain?

- A. PTR
- B. RP
- C. CNAME
- D. MX

Answer: B

Explanation: The RP Record, the Responsible Person record, is informational, and not functional. The RP record is used to indicate the person responsible for the domain.

---

**QUESTION 206**

In order to protect copyrighted material on a web site, a copyright notice is

- A. Not to be displayed.
- B. Essential to display.
- C. Optional but highly recommended.
- D. To be displayed on the first page only.

Answer: C

---

**QUESTION 207**

Which language was designed to integrate HTML with a data source?

- A. Visual Basic
- B. PERL
- C. c ++
- D. XML

Answer: D

Explanation: XML (eXtensible Markup Language) is a markup language for documents containing structured information. XML is a data structured data storage format.

---

**QUESTION 208**

Which of the following is supported by most browsers? (Choose three)

- A. Gopher
- B. FTP
- C. Telnet
- D. SNMP

Answer: A, B, C

Explanation: Gopher, FTP, Telnet, HTTP, HTTPS, etc are supported by most browsers.

Note: Gopher is a legacy Internet protocol which is used to access information through a text-only menu-based system.

Incorrect Answers

D: SNMP (Simple Network Management Protocol) is used to monitor networks.

---

**QUESTION 209**

Which can break up a broadcast domain?

- A. Router
- B. Transceiver
- C. Hub
- D. Repeater

Answer: A

Explanation: A router stops broadcasts. No broadcasts will pass a router. Only traffic directed to addresses outside the local network segment are passed through the router.

Incorrect Answers

- B: A transceiver just connects the network adapter with the network media.
- C: A hub just retransmits the signals on all ports.
- D: A repeater just regenerates the signal.

---

**QUESTION 210**

Which of the following requires the least configuration for web database access?

- A. PHP
- B. OPBC
- C. JDBC
- D. SQL

Answer: A

Explanation: PHP is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML. PHP is well-suited for web database access.

Incorrect Answers

- B: ODBC stands for Open DataBase Connectivity. ODBC provides a standardized set of rules for getting information to and from a database.
- C: JDBCTM is a Java™ API for executing SQL statements. JDBC provides a standard API for tool/database developers and makes it possible to write database applications using a pure Java API.
- D: SQL stands for Structured Query Language. SQL is used to manipulate and maintain relational databases.

---

**QUESTION 211**

After implementing data encryption which issue is most likely?

- A. Bandwidth
- B. Switch performance
- C. CPU performance
- D. Administrative costs

Answer: C

Explanation: Data encryption and decryption requires complex calculations. These calculations will make an impact on the CPU performance.

**QUESTION 212**

https://www.Certkiller.com is an example of \_\_\_\_\_?

- A. SET
- B. Authentication
- C. SSL
- D. ACL

Answer: C

Explanation: The Hypertext Transfer Protocol with SSL (HTTPS) is also known as Secure Hypertext Transfer Protocol, or S-HTTP. A secure socket layer is an encryption protocol invoked on a Web server that uses HTTPS. It provides secure communication mechanisms between a HTTP client-server pair to enable realtime commercial transactions for applications.

---

**QUESTION 213**

You notice that many TCP sessions are being initiated to your server but not completed. What is the most likely cause?

- A. Someone is PING flooding
- B. A user is downloading a large graphic file.
- C. Someone is SYN flooding
- D. A user is logging on.

Answer: C

Explanation: SYN flooding is a DOS (denial of service), it works like that:

1. The initiator sends a TCP packet with spoofed source address (this address needs to be not connected to the internet).
  2. The receiver (victim), sends back a SYN+ACK packet, and waits for the reply.
  3. Because there's no computer listening to that address (if there is, it will send a RST and the victim will drop the connection), the victim will wait until a timeout occurs (around 30 seconds), meanwhile it saves the connection data, and when this attack is used in mass (for example 20,000 SYN packets, with different addresses), the victim will use a lot of resources and may crash, or become inaccessible.
- 

**QUESTION 214**

You update your e-mail client with a newer, backwards-compatible version but cannot browse your old address book. How can you recover?

- A. Convert the address book to text, then cut and paste into the new client.
- B. Restore your address book from tape.
- C. Import your address book.
- D. Uninstall the upgrade.

Answer: C

Explanation: We import the address book from the older system into the newer system.

---

**QUESTION 215**

Which of these is a connection oriented protocol?

- A. IP
- B. TCP/IP
- C. ICMP
- D. ARP

Answer: B

Explanation: TCP is a connection oriented protocol.

Incorrect Answers

A: IP is a network protocol. It is used to route data, not to establishing connections.

C: ICMP is to control the IP traffic. ICMP is an Internet level protocol (like IP) in the TCP/IP protocol hierarchy. It is not connection oriented.

D: ARP (Address Resolution Protocol) use broadcasts and is not connection oriented.

---

**QUESTION 216**

An architecture that allows the business to exchange information with another business privately is an example of a(n) \_\_\_\_\_?

- A. Extranet
- B. Internet
- C. Intranet
- D. Private-net

Answer: A

Explanation: An extranet is a mechanism based on Internet and Web technology for communicating both privately and selectively with your customers and business partners.

---

**QUESTION 217**

An image map

- A. Provides a "road map" of a complex web site.
- B. Breaks one image into multiple smaller images.
- C. Displays the smaller version of a large image.
- D. Displays the attributes of a graphics files.

Answer: A

Explanation: An image on a web site displays the structure of the site graphically.

---



**QUESTION 218**

Which factor that the LEAST effect on the performance of a Web site.

- A. Bandwidth of the site's Internet connection.
- B. Resolution of graphics used in the Web site.
- C. Amount of RAM in the Web Server.
- D. Amount of RAM in the client computer.

Answer: D

Explanation: The capacity of the client has very little effect on the performance of the Web site

---

**QUESTION 219**

Which of the following protocols would be required to provide a dynamic IP address?

- A. ICMP
- B. DNS
- C. SLIP
- D. DHCP

Answer: D

Explanation: DHCP, Dynamic Host Configuration Protocol, automates the IP configuration of clients.

Incorrect Answers

- A: ICMP is a control protocol for IP traffic.
  - B: DNS is used for host to IP name resolution.
  - C: SLIP is a legacy remote access protocol.
- 

**QUESTION 220**

Which of the following is a possible disadvantage of using a search engine?

- A. It takes too long to search large amount of data.
- B. The search may return too many responses.
- C. A search engine locates pages containing very specific words or phrases.
- D. A search engine does not accept natural language queries.

Answer: B

Explanation: Too many responses makes it hard to find a good response.

Incorrect Answers

- A: Search engines are very fast.
  - C: Not necessarily. Depends on contents of the search string.
  - D: Search engine may accept phrases close to natural language. Furthermore, this is not a main drawback.
- 

**QUESTION 221**

The correct FTP mode for downloading a graphical image file is?

- A. binary
- B. glob
- C. ascii
- D. hash

Answer: A

Explanation: With binary mode an exact replica is transferred.

Incorrect Answers

B, C: There are no FTP modes called glob or hash.

D: In ascii mode some text translation might occur. This would damage an image.

---

**QUESTION 222**

Which of the following Internet connection devices minimize bandwidth usage?

- A. Network address translation server.
- B. Packet-filtering firewall.
- C. Router
- D. Proxy server.

Answer: D

Explanation: A proxy server is able to save web content in a local cache. This reduces bandwidth usage.

Incorrect Answers

A: A NAT server provides a local network internet access with the use of only very few public IP address, maybe only a single public IP address.

B: A packet-filtering firewall is used to stop specific traffic between the LAN and Internet.

C: A router routes data throughout a network.

---

**QUESTION 223**

Web caching does NOT provide a reduction in?

- A. Document download time.
- B. Bandwidth demands.
- C. The number of requests processed by the Web server.
- D. The number of security breaches.

Answer: D

Explanation: Web caching does not improve security.

Incorrect Answers

Web caching reduces document download time, since documents can be fetched from the web cache and not from the web server (A). This also reduces bandwidth demands (B) and the number of requests by the Web server (C).

---

**QUESTION 224**

A user is searching for government documents about small businesses in England. Each time the user performs a standard search, information about small businesses in the United States (USA) is returned. Which of the following strings can the user enter to exclude information about the USA from the search?

- A. "small business" England - USA "government documents"
- B. "small business" England "not USA" "government documents"
- C. "small business" England "government documents" minus USA
- D. "small business" England -USA "government documents"

Answer: D

Explanation: -USA in the search strings will exclude all web pages which have the word USA in them.

Incorrect Answers

A: We should not have a space between - and USA- B: This search-string will provide web pages which has the sentence "not USA" in them.

C: Minus in not a keyword in a search strong. This search string will provide web pages that include the words minus and USA.

---

**QUESTION 225**

Which of the following is the purpose for entering keywords into a meta-tag?

- A. Allows the Web site to be more readily found by search spiders.
- B. Permits the Web browser to see the Web site.
- C. Allows a Web site to be downloaded to a computer.
- D. Automatically registers the Web site with a search name.

Answer: A

Explanation: Meta-tag keywords enable knowledge about the content of the page. This information can be used by search spiders to better create search indexes.

---

**QUESTION 226**

A Web page has been updated recently, but a user is still viewing the older version of the page. Which of the following is causing this problem?

- A. The browser is incompatible with the new page.
- B. The older version is in the cache.
- C. Permissions are preventing access.
- D. The history needs to be refreshed.

Answer: B

Explanation: A cached version of the web page is used instead of the current version.

---

**QUESTION 227**

Service packs are an important part of keeping software programs current. Of the choices given, when should service packs be installed to a production environment?

- A. Daily
- B. Weekly
- C. As soon as the packs are announced.
- D. After the results of testing are known.

Answer: D

Explanation: Ideally service packs should be tested in testing environment before be applied to a production environment.

Incorrect Answers

- A, B: Service packs are not installed on a predetermined schedules.
- C: We should test them first.

---

**QUESTION 228**

Which of the following is the principal advantage of Filer Transfer Protocol (FTP), over Trivial File Transfer Protocol (TFTP)?

- A. Provides authentication
- B. Has no directory browsing capability.
- C. Can only send and receive files.
- D. Sends smaller blocks of data.

Answer: A

Explanation: There is no authentication in TFTP.

---

**QUESTION 229**

Which of the following client settings are required to enable PC to communicate with another host on a TCP/IP wide area network?

