IK0-002

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Version 5.1

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Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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 51.8Mpbs, and OC3 supports 155.4Mbps.

Question No: 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.

Question No: 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).

Question No: 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.

Question No: 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.

Question No: 9
Which executes on server side?

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

Answer: A
CGI scripts are executed at the server.

Question No: 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.

Question No: 11
Which command matches IP address to MAC address?

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

Answer: A
The Adress Resolution Protocol (ARP) resolves IP addresses to MAC addresses.

Question No: 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 No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 19
Which supports encryption?

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

Answer: C
PPP supports encryption.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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).

Question No: 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. .

Question No: 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.

Question No: 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.

Question No: 28
What TCP/IP utility is used to see current contents of a packet on your computer?

A. tracert
B. protocol analyzer
C. ping
D. ipconfig

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

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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 an configure TCP/IP parameters.

Question No: 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.
.

Question No: 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.

Question No: 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

Question No: 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.

Question No: 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.

Question No: 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 environenment.

Question No: 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.

Question No: 42
You enter ftp://124.90.139.51 and you are able to access the site but if you try ftp://TestKing.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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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 (VNP) tunnel.

Question No: 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.

Question No: 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 borth for encrypting and decrypting the message.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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 No: 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.

Question No: 65
Which protocol does not authenticate?

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

Answer: A
The SLIP protocol does not include authentication.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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 51.8Mpbs, and OC3 supports 155.4Mbps. E1 and E3 are the European standards for T1 and T3.

Question No: 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.

Question No: 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.
Displayhing the content, generating the output or a request waiting in a queue would not generate network traffic.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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.

Question No: 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).

Question No: 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.

Question No: 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: A
To cheapest way to connect to the Internet is to use the Telephone line by using a modem.

Question No: 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.

Question No: 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.

Question No: 85
What is encrypted text called?

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

Answer: A
Encrypted text is called text.

Question No: 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.

Question No: 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.

Question No: 88

What is the least secure?

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

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

Question No: 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.

Question No: 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: D
"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. Quicktime VR is streaming video standard.
Flash is used for vectore based web animations, not for streaming video.
Acrobat is used for pdf documents and RealPlayer is a multimedia player.

Question No: 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: B
Copyrighted material must be registered with a copyright office.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 99
Which network hardware device will improve network performance?

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

Answer: A

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

Question No: 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 have the aim to be profitable.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 106
A tunneling protocol is used to facilitate

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

Answer: C
Virtual Private Networks (VNPs) are implemented through tunneling protocols such as PPTP or L2TP.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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
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.
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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 121
Which of the following commands will return DNS information for testking.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 testking.org** returns the IP address of the host name testking.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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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.

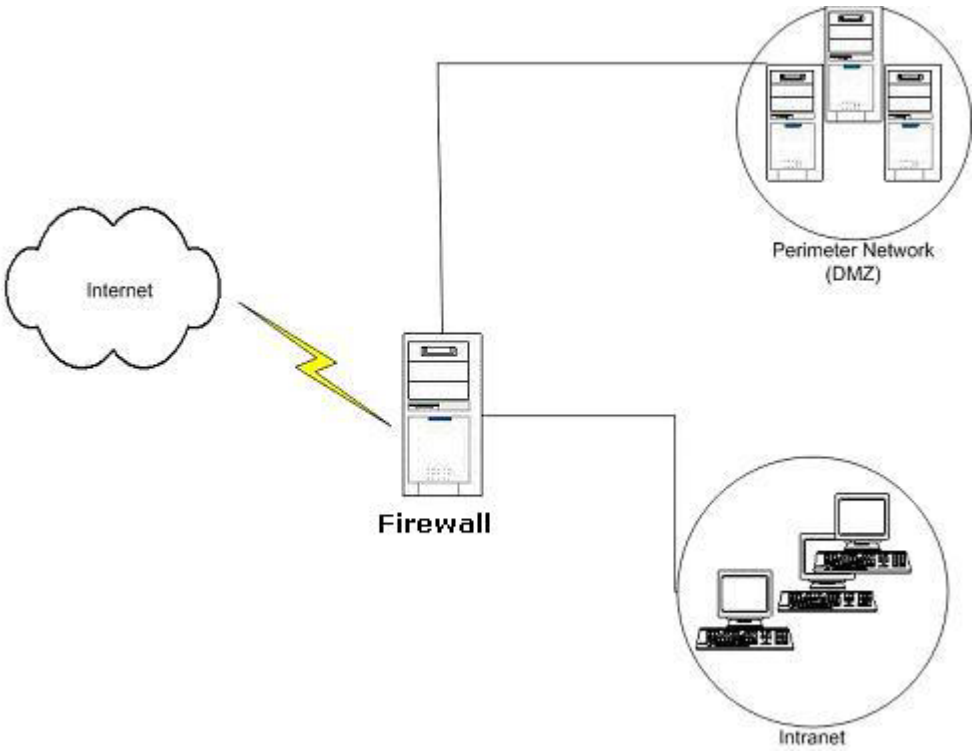
Incorrect Answers

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 No: 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 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 No: 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 No: 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 No: 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 uses the services which was forbidden before.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 by 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 No: 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 No: 156
To establish a connection in an FTP client, which command do you use?