- A. IP address only.
- B. IP address and subnet mask only.
- C. IP address, subnet mask, and default gateway.
- D. IP address, subnet mask, and DNS Server.

Answer: C

Explanation: At a minimum IP address, subnet mask is required, and a default gateway would be required to reach a host on another subnet in a WAN:

Incorrect Answers

- A: A subnet mask would also be required.

- B: An IP address and a subnet mask would only enable communication within a single subnet.
  - D: We need a default gateway. DNS is not required.
- 

**QUESTION 230**

A user can access e-mail in the main office but not when dialing in from home. Which of the following is the typical FIRST step in troubleshooting the problem?

- A. Check the SMTP settings on the e-mail server.
- B. Check the user name and password on the home computer's e-mail client.
- C. Apply service packs on the client operating system.
- D. Remove the FTP and Telnet programs from the laptop.

Answer: B

Explanation: A local problem on the home computer is the most likely cause of the problem, for example a different user name or password in the e-mail client.

Incorrect Answers

- A: The SMTP server works fine for the user at the office.
  - C: It is highly unlikely that a service pack would solve this specific problem.
  - D: FTO and Telnet programs do not affect e-mail client programs.
- 

**QUESTION 231**

A user wants to find information about Mark Twain through a search engine. Which of the following should be typed in the search form to produce the most accurate hits?

- A. Mark Twain
- B. "Mark Twain"
- C. Mark + Twain
- D. Twain, Mark

Answer: B

Explanation: We should search for the exact order of the two words. This is achieved by using "Mark Twaint". This is the most restrictive search string and it would give the best results.

---

**QUESTION 232**

A vendor has just informed the technician via e-mail that a new service pack or maintenance path has been released. The first step the technician should take is to?

- A. Immediately download the file and push the update across the network.
- B. Review the readme file to determine if the update is necessary.
- C. Ignore the information unless someone else has installed it without any problems.
- D. Disable the virus protection and then download and install the update.

Answer: B

## IK0-002

Explanation: Precautions should be taken before installing the service. It would be prudent to read the readme file first.

Incorrect Answers

A, D: We should not install service packs blindly.

C: This is a too passive approach.

---

### **QUESTION 233**

A new virus has just been discovered. The technician installed antivirus software on each client machine 2 weeks ago. Which of the following actions should be taken first?

- A. Reinstall the antivirus software.
- B. Install the latest antivirus engine update.
- C. Install the latest virus definition update file.
- D. Encrypt all sensitive data.

Answer: C

Explanation: Most current antivirus software use a virus definition database. This database is update through a virus definition update file. If this update process is not automatic we must install it manually.

Incorrect Answers

A: No need to reinstall the anti-virus software.

B: The antivirus engine is rarely updated.

D: Encrypting is not necessary. Furthermore, it is not protection against viruses.

---

### **QUESTION 234**

Which of the following would allow an administrator at a remote location to perform tasks on the server as if the administrator were logged in locally?

- A. Telnet
- B. FTP
- C. E-mail
- D. Web

Answer: A

Explanation: Telnet provides remote access through a terminal emulator.

Incorrect Answers

B: E-mail cannot be used for remote administration.

C: FTP is used to transfer files.

D: The web interface is not generally used for remote administration.

---

### **QUESTION 235**

One of the company managers calls to complain about not being able to connect to the company's intranet. The network administrator successfully connects from a workstation using the manager's user name and password. However, the manager still cannot connect. Which of the following could be the problem?

**IK0-002**

- A. The manager's permissions are not set properly.
- B. The intranet server is down.
- C. The Web server is down.
- D. The manager's Caps Lock is turned on.

Answer: D

Explanation: The manager might be using the incorrect logon or password, for example by only typing in capital letters.

Incorrect Answers

- A: It was possible to access the intranet with his login from another computer.
- B: There is no specific intranet server. Furthermore, the web server is running.
- C: The web server is up. It was possible to connect to it from another computer.

---

**QUESTION 236**

Which of the following is the minimum requirement for a client computer to access the Internet?

- A. CD-ROM
- B. TCP/IP connection
- C. A Web browser
- D. An e-mail client

Answer: B

Explanation: A TCP/IP connection would be enough to access Internet.

---

**QUESTION 237**

Below is a list of components.

1. Web browser
2. TCP/IP Stack
3. Windows 98

Which of the following could be the additional fourth component required to allow Internet access?

- A. DHCP server
- B. E-mail client
- C. Network connection
- D. DNS server

Answer: C

Explanation: Internet access requires an network connection.

---

**QUESTION 238**

Which of the following network monitoring devices can be used to troubleshoot network cabling and monitor network performance?

- A. Digital voltmeter
- B. LAN cable meter
- C. Packet sniffer
- D. Network analyzer

Answer: D

Explanation: To monitor network performance we would need a network analyzer.

---

**QUESTION 239**

Which of the following internetworking devices will allow connectivity and communication between networks with different IP subnets?

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

Answer: A

Explanation: A router routes data between different subnets.

---

**QUESTION 240**

To enable users to establish a command line session with a UNIX computer, which of the following types of services should be installed?

- A. Rlogin
- B. Telnet
- C. Gopher
- D. LDAP

Answer: B

Explanation: Telnet provides command line remote sessions.

---

**QUESTION 241**

Which of the following command line utilities can be used to test connectivity to <http://www.Certkiller.com>?

- A. Ping
- B. ARP
- C. Netstat
- D. WINIPCFG

Answer: A



Explanation: Ping is used to test connectivity to a known destination.

---

**QUESTION 242**

A user can browse to various Internet sites by using IP addresses but not by typing URLs. Which of the following would cause this problem?

- A. LDAP is failing to translate addresses.
- B. The routing table needs to be updated.
- C. The router is blocking URL access.
- D. The DNS server is unavailable.

Answer: D

Explanation: Browsing by host name requires a name resolution mechanism such as DNS.

---

**QUESTION 243**

Which of the following devices operate at the Datalink Layer and forwards frames based on the destination MAC address at near wire speed?

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

Answer: B

Explanation: A switch works at the data link layer and use MAC addresses to forward frames.

Incorrect Answers

- A: A router works at the network layer and uses logical address, such as IP number, to route data.
  - C: A hub works at the physical layer.
  - D: A repeater works at the physical layer.
- 

**QUESTION 244**

Fast Ethernet uses which of the following types of network topologies?

- A. Star-wired bus.
- B. Star-wired ring
- C. Mesh
- D. Ring

Answer: D

Explanation: Ring, bus and star are topologies supported by Ethernet and Fast Ethernet.

---

**QUESTION 245**

A device used to perform security screening based on port numbers is called a?

- A. Multi-station access unit (MAU)
- B. Firewall
- C. DNS server
- D. Repeater

Answer: B

Explanation: A firewall can manage and monitor traffic at the port level.

---

**QUESTION 246**

Which type of DNS entry is responsible for designating the SMTP server for a domain?

- A. An A record.
- B. An MX record.
- C. A CName record.
- D. A PTR record.

Answer: B

Explanation: A MX (mail) record is added for the domain you want to receive the email.

Incorrect Answers

- A: A (host) entries are used to map host named to IP address.
  - C: A CNAME (alias) entry is used to make an alias of a host name.
  - D: A PTR (pointer) entry is used to map an IP address to a host name.
- 

**QUESTION 247**

In the URL `http://ftp.Certkiller.com/index.htm`, which if the following is the domain name?

- A. `www.Certkiller.com`
- B. `ftp.Certkiller.com`
- C. `Certkiller.com`
- D. `index.htm`

Answer: C

Explanation: `Certkiller.com` is a domain name.

---

**QUESTION 248**

Which of the following protocols is used to establish a remote access Virtual Private Network (VPN) connection?

- A. SLIP
- B. PPP

- C. PPTP
- D. DHCP

Answer: C

Explanation: Point to point tunneling protocol is used to set up VPNs.

---

**QUESTION 249**

Which of the following is an advantage of retail companies with a storefront over an e-business?

- A. Many consumers are more comfortable with returning unsatisfactory merchandise to retail companies.
- B. Current tax polices often favor retail companies with storefronts.
- C. Retail companies can establish an international presence with lower risks.
- D. Small purchases can be shifted to e-business divisions.

Answer: A

Explanation: E-business customers cannot return unsatisfactory merchandise to retail companies.

Incorrect Answers

B, C; D: These are advantages of e-businesses.

---

**QUESTION 250**

Which if the following business models is most likely to use an extranet?

- A. Business to consumer.
- B. Consumer to business.
- C. Business to business.
- D. Consumer to consumer.

Answer: C

Explanation: An extranet is a business-to-business intranet that allows limited, controlled, secure access between a company's intranet and designated, authenticated users from remote locations"

---

**QUESTION 251**

The term for a Web site that provides site personalization, Web directory services, searching, and online e-mail is?

- A. A Web gateway.
- B. A portal.
- C. An extranet.
- D. A site map.

Answer: B

Explanation: A portal typically includes search engines or robotic Web crawlers that categorize information

into directors making sense of the vast information confusion. Today's most popular portals started as search engines, but they've extended their offerings to include e-mail, chat functions, instant messaging, and personalized service."

Incorrect Answers

A: The term web gateway is often used with newsgroups.

C: An extranet is a business-to-business intranet.

D: A site map is a graphical representation of a site.

---

**QUESTION 252**

A company wants to create a method for allowing its employees to read meeting notes and policy implementations, but does not want to allow others outside the company to see this information. Which of the following should be implemented in order to do this?

- A. VLAN
- B. Intranet
- C. Extranet
- D. Internet

Answer: B

Explanation: Intranets work on LANs. They are safe from external users.

---

**QUESTION 253**

Which of the following types of business documentation is most suitable for transmission via Electronic Data Interchange (EDI)?

- A. Payroll
- B. Wire transfers
- C. Stock trades
- D. Orders and invoices

Answer: D

Explanation: EDI is a uniform standard for the electronic interchange of business documents used in an Electronic commerce setting. Electronic commerce is the communication of business information (bills of lading, waybills, freight bills, shipment status events, orders, invoices etc.) through various electronic media formats.

---

**QUESTION 254**

A network administrator wants to include an MP3 file on the company's Web site. Before placing the file in the Web page, the administrator should check?

- A. The source of the file and its copyright.
- B. That the browser supports this audio file format.
- C. That the file is compressed enough for quick download.
- D. That the locale where the server is located allows embedding sound files in Web pages.

Answer: A

Explanation: The MP3 file should be checked so that it not violates any copyright.

---

**QUESTION 255**

Which of the following is an example of a strategic marketing consideration when a company launches an e-business initiative?

- A. Setting permissions for access to specific marketing objective.
- B. Configuring the Web site to hand tax policies of varies states and countries.
- C. Adapting the marketing approaches to the local customs of the target market.
- D. Delivering marketing files to the Web developers in a timely manner.

Answer: C

Explanation: Adapting to different local customs is an example of a strategic marketing consideration.

---

**QUESTION 256**

Which of the following does the acronym CGI stand for?

- A. Consumer guided interactions.
- B. Common gateway interface.
- C. Consumer gateway interface.
- D. Common gateway interchange.

Answer: B

Explanation: CGI stands for Common gateway interface.

---

**QUESTION 257**

Which of the following client-side languages is browser specific?

- A. Java
- B. PERL
- C. VBscript
- D. XML

Answer: C

Explanation: VB script only works in Internet Explorer.

---

**QUESTION 258**

What is the color depth of JPEG?

- A. 8-bit

- B. 16-bit
- C. 24-bit
- D. 48-bit

Answer: C

Explanation: JPEG has a 24-bit color depth.

---

**QUESTION 259**

Which of the following is used to set the point size of a font on a Web page?

- A. Dynamic HTML (DHTML)
- B. Server Side Include (SSI)
- C. Cascading Style Sheets (CSS)
- D. Active Server Pages (ASP)

Answer: C

Explanation: CSS is used to get a consistent text formatting of the web pages. With CSS we can set the font size.

---

**QUESTION 260**

Hypertext Preprocessor (PHP) and Active Server Pages (ASP) are examples of?

- A. Common Gateway Interface (CGI) programs.
- B. Structured Query Language (SQL).
- C. Server-side scripting.
- D. Compiled code.

Answer: C

Explanation: PHP and ASP are examples of server-side scripting.

---

**QUESTION 261**

Which of the following can be used to create animated vector-based graphics?

- A. QuickTime
- B. Shockwave
- C. Flash
- D. AVI

Answer: C

Explanation: Flash uses vector graphics.

---

**QUESTION 262**

Which of the following would be the quickest and efficient tool for adding the last update date to an otherwise static HTML page?

- A. XML
- B. C++
- C. SSI
- D. JSP

Answer: A

Explanation: XML is a markup language for documents containing structured information. XML provides a facility to define tags and the structural relationships between them.

Incorrect Answers

B: C++ is a general purpose programming language, but not used to create HTML content.

C: SSI and JSP do not apply here.

---

**QUESTION 263**

Which of the following languages would be best suited to provide a dynamic page to wireless clients from a Java Servlet application?

- A. JavaScript
- B. VBScript
- C. Perl
- D. WML

Answer: D

Explanation: WML (Wireless Markup Language) is a markup language based on XML, and is intended for use in specifying content and user interface for narrowband devices, including cellular phones and pagers. WML is designed with the constraints of small narrowband devices in mind.

---

**QUESTION 264**

The best reason to view a Web page in different browsers and at different screen resolutions is to ensure which of the following?

- A. The link to the server has enough bandwidth.
- B. The Web server hosting software will be compatible with many systems.
- C. The Web page will be compatible with many operating systems.
- D. As many visitors as possible can see the page properly.

Answer: D

Explanation: We want as many users at possible to be able to view the page.

---

**QUESTION 265**

Which of the following is the correct use of a meta-tag?

- A. `<HTML><HEAD><TITLE> Certkiller Website</TITLE><META = "Keywords" CONTENT = "Network+, Server+, A+, IT Project+, e-Biz+, Linux+"><META = "Description" CONTENT = " More than 400,000 people in the technology community have benefited from Certkiller ">`
- B. `<HTML><HEAD><TITLE> Certkiller Website</TITLE><META NAME = "Keywords", CONTENT = "Network+, Server+, A+, IT Project+, e-Biz+, Linux+"><META NAME = "Item" CONTENT = "More than 400,000 people in the technology community have benefited from Certkiller ">`
- C. `<HTML><HEAD><TITLE> Certkiller Website</TITLE><META NAME = "Keywords" CONTENT = "Network+, Server+, A+, IT Project+, e-Biz+, Linux+"><META NAME = "Description" CONTENT = "More than 400,000 people in the technology community have benefited from Certkiller ">`
- D. `<HTMP><HEAD><TITLE> Certkiller Website</TITLE><META NAME = "Keywords" CONTENT = "Network+, Server+, A+, IT Project+, e-Biz+, Linux+"><META NAME = "Search" CONTENT = "More than 400,000 people in the technology community have benefited from Certkiller ">`

Answer: C

Explanation:

This meta element defines keywords for your page:

```
<META name="keywords" CONTENT=" Network+, Server+, A+, IT Project+, e-Biz+, Linux+">
```

Syntax for a meta element that defines a description of your page:

```
<META name="description" CONTENT=" More than 400,000 people in the technology community have benefited from Certkiller ">
```

Incorrect Answers

A: Incoret syntax

B: META NAME = "Item" is incorrect usage. Instead we should use the `<META name="description"`.

D: The meta tag below is incorrect. Instead we should use `<META name="description"`.

```
<META NAME = "Search
```

---

**QUESTION 266**

All of the following can be included within a `<head>` section of an HTML document EXCEPT?

- A. `<base>`
- B. `<link>`
- C. `<meta>`
- D. `<img>`

Answer: D

Explanation: The `<img>` tag cannot be used in the `<head>` tag.

---

**QUESTION 267**

Which of the following would be the simplest programming language to complete the task of linking a Web server to a database?



- A. PERL
- B. JAVA
- C. JSP
- D. C++

Answer: A

Explanation: Pearl is a server side scripting language.

---

**QUESTION 268**

A company's employees belong to groups that require a forum, which enables members to collaborate remotely in a message-based format. The company wants the messages to remain persistent and wants to prevent unauthorized access. Which of the following types of servers should the company install and configure?

- A. Mail with Class 1 certificates for each collaborative group.
- B. Proxy that allows communication only between group members.
- C. News with user-specific passwords.
- D. List with user-specific passwords.

Answer: C

Explanation: News groups can be used to implement forums. User specific passwords prevents unauthorized access.

---

**QUESTION 269**

A hacker altered the header of a TCP/IP packet so the hacker is able to assume the identity of another device. Which of the following types of attack did the hacker conduct?

- A. Identity theft
- B. Spoofing
- C. Spamming
- D. SYN flood.

Answer: B

Explanation: A spoofing attack is when someone changes their identity to make them look like someone else. This could be accomplished by incorrectly configuration of a router.

---

**QUESTION 270**

An intentional attempt to disable a server by eliminating all of its available objectives is an example of?

- A. A denial of service attack.
- B. Hacking
- C. Spoofing
- D. A man-in-the-middle attack.

Answer: A

Explanation: A denial of service attack overloads the server. It could disable the server from performing its usual services.

---

**QUESTION 271**

A file is encrypted by using the public key of the recipient. Which of the following does the recipient use to decrypt the file?

- A. The private key of the sender.
- B. The private key of the recipient.
- C. The public key of the sender.
- D. The public key of the recipient.

Answer: B

Explanation: A public-private key pair for the recipient must be used.

---

**QUESTION 272**

Which of the following types of authorization would be considered a biometric method for accessing the network?

- A. Fingerprint scanner.
- B. Smart card.
- C. Password entry.
- D. Digital certificate.

Answer: A

Explanation: Fingerprint scanning is a biometric authorization method.

---

**QUESTION 273**

Which of the following passwords would be the most difficult for a hacker to decode?

- A. Supervisor
- B. 5551212
- C. Intr00Sion56
- D. Pencil42

Answer: C

Explanation: A password should contain literals and capital letters. It should also contain numbers and not be too short.

---

**QUESTION 274**

Recently a company's Web server has received many denial of service attacks from users on the Internet. Which of the following is the best way to prevent future attacks?

- A. Install a firewall on the company's server.
- B. Configure content filtering on the company's proxy server.
- C. Change the company's IP address to 10.1.1.1.
- D. Change the SNMP community name of the company's router to private.

Answer: A

Explanation: A firewall can restrict the traffic going into the network.

---

**QUESTION 275**

A DMZ is defined as?

- A. A group of firewalls.
- B. A group of servers hidden from the Internet.
- C. A neutral area between a private network and a public network.
- D. Software required for network configuration that attach to the network.

Answer: C

Explanation: A Demilitarized zone is a neutral zone between the intranet and the Internet.

---

**QUESTION 276**

Establishing hundreds of half-open TCP sessions from a single host is an example of?

- A. Ping flooding
- B. SYN flooding
- C. Spamming
- D. Spoofing

Answer: B

Explanation: SYN flooding is a DOS (denial of service), it works like that:

1. The initiator sends a TCP packet with spoofed source address (this address needs to be not connected to the internet).
  2. The receiver (victim), sends back a SYN+ACK packet, and waits for the reply.
  3. Because there's no computer listening to that address (if there is, it will send a RST and the victim will drop the connection), the victim will wait until a timeout occurs (around 30 seconds), meanwhile it saves the connection data, and when this attack is used in mass (for example 20,000 SYN packets, with different addresses), the victim will use a lot of resources and may crash, or become inaccessible.
- 

**QUESTION 277**

A RAS service is running on one of the company's servers. Which of the following methods would

**IK0-002**

increase security and prevent unauthorized users access to the RAS server?

- A. Install a firewall.
- B. Install a proxy server.
- C. Enable SSL.
- D. Enable callback.

Answer: D

Explanation: Callback would increase security by only allow remote connections from specific locations.  
Incorrect Answers

- A: A firewall is used to control traffic between the LAN and the Internet. It is not used for remote access however.
- B: A proxy server is used to increase Internet performance.
- C: SSL is used to secure HTTP traffic. It is not used for remote access.

---

**QUESTION 278**

An effective method for preventing virus infection through e-mail is to do which of the following?

- A. Block attachments based on file extensions on the mail server.
- B. Configure the default gateway of the mail server to be the IP address of the firewall.
- C. Enable port filtering on the e-mail server.
- D. Enable packet filtering on the router.

Answer: A

Explanation: E-mail attachments can be used to spread viruses. By blocking the attachments we eliminate most risks of receiving viruses through e-mails.