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

Answer: A
Explanation: The connect command is used to open a FTP connection.

Question No: 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 No: 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: C
Explanation: Internet Service Providers are directly connected to the Internet backbone.

Incorrect Answers
A: Incorrect.
B: A network access point is used to gain access to a network, not necessarily Internet.
D: Incorrect.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 164
You are trying to access a site with its url (http://www.testking.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 No: 165
Which forwards information based on MAC addresses?

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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 184
What is the most common cause of disconnection?

A. Virus
B. Line Noise
C. Modem to slow
D. Computer to 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 No: 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 No: 186
What is the proper syntax for copyright in the head of an web page?

A. <COPYRIGT 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.testking.com/profiles/main">
  <TITLE>How to complete Memorandum cover sheets</TITLE>
  <META name="author" content="John Doe">
  <META name="copyright" content="&copy; 2002 TestKing">
  <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 No: 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 No: 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 No: 189
You want to download a file from an FTP server named photos.testking.net. The testking.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.testking.net
B. FTP://username@password:photos.testking.net
C. FTP://username:password@photos.testking.net
D. FTP:username:password/photos.testking.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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 197
Which of the following can reduce the bandwidth of a corporate Internet connection?

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

Answer: C
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 No: 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 No: 199
Which topology is most likely to have NAUN and NADN?

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 No: 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 No: 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 No: 202
You access a web site using https://photos.testking.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.testking.cats.org
C. https:// photos.testking.cats.org/pug/kittens.htm:8080
D. https:// photos.testking.cats.org

Answer: B
Explanation: The server is apparently named photos.testking.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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 209
Which can break up a broadcast domain?

A. Router
B. Transciever
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 No: 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 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.
D: SQL stands for Structured Query Language. SQL is used to manipulate and maintain relational databases.

Question No: 211
After implementing data encryption with issue is most likely?

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

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

Question No: 212
https://www.testking.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 No: 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 down loading 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 by used by search spiders to better create search indexes.

Question No: 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 No: 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 No: 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 No: 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 No: 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 form 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 No: 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 No: 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
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 No: 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 No: 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 No: 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?

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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 241
Which of the following command line utilities can be used to test connectivity to http://www.testking.com?

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

Answer: A

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

Question No: 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 No: 243
Which of the following devices operate sat 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 No: 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 No: 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 No: 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 No: 247
In the URL http://ftp.testking.com/index.htm, which if the following is the domain name?

A. www.testking.com
B. ftp.testking.com
C. testking.com
D. index.htm

Answer: C
Explanation: testking.com is a domain name.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 txt formatting of the web pages. With CSS we can set the font size.

Question No: 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:
Explanation: PHP and ASP are examples of server-side scripting.

Question No: 261

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

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

Answer:
Explanation: Flash uses vector graphics.

Question No: 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 No: 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 No: 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: C
Explanation: We must check that the web page is compatible with many different web clients in different operating systems.

Question No: 265
Which of the following is the correct use of a meta-tag?

A. <HTML><HEAD><TITLE>TestKing 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 TestKing”>
B. <HTML><HEAD><TITLE>TestKing 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 TestKing”>
C. <HTML><HEAD><TITLE>TestKing 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 TestKing”>
D. <HTMP><HEAD><TITLE>TestKing 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 TestKing”>

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 TestKing ">

Incorrect Answers
A: Incorret 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 No: 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 No: 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 No: 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 1certificates 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 No: 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 No: 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 No: 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 No: 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 metho.

Question No: 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 No: 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 No: 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 No: 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 No: 277
A RAS service is running on one of the company's servers. Which of the following methods would 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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: A
Explanation: Copyright material must be registered with a government copyright agency.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 though 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 No: 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 No: 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 No: 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 isa computer security breach in which a malicious user intercepts — and possibly alters — data traveling along a network.

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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 No: 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: A
Explanation: For every DNS domain there must be a master DNS server. The master DNS server is authoritative for the zone.

Question No: 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 No: 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 No: 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 No: 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 No: 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 download speed.

Question No: 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 No: 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
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 No: 341
A user enters http://216.119.103.172 in the Web browser address field and successfully accesses the TestKing Web site. However, after entering http://www.testking.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 testking.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.