Incorrect Answers

- B: Reconfiguration of the default gateway would not do much good.
- C: Port filtering cannot be used to stop e-mail viruses.
- D: Packet filtering cannot be used to stop e-mail viruses.

---

**QUESTION 279**

Which of the following statements about personal firewall software is true?

- A. It protects against an ARP flood.
- B. It encrypts all data on the Internet.
- C. It can protect a PC by using port blocking.
- D. It needs to be installed in a hidden directory.

Answer: C

Explanation: A personal firewall can be used to block traffic on specific ports.

---

**QUESTION 280**

Which of the following firewall security features would be used to perform intrusion detection?

- A. Port hardening
- B. Auditing
- C. Protocol filtering
- D. Routing redirection

Answer: B

Explanation: Auditing enables tracking of unauthorized access of resources.

---

**QUESTION 281**

A bastion host can be implemented by using which of the following types of servers?

- A. Proxy
- B. Certificate
- C. SSL
- D. Key distribution center

Answer: A

Explanation: A bastion host is a computer that is fully exposed to attack. The system is on the public side of the demilitarized zone (DMZ), unprotected by a firewall or filtering router.

Incorrect Answers

A:

B: Certificates are used confirm identities. It is not required for a bastion host.

C: Secure Sockets Layer is used to secure HTTP traffic.

D: Key distribution center is used to manage encryption keys.

---

**QUESTION 282**

A document that is 7,000 bytes would take how many seconds to download over an analog 56 Kbps connection?

- A. 1 second
- B. 5 seconds
- C. 8 seconds
- D. 12.5 seconds

Answer: A

Explanation: 7,000 bytes is 56,000 bits or 56Kb. It would take a 56Kbps modem one second to download the file.

---

**QUESTION 283**

Which of the following protocols uses port 80 by default?

- A. HTML
- B. HTTP
- C. HTTPS
- D. DNS

Answer: B

Explanation: HTTP use TCP port 80.

Incorrect Answers

A: HTML is a markup language, not a protocol.

C: HTTPS uses TCP port 443.

D: DNS use TCP and UDP port 53.

---

**QUESTION 284**

The sales staff needs to submit 15MB files from remote sites on a regular basis. Which of the following is the best method to transfer these files?

- A. E-mail
- B. FTP
- C. TELNET
- D. Ethernet

Answer: B

Explanation: FTP is specialized for file transfers. It is the best solution.

Incorrect Answers

A: It would be awkward to send large files by e-mail.

C: Telnet is used for remote login.

D: Ethernet is not a transfer method, it is a network topology.

---

**QUESTION 285**

Which of the following types of servers would allow a network administrator to automatically configure the TCP/IP protocol for client machines on the network?

- A. Proxy
- B. DHCP
- C. DNS
- D. LDAP

Answer: B

Explanation: A DHCP server automates the IP configuration of client machines.

Incorrect Answers

A: A proxy server caches web content to improve performance.

C: DNS is used to name to IP resolution.

D: LDAP is a directory service which is used to locate information.

---

**QUESTION 286**

The first step to prepare for the installation of new software is to do which of the following?

- A. Disconnect all USB devices from the computer.
- B. Check the vendor's Web site for known issues and patches.
- C. Enable the Windows installer from the control panel.
- D. Disconnect the computer from the network.

Answer: B

Explanation: We should check the vendor's site for latest information regarding the application.

Incorrect Answers

A: There is need to remove USB devices.

C: Before we install the application we should check for latest vendor information regarding the software.

D: In general there is no need to disconnect a computer from the network when software is installed.

---

**QUESTION 287**

Which of the following commands would establish a connection to an FTP server?

- A. open
- B. connect
- C. access
- D. get

Answer: A

Explanation: The open command tries to establish a connection to a FTP server.

Incorrect Answers

B, C: The connect and access commands are not proper FTP commands.

D: The get command is used to retrieve a file.

---

**QUESTION 288**

A user on the network is unable to access the Internet. Which of the following is the most likely cause of this problem?

- A. The SMTP server is down.
- B. The IP address needs to be decrypted by the client.
- C. The DHCP server is currently unavailable.
- D. The IPsec needs to be configured.

Answer: C

Explanation: A DHCP client would not be able to access the Internet if the DHCP server was down. Most

client computers are DHCP clients.

Incorrect Answers

A: An SMTP server is an e-mail server. E-mail servers are not required for Internet access.

B: IP addresses are not decrypted.

D: IPSec is used to encrypt IP traffic. IPSec is optional and is not required for Internet access.

---

**QUESTION 289**

Which of the following is the reason that directories often provide more useful information than search engines?

A. Directories allow a user to search on keywords.

B. Directories allow users to locate information based on categories.

C. Search engines are updated more often.

D. Search engines return specific information relating to the item searched.

Answer: B

Explanation: Directories use categories, but search engines do not.

Incorrect Answers

A: Use of directories mostly involves selecting categories and subcategories. Search engines use keywords.

C, D: These are reasons to prefer search engines.

---

**QUESTION 290**

Which of the following is an example of special software for searching the Internet to gather information about Web sites to populate a database?

A. Search engine

B. Spider

C. Network monitor

D. Meta-generator

Answer: B

Explanation: Web spiders search the internet to populate the index of the a search engine database.

---

**QUESTION 291**

A user requests a Web page. The request goes through several steps. What is the correct order from first to last for the following steps?

1. The server transmits the data to the client.

2. The client machine writes to the cache.

3. The server generates a response to the request (runs scripts of searches for files).

A. 1, 2, 3

B. 1, 3, 2

C. 3, 1, 2

D. 3, 2, 1



Answer: C

Explanation: The server generates the data, sends the data, the clients receives the data and writes it to the local machine.

---

**QUESTION 292**

The first step after the installation of virus protection software is to do which of the following?

- A. Disable the system file checker.
- B. Update the virus signatures.
- C. Remove any personal firewalls.
- D. Reinstall the operating system.

Answer: B

Explanation: The virus signatures contain all known viruses at a point of time. It is important to immediately update the virus signature after installing the anti-virus software.

---

**QUESTION 293**

Which of the following command line utilities can be used to post content to a Web site?

- A. Tracert
- B. Ping
- C. GREP
- D. FTP

Answer: D

Explanation: FTP can be used to upload web content from the local PC to a Web site.

Incorrect Answers

A: Tracert is used to trace the network path between a source and destination.

B: PING is used to test connectivity.

C: Grep is a general term for any of a family of Unix tools, including grep, egrep, and fgrep, that perform repetitive searching tasks.

---

**QUESTION 294**

A user has been browsing the Internet for several hours. The user's computer displays an alert that it is running out of disk space. The user has not downloaded any large files. Which of the following is the best way to solve the problem?

- A. Disable the image loading function.
- B. Restart the computer.
- C. Clear the browser history.
- D. Clear the browser cache,

Answer: D

Explanation: After several hours of Internet browsing the web cache would contains much data. By deleting this data disk space would available for use.

---

**QUESTION 295**

A company wants to enable its business partners to view the production schedule for products business partners have ordered. Which of the following would be the best architecture for this?

- A. Internet
- B. Intranet
- C. Extranet
- D. Virtual private network.

Answer: C

Explanation: An extranet is a business-to-business intranet between the company's and the business partners locations.

---

**QUESTION 296**

In order to ensure copyright protection, the copyrighted material must?

- A. Be registered with a government copyright agency.
- B. Be an original creation.
- C. Have an individual author.
- D. Not include excerpts of other copyrighted works.

Answer: B

Explanation: Copyright material must be an original creation.

---

**QUESTION 297**

Which of the following is an example of a consumer-to-consumer model?

- A. Storefront
- B. Auction site
- C. E-business
- D. Portal

Answer: B

Explanation: An auction site provides a direct consumer to consumer model.

---

**QUESTION 298**

When a business connects its distributors to retailers for real time ordering and multi-level pricing, it represents which of the following models?

- A. Business to consumer.
- B. Consumer to consumer.
- C. Consumer to business.
- D. Business to business.

Answer: D

Explanation: This is an example of a business to business model.

---

**QUESTION 299**

Which of the following aspects needs to be considered for a global Web site?

- A. Use of frames.
- B. Scripting language.
- C. Server type.
- D. Numeric representation for currency.

Answer: D

Explanation: The representation of the currency must be adequate for customers from different countries.

---

**QUESTION 300**

Which of the following functionalities does a merchant processing system add to a Web site?

- A. Credit card transaction.
- B. Catalog shopping.
- C. Inventory reporting.
- D. Universal product accessibility.

Answer: A

Explanation: A merchant processing system processes credit card transactions.

---

**QUESTION 301**

Which of the following business models would most likely use an intranet?

- A. Business to government.
- B. Business to consumer.
- C. Business to employee.
- D. Consumer to consumer.

Answer: C

Explanation: An intranet is only accessible to employees, not for the government or to consumers.

---

**QUESTION 302**

Which of the following technologies can be used in an HTML document to ask the Web server to run an external command or insert an environment variable?

- A. Dynamic HTML (DHTML)
- B. Server Side Include (SSI)
- C. Cascading Style Sheets (CSS)
- D. eXtensible Markup Language (XML)

Answer: B

Explanation: We need server side scripts, for example SSI, to run external command or use environment variables.

Note: Environment variables can be used to control various operations such as logging or access control. They only become actual operating system environment variables when they are provided to CGI scripts and Server Side Include scripts.

---

**QUESTION 303**

Which of the following tools would be best enable Web access to an SQL database in a UNIX/Linux Web server?

- A. PHP
- B. RDBMS
- C. ASP
- D. XML

Answer: A

Explanation: PHP is a server-side, cross-platform, HTML-embedded scripting language which is used to program

dynamic Web pages. PHP works on UNIX/Linux platforms and can readily access an SQL database.

Incorrect Answers

B: A Relational Database Management System (RDBMS) is not directly used for Web access.

C: ASP is used on Windows Web servers, not UNIX/Linux Web servers.

D: XML (eXtensible Markup Language) is a markup language for documents containing structured information.

---

**QUESTION 304**

Which of the following markup languages is used to deliver optimized Web content to a portable wireless device?

- A. HTML
- B. SGML
- C. DHTML
- D. WML

Answer: D

Explanation: WML (Wireless Markup Language) is a markup language based on XML, and is intended for use in specifying content and user interface for narrowband devices, including cellular phones and pagers. WML is designed with the constraints of small narrowband devices in mind.

Note: "Wireless Application Protocol (WAP) is a result of continuous work to define an industry wide standard for developing applications over wireless communication networks.

---

**QUESTION 305**

A user has opened the browser to begin surfing and the home page appears. As the user continues to browse the Internet, all requests for new pages come up with a "server not found" error. DNS settings are correct and have not been changed since they worked last. Which of the following is the most likely reason the user can view the home page and none of new pages?

- A. The ISP has blocked new pages from being viewed.
- B. The sites are under construction.
- C. Previously viewed pages have been cached to the hard drive.
- D. The computer has been attacked by a virus.

Answer: C

Explanation: New web pages cannot be access, but previously accessed pages are fetched directly from the local web cache.

---

**QUESTION 306**

In HTML tags, Web page color attributes are normally expressed as which of the following types of numerals?

- A. Binary (base 2)
- B. Octal (base 8)
- C. Decimal (base 10)
- D. Hexadecimal (base 16)

Answer: D

Explanation: Color codes are usually coded in hexadecimal. For example, FFFF00 is yellow.

---

**QUESTION 307**

JavaScript and Flash Action Scripting are examples of?

- A. Client-side scripting.
- B. PERL scripting.
- C. Server-side scripting.
- D. PHP scripting.

Answer: A

Explanation: JavaScript and Flash Action Scripting are used at the client.

---

**QUESTION 308**

Within form tags, which of the following HTML tags would be used to create a hidden form field?

- A. <input type = "text" size = "1" value = "hidden">
- B. <input type = "hidden" size = "1" value = "text">
- C. input type = text size = 1 value = hidden
- D. <input type = hidden size = 1 value = text/>

Answer: B

Explanation: We use the INPUT TYPE="hidden" to make a hidden form field.

Incorrect Answers

A, C: We must use TYPE="HIDDEN"

D: Incorrect syntax.

---

**QUESTION 309**

Which of the following would best test the ability of a Web server to deliver content to a large volume of external requests simultaneously?

- A. Stress test a Web server's objective.
- B. Test the Web documents for the ability to be displayed by multiple browsers.
- C. Test the Web server's database query response time.
- D. Conduct a link track of all Web pages.

Answer: A

Explanation: We should stress test the Web server.

---

**QUESTION 310**

ASP uses which of the following database connectivity tools?

- A. ODBC
- B. JDBC
- C. PHP
- D. DBI

Answer: A

Explanation: ASP can use ODBC to connect to data sources. ODBC stands for Open DataBase Connectivity. ODBC provides a standardized set of rules for getting information to and from a database.

Incorrect Answers

B: JDBCTM is a JavaTM API for executing SQL statements. JDBC provides a standard API for tool/database developers and makes it possible to write database applications using a pure Java API.

C: PHP is similar to ASP. PHP runs on UNIX/Linux while ASP runs on Windows.  
D: DBI does not apply here.

---

**QUESTION 311**

Which of the following file extension formats is associated with Web-based animation?

- A. .TIF
- B. .JPG
- C. .PNG
- D. .GIF

Answer: D

Explanation: Animated GIFS provide basic web animation.

---

**QUESTION 312**

Which of the following plug-ins is most likely to be implemented on a Web page that uses streaming vector-based graphics?

- A. QuickTime Virtual Reality (QTVR)
- B. Virtual Reality Markup Language (VRML)
- C. Flash
- D. RealPlayer

Answer: C

Explanation: Flash uses vector graphics.

---

**QUESTION 313**

A CGI file is normally parsed?

- A. On the server by the Web server software.
- B. On the client by the browser software.
- C. By the server's operating system.
- D. By the client's operating system.

Answer: A

Explanation: A CGI file is parsed on the server by the Web serve software.

---

**QUESTION 314**

Which of the following is a defining characteristic of XHTML?

- A. All tags must have one or more attributes.
- B. All elements and attributes in tags must be lowercase.
- C. Tags need not be properly nested.

D. Use of the <title> tag is optional.

Answer: C

Explanation: As in XML tags must be properly nested.

---

**QUESTION 315**

Which of the following should be added to an HTML page to ensure that the client will automatically receive up-to-date information?

- A. <META CONTENT = "Refresh" NAME = "60">
- B. <META NAME = "Refresh" CONTENT = "60">
- C. <META TAG = "Refresh" NAME = "60">
- D. <META CONTENT = "Refresh" TAG = "60">

Answer: B

Explanation: We must use set the NAME attribute to REFRESH.

---

**QUESTION 316**

A customer has an hour-long multimedia presentation that the customer wants to make available on the customer's Web site. Which of the following technologies would be the best to use?

- A. QuickTime Virtual Reality (QTVR)
- B. Real Media
- C. AVI
- D. MPEG

Answer: B

Explanation: We should use a streaming media format. The clients cannot be expected to download the whole presentation at once.

---

**QUESTION 317**

Decide whether the action makes it likely or unlikely that the user will achieve the goal described below. Select the best statement for the reason that the action is likely or unlikely to accomplish the goal.

GOAL: Send a message over the Internet, reducing the risk that it may be read by someone other than the intended recipient.

ACTION: The sender takes the clear text message and runs it through an encryption algorithm using the receiver's public key. The receiver then decrypts the message with a decryption algorithm using the sender's private key.

- A. LIKELY, because both the sender and receiver are using the same key.
- B. LIKELY, because the sender used clear text in the message.
- C. UNLIKELY, because the receiver should have used the receiver's private key.
- D. UNLIKELY, because the receiver should have used the sender's public key.



Answer: C

Explanation: The receiver public key must be matched the receiver's private key.

---

**QUESTION 318**

Which of the following types of servers would most likely be placed in a DMZ?

- A. File
- B. Web
- C. Print
- D. Proxy

Answer: B

Explanation: Demilitarized zones (DMZs) include resources that should be accessible from the Internet. Typically, a web site is published in a DMZ.

Incorrect Answers

A: A file server should typically only be accessed from within the LAN.

C: A print server should typically only be accessed from within the LAN.

D: A proxy server is usually placed between the Internet and the DMZ (or the LAN), and not within the DMZ.

---

**QUESTION 319**

A denial of service attack has which of the following outcomes?

- A. Sensitive data is exposed.
- B. Networking resources are damaged.
- C. Access to network resources is limited.
- D. Network data is modified or deleted.

Answer: C

Explanation: Denial of service attacks overloads the target server. Access to network resources might become limited.

Incorrect Answers

A: No sensitive data is exposed.

B: No networking resources are damaged.

D: No data is modified or deleted.

---

**QUESTION 320**

Which of the following types of attacks is used to steal data?

- A. SYN flooding
- B. Denial of service.
- C. Man in the middle.
- D. E-mail flooding.

Answer: C

Explanation: A man in the middle attack is a computer security breach in which a malicious user intercepts - and possibly alters - data traveling along a network.

---

**QUESTION 321**

Which of the following would verify a Web-site user based on username and password?

- A. Access lists
- B. Authentication
- C. Encryption
- D. Secure socket later (SSL)

Answer: B

Explanation: Authentication verifies the user by username and password.

---

**QUESTION 322**

The goal of securing an Internet Web server that is set up to allow only incoming HTTP traffic is to permit access based on?

- A. User name and password authentication.
- B. Port
- C. Source IP only.
- D. Source network ID only.

Answer: B

Explanation: Only allowing incoming TCP port 80 traffic would achieve the goal. This could be implemented with a firewall.

---

**QUESTION 323**

Unencrypted passwords are inherently unsecure for which of the following reasons?

- A. They are more vulnerable to brute-force cracking.
- B. They are difficult to memorize.
- C. They may be easily intercepted and viewed.
- D. They lack adequate complexity.

Answer: C

Explanation: Unencrypted password can be intercepted and viewed.

---

**QUESTION 324**

If a user wants to make sure the information transferred over a connection is secure, which of the

following security methods should be used?

- A. Encryption
- B. Client-side virus software
- C. Packet filtering
- D. Authentication

Answer: A

Explanation: Encryption of data must be used.

---

**QUESTION 325**

What functionality does a firewall provide to a network?

- A. Smart card authentication.
- B. Port level filtering.
- C. An uninterruptible supply.
- D. Fault tolerance.

Answer: B

Explanation: Firewalls provide port level filtering.

Note: An advanced firewall such as ISA Server 2000 provides further possibilities such as protocol filtering.

---

**QUESTION 326**

A client has just implemented an xDSL Internet connection. To protect the company from unwanted outside access, the developer advised the company to install?

- A. A hub
- B. SSL encryption
- C. A firewall
- D. PVP tunneling

Answer: C

Explanation: A firewall can protect the internal network from public access.

---

**QUESTION 327**

Symmetric encryption is defined as?

- A. A one-way encryption function.
- B. The use of the same key for encryption and decryption.
- C. Digital document signing.
- D. The establishment of a fixed key length algorithm.

Answer: B

Explanation: Symmetric encryption uses the same key both for encryption and for decryption.

---

**QUESTION 328**

The help desk has received reports of several people being unable to log into the network because their accounts have been locked out. Which of the following types of logs should be examined first?

- A. Network performance
- B. FTP
- C. Audit
- D. Application

Answer: C

Explanation: The audit logs would contain log events regarding accounts.

---

**QUESTION 329**

As a technician is monitoring the domain with a network analyzer, the technician notices a 400% increase in ICMP traffic. This situation is described as which of the following?

- A. An e-mail flood.
- B. A ping flood.
- C. A SYN attack.
- D. A man-in-the middle attack.

Answer: B

Explanation: PINGs are ICMP echo messages.

---

**QUESTION 330**

The owner of a business calls and asks if there is a way to stop employees from listening to streaming audio and sending instant messages to their friends. The best for the owner would be to enable?

- A. One-way encryption.
- B. Port filtering.
- C. Packet scanning.
- D. Hold-down timers.

Answer: B

Explanation: Port-filtering can be used to block traffic on specific ports. For example for ports used for listening to streaming audio or ports used for sending instant messages.

---

**QUESTION 331**

If a user is experiencing problems receiving e-mail, which of the following servers should the administrator troubleshoot?

- A. POP3
- B. SMTP
- C. NNTP
- D. SNMP

Answer: B

Explanation: SMTP servers are used for e-mails.

Incorrect Answers

A: IMAP and POP are used by e-mail clients to receive e-mail messages.

C: NNTP is used for Newsgroup.

D: SNMP is used to monitor network traffic.

---

**QUESTION 332**

Which of the following types of servers would allow multiple users on a network to have simultaneous access to the Internet using one public IP address?

- A. NAT
- B. DNS
- C. LDAP
- D. SMTP

Answer: A

Explanation: NAT provides a LAN to access Internet through one single IP address.

---

**QUESTION 333**

For a company that maintains its own DNS records, which of the following is the first DNS server in that domain called?

- A. Forwarder
- B. Master
- C. Caching
- D. Primary

Answer: D

Explanation: For every DNS domain there must be a primary domain.

---

**QUESTION 334**

Which of the following tools can be used to convert an FQDN into an IP address?

- A. DNS
- B. SMTP
- C. LDAP

D. HTTP

Answer: A

Explanation: DNS is used to resolve a host name, a Fully Qualified Domain Name, into an IP address.

---

**QUESTION 335**

Which of the following IP addresses can be used on the Internet?

- A. 192.168.1.1
- B. 127.101.34.56
- C. 121.256.191.129
- D. 190.12.145.248

Answer: D

Explanation: This is a valid IP address in the Class B range.

Note:

Class A networks use a default subnet mask of 255.0.0.0 and have 0-126 as their first octet.

Class B networks use a default subnet mask of 255.255.0.0 and have 128-191 as their first octet.

Class C networks use a default subnet mask of 255.255.255.0 and have 192-223 as their first octet.

Incorrect Answers

A: 192.168.xx.xx is a private address range. These addresses cannot be used on the Internet.

B: The 127.xx.xx.xx address range cannot be used on the Internet.

C: Each octet must have a value between 0 and 255. 256 cannot be used.

---

**QUESTION 336**

Which of the following terms describes a company that writes and hosts applications for other companies?

- A. Service bureau
- B. Application host service
- C. Host service provider
- D. Application service provider.

Answer: D

Explanation: An application service provider writes and hosts applications for other companies.

---

**QUESTION 337**

The Internet is most like which of the following types of networking topologies?

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

Answer: D

Explanation: There are many redundant paths on the Internet. This is similar to a mesh topology.

---

**QUESTION 338**

Which of the following types of connections enables a higher download speed than upload speed?

- A. ADSL
- B. Frame relay
- C. X.25
- D. T1/E1

Answer: A

Explanation: ADSL typically enable a higher download speed than the upload speed. For example, 512 Kbps for download, and 128Kbps for upload speed.

---

**QUESTION 339**

Which of the following can be used to examine the contents of packets being sent on a network?

- A. Netstat
- B. Protocol analyzer
- C. SNMP management station
- D. Time domain reflectometer (TDR)

Answer: B

Explanation: A protocol analyzer can be used to examine contents of packets.

Incorrect Answers

A: Netstat provides statistics on the current open TCP/IP connection.

C: SNMP management station is used to collect network traffic, but cannot be used to analyze it.

D: A TDR is used to measure the signal on a cable.

---

**QUESTION 340**

Where can technical specifications for Internet protocol standards be found?

- A. RFC
- B. FAQ
- C. White papers
- D. RPC

Answer: A

Explanation: Requests For Comments (RFCs) are technical specifications for Internet protocol standards.

Incorrect Answers

## IK0-002

B: FAQ denotes Frequently Asked Questions.

C: A white paper is an article that outlines the philosophy or position of an organization.

D: Remote Procedure Calls (RPCs) allows remote execution of program code.

---

### **QUESTION 341**

A user enters http://216.119.103.172 in the Web browser address field and successfully accesses the Certkiller Web site. However, after entering http://www. Certkiller .com the user is unable to access the Web site. Which of the following is the most probable cause?

- A. The user's computer is not correctly configured to use a DNS server.
- B. The Uniform Resource Locator (URL) is incorrect.
- C. The Certkiller .com Web server is not functioning.
- D. The user's computer is not configured to use HTTP.

Answer: A

Explanation: It is a name resolution problem.

The rest of the questions can be used to reinforce the important concepts.

---

### **QUESTION 342**

What is the LDAP protocol used for?

- A. It is the protocol used for dial-up networking
- B. Provides name resolution services
- C. Provides a secure connection used with VPNs
- D. Accessing a directory
- E. None of the above

Answer: D

---

### **QUESTION 343**

What is the default subnet mask for the IP address 204.1.4.70?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.192
- D. 255.255.255.0
- E. 255.255.255.252

Answer: D

---

### **QUESTION 344**

Which FTP command is used to download a file from a remote computer?

- A. GET
- B. PUT



- C. MPUT
- D. DIR
- E. OPEN

Answer: A

---

**QUESTION 345**

Which organization is responsible for controlling web communication and HTML standards?

- A. IEEE
- B. WC3
- C. PICS
- D. NCSA

Answer: B

---

**QUESTION 346**

Which is a difference between a Search Engine and a Directory?

- A. Search engines are free while Directories charge money for their services
- B. Most search engines use spiders while directories do not
- C. Search engines have a search box while directories are not searchable
- D. A webmaster can submit their resource to a search engine, but not to a directory

Answer: B

---

**QUESTION 347**

What type of server is used to provide search capabilities for a web site?

- A. DNS
- B. Transaction
- C. Index
- D. Search
- E. Finder

Answer: C

---

**QUESTION 348**

Your network utilizes the IPX/SPX protocols. What device is needed in order to connect to the Internet?

- A. Bridge
- B. Hub
- C. Gateway
- D. Firewall

Answer: C

**QUESTION 349**

What is the default subnet mask for the IP address 138.120.120.10?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.192
- D. 255.255.255.0
- E. 255.255.255.252

Answer: B

---

**QUESTION 350**

What is the application that is used to view web pages?

- A. Web browser
- B. Web Server
- C. FTP Client
- D. SMTP Server

Answer: A

---

**QUESTION 351**

To customize your web site based on preferences of each visitor and you expect to have at least 1000 users. What method would you use to store the visitor preferences?

- A. Server-side flat files
- B. Client-side flat files
- C. Cookies
- D. Web site database

Answer: C

---

**QUESTION 352**

Which protocol has the highest security?

- A. SLIP
- B. PPP
- C. PPTP
- D. L2TP

Answer: C

---

**QUESTION 353**

Which standard only stores changes between frames to enhance the compression rate?

- A. TIFF
- B. BMP
- C. PNG
- D. MPEG

Answer: D

---

**QUESTION 354**

Which ANSWERI standard is for EDI?

- A. x.500
- B. x.144
- C. POP3
- D. X12

Answer: D

---

**QUESTION 355**

You have a 1300 user database what is the best what language to use?

- A. VBSCRIPT
- B. C++
- C. SQL
- D. XML

Answer: C

---

**QUESTION 356**

Web browser to connect to Internet requires:

- A. Email client
- B. OS
- C. JAVA VM
- D. TCP/IP

Answer: D

---

**QUESTION 357**

If no expiration date is set, how long will the cookies stay in effect?

- A. Forever
- B. Until the computer is rebooted.
- C. 30 days
- D. One year

Answer: B

**QUESTION 358**

Which protocol uses authentication?

- A. ICMP
- B. SNMP
- C. SLIP
- D. PPP

Answer: D

---

**QUESTION 359**

To send an executable file through email from one platform to another, you can use:

- A. Binhex
- B. S/mime
- C. CGI
- D. ASCII

Answer: A

---

**QUESTION 360**

Which step is most susceptible to network congestion?

- A. Parsing server side scripts.
- B. Transmitting the response from the server to the client.
- C. Displaying the page on the client.
- D. Client side scripts

Answer: B

---

**QUESTION 361**

Change the IP packet information to take the identify of another system is called:

- A. Spoofing
- B. Ping Attack
- C. Syn Flood
- D. Protocol analyzer

Answer: A

---

**QUESTION 362**

Which plug-in supports animation, audio, and video on both Windows and Mac?

- A. Flash
- B. Shockwave

- C. Real Player
- D. Acrobat

Answer: B

---

**QUESTION 363**

A company wants a computer to create its own security keys for their Intranet. What type of server do they need?

- A. Network gateway server
- B. Certificate server
- C. Messaging server
- D. Transaction server

Answer: B

---

**QUESTION 364**

A group of sites that relate to a common interest with each site posting banner ads or links to the other sites is a \_\_\_\_\_?

- A. Webring
- B. Users group
- C. Affiliate organization
- D. Banner exchange
- E. Net club
- F. WAN (Wide Area network)

Answer: A

---

**QUESTION 365**

Which image format supports transparency?

- A. GIF 87a
- B. JPEG
- C. GIF 89a
- D. TIFF

Answer: C

---

**QUESTION 366**

What is a good security measure for remote access?

- A. Callback feature
- B. VPN
- C. Firewall
- D. Encrypt passwords

Answer: A

---

**QUESTION 367**

What is an easy way to add search features to your site?

- A. SSL
- B. CSS
- C. Index Server
- D. List Server

Answer: C

---

**QUESTION 368**

What puts cookies on the client?

- A. Web page
- B. HTML
- C. VBScript
- D. Perl
- E. Active Server pages
- F. Javascript

Answer: E

---

**QUESTION 369**

What would most likely cause a client side script to not work properly?

- A. The web client doesn't support scripting.
- B. Not enough RAM in the server.
- C. Connection too slow.
- D. Not enough RAM in the client.

Answer: A

---

**QUESTION 370**

What supports vectored streaming video files?

- A. Real player
- B. Shockwave
- C. Flash
- D. Macromedia

Answer: C

---

**QUESTION 371**

How many cookies per each domain?

- A. 10
- B. 20
- C. 500
- D. Limited only by hard drive space.

Answer: B

---

**QUESTION 372**

Which language is NOT interpreted by a web server?

- A. Java
- B. HTML
- C. Perl
- D. Server-side Javascript

Answer: A

---

**QUESTION 373**

A \_\_\_\_\_ is a set of content shared by a well-defined group within a single organization, using Internet protocols and standards.

- A. Intranet
- B. Internet
- C. LAN
- D. Extranet

Answer: A

---

**QUESTION 374**

How many colors are in the Web Safe palette?

- A. 16,000,000
- B. 216
- C. 128
- D. 1024

Answer: B

---

**QUESTION 375**

Which tag is not required for an HTML page?

- A. TEXTAREA
- B. HEAD

- C. BODY
- D. HTML

Answer: A

---

**QUESTION 376**

What do you need before you can use ASP (Active Server pages)?

- A. Relational Database
- B. Java
- C. IIS
- D. HTTPS

Answer: C

---

**QUESTION 377**

Browser setting that controls how the browser receives info and automatically downloaded content from web server.

- A. Content
- B. Security
- C. Connections
- D. Programs

Answer: B

---

**QUESTION 378**

Which of the following supports transparent backgrounds?

- A. GIF89
- B. BMP
- C. JPEG
- D. All of the above

Answer: A

---

**QUESTION 379**

Which of the following allows applications to privately exchange data over public networks?

- A. SSL
- B. SSI
- C. Java
- D. Active X

Answer: C

---



**QUESTION 380**

How long would it take to download a 1 MB file on a 128KB ISDN connection?

- A. 13.5 Seconds
- B. 65.5 Seconds
- C. 12.2 minutes
- D. 24.7 minutes

Answer: B

---

**QUESTION 381**

Which port does telnet use by default?

- A. 20
- B. 21
- C. 23
- D. 53
- E. 110

Answer: C

---

**QUESTION 382**

You wish to associate more than one host name with a particular IP address in your DNS database. Which type of record should you add for the second host name?

- A. CNAME
- B. A
- C. PTR
- D. SOA
- E. MX

Answer: A

---

**QUESTION 383**

A hacker is capturing packets off of the Internet with the hopes of obtaining sensitive data. What type of attack is this?

- A. SYN flood
- B. Trojan Horse
- C. PING flood
- D. Man-in-the-middle
- E. Brute force

Answer: D

---

**QUESTION 384**

What does DHCP do?

- A. Provides name resolution services
- B. Protects a network from attackers
- C. Assigns IP addresses to computers
- D. Used to edit web pages
- E. None of the above

Answer: C

---

**QUESTION 385**

What provides interactive 3D?

- A. VRML
- B. Flash
- C. Real media
- D. Quicktime

Answer: A

---

**QUESTION 386**

What can a virus infect? (Choose two)

- A. Gateway
- B. Router
- C. Network Card
- D. Bridge

Answer: A, B

---

**QUESTION 387**

Under what circumstances may a webmaster use content from another site and place it on his own site?

- A. The other site is over twenty five years old.
- B. He changes the font to a different typeface.
- C. He uses the other site's text only, (no graphics).
- D. He is doing a parody.

Answer: D

---

**QUESTION 388**

The logs indicate many connections to your ports without an acknowledgement. What type of attack is this?

- A. SYN flood

- B. Ping of Death
- C. Spoofing
- D. Mail bomb

Answer: A

---

**QUESTION 389**

Dynamic Packet Filtering is used by?

- A. Firewalls
- B. DNS servers
- C. NAPs
- D. List Servers

Answer: A

---

**QUESTION 390**

Web ring are group of sites that are linked together by?

- A. HTTP
- B. FQDN
- C. NAP
- D. DNS

Answer: A

---

**QUESTION 391**

What is the purpose of the LANG attribute?

- A. Tells what type of language to expect on the page.
- B. Tells what's in the META tag
- C. Tells what protocol is being used
- D. Indicates the server side script used

Answer: A

---

**QUESTION 392**

When you attempt to reach a web page, you get an "Error 404" message. What does this mean?

- A. The server is down.
- B. Your browser has had 404 errors since it was installed.
- C. Your modem is too slow.
- D. The file does not exist on the server.

Answer: D

---

**QUESTION 393**

Using a portion of a document protected by copyright as long as it does not take away from the original document or is used for an educational purpose; falls under the realm of which of the following?

- A. Pull
- B. Unicode
- C. Exception
- D. Fair use

Answer: D

---

**QUESTION 394**

Which language is Browser vendor-dependent?

- A. JAVA
- B. PERL
- C. VBScript
- D. SQL

Answer: C

---

**QUESTION 395**

Telnet presents no security risk.

- A. True
- B. False

Answer: B

---

**QUESTION 396**

What protocol does not use Logon Authentication?

- A. SLIP
- B. PPP
- C. VPN
- D. L2TP

Answer: A

---

**QUESTION 397**

What is it called when you configure a router to advertise routes that either don't exist or aren't where they say they are?

- A. Spoofing
- B. Man in the Middle
- C. Syn Flood

D. Ping of Death

Answer: A

---

**QUESTION 398**

To encrypt email, use:

- A. PGP
- B. S/MIME - RSA
- C. DES
- D. Verisign

Answer: A

---

**QUESTION 399**

You want to create an address book. You want to update it and all employees need to have immediate access without downloading. Which should you create?

- A. Directory Server
- B. Certificate Server
- C. Proxy Server
- D. NIS Server

Answer: A

---

**QUESTION 400**

Which can a virus infect?

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

Answer: B

---

**QUESTION 401**

An API (Application programming Interface) that allows Java objects to send messages to Java objects running in other Java Virtual Machines anywhere on a TCP/IP network.

- A. Java RMI (Remote Method Invocation)
- B. CGI
- C. Javascript
- D. Java beans

Answer: A

---

**QUESTION 402**

What allows documents (web pages) to be easily translated into other languages?

- A. Unicode
- B. ASCII
- C. EBSIDIC
- D. DHTML

Answer: A

---

**QUESTION 403**

Which are attributes of HTML forms? (Choose all that apply)

- A. Method
- B. META
- C. Action
- D. Input

Answer: A, C, D

---

**QUESTION 404**

Where do you look for the specification for an Internet standard?

- A. RFC
- B. FAQ
- C. Web server help file
- D. Web browser help file

Answer: A

---

**QUESTION 405**

Which of the following protocols is most commonly used to connect dial-up users to their ISPs?

- A. PPP
- B. PPTP
- C. IPSec
- D. IPX
- E. LDAP

Answer: A

---

**QUESTION 406**

Which type of server is used to send email to a list of subscribers?

- A. Transaction Server
- B. List Server

- C. News Server
- D. Index Server

Answer: B

---

**QUESTION 407**

Which of the following is the most common method of getting information from a web surfer?

- A. Mail survey
- B. Email
- C. HTML form
- D. Forums

Answer: C

---

**QUESTION 408**

You are a web administrator and wish to transfer files to a remote NT server. Which utility should you use?

- A. FTP
- B. Telnet
- C. Tracert
- D. Nslookup

Answer: A

---

**QUESTION 409**

What would you type in at a command prompt to view the IP settings on a Windows NT workstation?

- A. CMD
- B. winipcfg
- C. ipconfig
- D. ifconfig

Answer: C

---

**QUESTION 410**

What types of documents are distributed using Electronic Data Interchange (EDI)?

- A. e-mail
- B. Orders and invoices
- C. Database reports
- D. Newsgroup data

Answer: B

---

**QUESTION 411**

Versign is an example of:

- A. Certificate Authority
- B. Security Enabler
- C. Authentication protocol
- D. Digital signature

Answer: A

---

**QUESTION 412**

Which term means encrypted text?

- A. Zipped text
- B. Ciphertext
- C. Codetext
- D. Encryptext

Answer: B

---

**QUESTION 413**

Someone sends you a Ping packet that is over 65,536 bytes in size and your PC hangs up.

- A. Ping of Death
- B. Ping flood
- C. Ping attack
- D. Syn flood

Answer: A

---

**QUESTION 414**

A(n) \_\_\_\_\_ is a set of content shared by a well-defined group, but one that crosses enterprise boundaries.

- A. Extranet
- B. Intranet
- C. Internet
- D. WAN

Answer: A

---

**QUESTION 415**

What is a frequent error when developing international English language sites?

- A. Using colloquialisms
- B. Not enough bandwidth



- C. Incompatible browsers
- D. Poor security

Answer: A

---

**QUESTION 416**

How many years does a copyright offer protection for an invention?

- A. 50 years
- B. 0 years
- C. 17 years
- D. The life of the author plus fifty years

Answer: B

---

**QUESTION 417**

A virus cannot infect a:

- A. Router
- B. Hub
- C. Gateway
- D. proxy server

Answer: B

---

**QUESTION 418**

Which is used for Digital Certificates?

- A. X.500
- B. X.12
- C. SSL
- D. X.509

Answer: D

---

**QUESTION 419**

Which language must be compiled?

- A. Java Script
- B. HTML
- C. PERL
- D. Java

Answer: D

---

**QUESTION 420**

Which is a single key encryption method?

- A. PGP
- B. Symmetric
- C. Asymmetric
- D. x.509

Answer: B

---

**QUESTION 421**

How would object request brokers can be implemented in a multi-tiered architecture?

- A. Corba
- B. Active X
- C. Java RMI
- D. JDBC

Answer: A

---

**QUESTION 422**

Given:

Web Browser

TCP/IP

Win98

Which component is missing to allow Internet client access?

- A. Operating system
- B. E-mail client
- C. Net connection
- D. DNS Server

Answer: C

---

**QUESTION 423**

You have no connection to the network what can you test on your browser?

- A. Client side script
- B. Server side script
- C. CGI Script
- D. Perl script

Answer: A

---

**QUESTION 424**

Anti-Virus software:

- A. Verifies file checksums
- B. Detects all viruses
- C. Does not require updates
- D. Does not verifies file checksums

Answer: A

---

**QUESTION 425**

Which of the following options is used with the IMG SRC tag to cause text to appear when the cursor is over the image?

- A. Text
- B. ALT
- C. TXT
- D. Border
- E. Mouseover

Answer: B

---

**QUESTION 426**

Which protocol is responsible for obtaining hardware addresses during broadcasts?

- A. RIP
- B. ARP
- C. UDP
- D. TCP

Answer: B

---

**QUESTION 427**

Which layer of the OSI model is responsible for dividing blocks of data into packets?

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

Answer: D

---

**QUESTION 428**

Which email protocol is used for receiving email?

- A. SMTP
- B. SNMP
- C. POP3

- D. FTP
- E. PPP

Answer: C

---

**QUESTION 429**

Which of the following is true of Java?

- A. Developed by IBM
- B. Can be used on any platform
- C. Is a server-side scripting language
- D. Is a required component for all browsers

Answer: B

---

**QUESTION 430**

What services must a computer offer to be an e-commerce server?

- A. File transfer
- B. Credit card authentication
- C. Directory queries
- D. Virtual shopping cart services

Answer: D

---

**QUESTION 431**

You are setting up a process for high school students to receive lectures over the Internet. You have a very slow connection. What would be the best format?

- A. Real Media
- B. QTVR (Quick Time Virtual)
- C. Shockwave
- D. Web TV

Answer: A

---

**QUESTION 432**

In order to access a web site named secure.website.com that uses SSL and requires you to log on. Which URL is correct?

- A. https://username@password//secure.website.com
- B. https://usernamepassword@secure.website.com
- C. https://username@password:secure.website.com
- D. https://username:password@secure.website.com

Answer: D

**QUESTION 433**

Just got over a denial of service due to ping attack, what can you do to prevent it from happening again?

- A. Reconfigure your firewall to disallow ICMP echo replies entering your network.
- B. Install antivirus suite in each work station.
- C. Install active hub between the firewall and the server.
- D. Flush the router.

Answer: A

---

**QUESTION 434**

Your IT people have set up an Intranet on your LAN so employees may share information via web pages. In addition to employees and people who have access to your LAN, some of the web pages and databases are available to outside vendors and customers who need access to inventory levels and delivery dates. This an example of a:

- A. Extranet
- B. Internet
- C. VPN
- D. WAN

Answer: A

---

**QUESTION 435**

What plugin allows images to be rotated in 3D?

- A. Real Player
- B. Flash
- C. Shockwave
- D. Quicktime VR

Answer: D

---

**QUESTION 436**

Search engines usually get their info about sites from?

- A. TITLE tag
- B. HEADER tag
- C. BODY tag
- D. META tag

Answer: D

---

**QUESTION 437**

Access control is NOT used on which type of network?

- A. Intranet
- B. Internet
- C. Extranet
- D. VPN

Answer: B

---

**QUESTION 438**

The Internet requires an ACL (Access Control List).

- A. True
- B. False

Answer: B

---

**QUESTION 439**

Which of the following would not be part of your effort to provide security features for an Internet server?

- A. Mail flooding
- B. Requiring digital certificates
- C. User name and password
- D. Use of digital signatures

Answer: A

---

**QUESTION 440**

What is the second line of a MIME header?

- A. Content Type
- B. Version
- C. Beginning of data
- D. Meta tag

Answer: A

---

**QUESTION 441**

What is the easiest database to set up?

- A. Relational database
- B. Legacy database
- C. SQL Server
- D. Oracle

Answer: A

---

**QUESTION 442**

What can be affected by a virus?

- A. Gateway
- B. NIC
- C. Hub
- D. Bridge

Answer: A

---

**QUESTION 443**

You get a "Destination unreachable" error when trying to access a web site.

- A. Page is not on the server
- B. Problem with DNS
- C. Problem with Gateway
- D. ISP is down

Answer: C

---

**QUESTION 444**

The process that verifies that your login and password are correct.

- A. Authentication
- B. Access control
- C. ACL
- D. Verification

Answer: A

---

**QUESTION 445**

\_\_\_\_\_ are binary data that is used to identify a user on the internet in order to provide secure online transactions.

- A. Digital IDs
- B. ATM cells
- C. Cookies
- D. Certificates

Answer: D

---

**QUESTION 446**

Which graphics type utilizes small dots known as pixels?

- A. Bitmap
- B. Vector
- C. Object
- D. Interlaced

Answer: A

---

**QUESTION 447**

You have an HTML file that is stored on your local desktop that is currently open in your web browser. You view the source of the file, make changes to it and then save it back to the desktop with the same name. You go back to your web browser and the changes are not appearing. What is the most likely cause of this?

- A. The web page needs to be refreshed
- B. You cannot save the source file while the HTML file is open in the web browser
- C. Your changes contained incorrect HTML syntax
- D. You must close the browser and reopen it again

Answer: A

---

**QUESTION 448**

Which of the following IP address ranges is not reserved for private networks?

- A. 192.168.0.0 - 192.168.255.255
- B. 10.0.0.0 - 10.255.255.255
- C. 172.16.0.0 - 172.31.255.255
- D. 1.0.0.0 - 1.255.255.255

Answer: D

---

**QUESTION 449**

What type of server would you use if you have an internal intranet and wanted to provide directory service to it and allow the users to access the Internet?

- A. List server
- B. x.500 directory server
- C. Gateway server
- D. DNS

Answer: B

---

**QUESTION 450**

An ingredient list is eligible for copyright protection.

- A. True



B. False

Answer: B

---

**QUESTION 451**

What services are necessary for a computer to be used as an e-commerce server?

- A. File transfer
- B. Credit card authentication
- C. Directory queries
- D. Virtual shopping cart services

Answer: D

---

**QUESTION 452**

How many bits per character in unicode?

- A. 8
- B. 32
- C. 16
- D. 24

Answer: C

---

**QUESTION 453**

A friend gives you a gif graphic to use on your web page. What should you check before using it?

- A. If it is copyrighted
- B. If it has been corrupted
- C. If it is compatible with your user's browsers
- D. If it is compatible with the web server

Answer: A

---

**QUESTION 454**

Before you can use any Internet-client for a dial-up connection, what must be installed and configured on the client?

- A. IP address
- B. Modem
- C. NIC
- D. Web browser

Answer: B

---

**QUESTION 455**

Which is not eligible for copyright protection?

- A. A dissertation on why taxes are unjust.
- B. An ingredient list.
- C. A classified ad.
- D. An employment application.

Answer: B

---

**QUESTION 456**

Some of your user connecting via RAS, what's best to prevent unauthorized access to your network?

- A. Enable Callback
- B. Call Waiting
- C. Gateway
- D. Firewall

Answer: A

---

**QUESTION 457**

Which cannot be used as a firewall?

- A. Proxy server
- B. Gateway
- C. DHCP server
- D. Router

Answer: C

---

**QUESTION 458**

What is the first DNS server known as?

- A. First
- B. Primary
- C. Slave
- D. Leader

Answer: B

---

**QUESTION 459**

Which HTML tag designates the beginning of a new row in a table?

- A. TH
- B. TD
- C. BR

D. TR

Answer: D

---

**QUESTION 460**

Which would help reduce bottlenecks in the web server?

- A. More RAM
- B. Bigger hard drive
- C. CAT5 cable
- D. RAID 5

Answer: A

---

**QUESTION 461**

What are the basic elements of every web page? (Choose three)

- A. HTML declaration
- B. Forms
- C. Body
- D. Head

Answer: A, C, D

---

**QUESTION 462**

Which are true about cookies? (Choose three)

- A. Cookies that contain no expiration date last forever.
- B. Cookies are erased by your browser if the expiration date has passed.
- C. Cookies that contain no expiration date are erased when you close your browser.
- D. Cookies store information about user preferences.

Answer: B, C, D

---

**QUESTION 463**

Which HTML tag is for numbered lists?

- A. OL
- B. UL
- C. TD
- D. TR

Answer: A

---

**QUESTION 464**

In terms of web site design, what is CSS?

- A. Cascading Style Sheets
- B. Commercial Secure Server
- C. Centralized Secure Sockets

Answer: A

---

**QUESTION 465**

What is least secure?

- A. VPN
- B. PPP
- C. PPTP
- D. SMTP

Answer: D

---

**QUESTION 466**

Which is a server side script?

- A. C++
- B. HTML
- C. PERL
- D. JAVA

Answer: C

---

**QUESTION 467**

What is the application used by chat rooms?

- A. SMTP
- B. SNMP
- C. IRC
- D. PPP

Answer: C

---

**QUESTION 468**

You need to troubleshoot DNS name resolution problems on your network. Which tool should be used to do this?

- A. Netstat
- B. Nbtstat
- C. Nslookup
- D. ARP

Answer: C

---

**QUESTION 469**

The data transfer technology that automatically transfers updated information to a web client is called?

- A. Push technology
- B. Pull technology
- C. Corba
- D. Javascript

Answer: A

---

**QUESTION 470**

What is the max size for cookies?

- A. 100K
- B. 1K
- C. 4K
- D. 16K

Answer: C

---

**QUESTION 471**

What does CSS stand for in a server/internet capacity?

- A. Cascading Style Sheets
- B. Certificate Support Server
- C. Certified Signature Server
- D. Commercial Secured Server

Answer: D

---

**QUESTION 472**

Which one is not supported by most web browsers?

- A. HTTP
- B. Telnet
- C. FTP
- D. NNTP

Answer: B

---

**QUESTION 473**

What is the best Dots Per Square Inch (DPI) for the quickest download time?

- A. 72 dpi
- B. 100 dpi
- C. 150 dpi
- D. 300 dpi

Answer: A

---

**QUESTION 474**

If an author dies two years after obtaining a copyright, how many total years does the copyright last?

- A. 50 years
- B. 52 years
- C. 25 years
- D. 48 years

Answer: B

---

**QUESTION 475**

An encryption method where a private key and a public key are used.

- A. SSL
- B. SET
- C. PGP
- D. S/MIME

Answer: C

---

**QUESTION 476**

Which of the following is not a tool commonly used for editing HTML files?

- A. Notepad
- B. Netscape Composer
- C. FrontPage
- D. PowerPoint

Answer: D

---

**QUESTION 477**

Which is used for secure online transactions?

- A. SSL
- B. VPN
- C. SET
- D. X-500

Answer: C

**QUESTION 478**

What is a dead zone?

- A. A segment between routers using a protocol other than TCP/IP .
- B. A section of the network that is broken.
- C. A router that has been rendered unusable by a virus.
- D. A segment that has too many broadcast storms.

Answer: A

---

**QUESTION 479**

Type of network that enables a range of private IP addresses on internal intranet, while still allowing user to access Internet:

- A. SNMP
- B. SNA gateway
- C. NAT
- D. X.500 direct server

Answer: C

---

**QUESTION 480**

What kind of image compression scheme compresses data only as far as the point in which errors will begin to occur?

- A. Lossless
- B. Lossy
- C. Fractal
- D. Vector

Answer: A

---

**QUESTION 481**

What is Microsoft's web server software called?

- A. IIS
- B. ASP
- C. SQL
- D. XML

Answer: A

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**QUESTION 482**

Copyright protecting your original work is .....

- A. Required before you can use the (c) symbol
- B. Not required and very expensive.
- C. Not required, but highly recommended
- D. The same as obtaining patent

Answer: C

---

**QUESTION** 483

Your IT people have set up your LAN to use Internet standards and features so you can have local messaging, conferencing, web pages, etc. However, only employees and people who have access to your LAN can use it.

This an example of a:

- A. Intranet
- B. Extranet
- C. Internet
- D. VPN

Answer: A