

i-Net+ Exam Brain Dump Practice Questions

Practice Questions

It is recommend that you use the questions below to review for the examination. You also have been given a Transcender Review tool for the test. The Transcender will give you a good feel for how the testing software works at the testing center.

There are some questions on the Transcender that are more difficult than the exam and some questions that cover topics that are not on the exam. If a Transcender question's content is not covering one of the topics listed in the Exam Blueprint above; it will not be on the real i-Net+ exam.

For the best results using the Transcender:

- A. Use Tests A and B as practice tests, but save test C for a final review before the exam. Do not take test C until you are very comfortable with the contents of Tests A and B.
- B. When you are done with an exam, print out the correct answers and explanations from the questions you missed. Review the material that those questions covered and retake the same exam.
- C. Beware of memorizing questions on the Transcender. You can get all the Transcender questions correct by memorizing the correct answers rather than learning the materials. That cause you damage when you take the real exam. Be certain that you know why the answers you choose are correct.
- D. When you have a doubt about a particular questions on the Transcender, make a note of the topic or questions number and review that material so you understand all your answers.

Note: Transcender will be releasing an update to their i-Net+ software during the third quarter of 2001.

For the questions below, you should fold the page in half and note your answers on a separate paper before you check each answer. That way you can reuse the questions and you will not be tempted to peek at the answers.

When a question says, "Select all that apply" it is a sign that there are multiple correct answers. You must choose all the correct answers to get the answer correct. On the computerized tests you will find that instead of round "radio buttons" for a single correct answer, the test will give you square checkboxes to mark all the correct answers.

Question	Fold	Answer
<p>Selena’s company recently formed a partnership with a German corporation. Selena now needs to provide her sales team with in their American office and the German affiliates. If the partnership works well, company information regarding currency conversion between Selena’s company may also join with an affiliate in Russia. Which of the following choices provides a global solution for Selena’s sales environment?</p> <p>A. Buy an electronic currency calculator and keep it in the sales office for all associates to use.</p> <p>B. Use an online exchange rate service to calculate conversions, and add the service to her company’s Web site by proper permissions.</p> <p>C. Hire a bilingual German sales assistant who can provide information and calculate exchange rates for the sales department.</p> <p>D. Request that the German affiliates submit all their sales data in U.S. dollars</p>		<p>B. Use an online exchange rate service to calculate conversions, and add the service to her company’s Web site by obtaining the proper permissions.</p> <p>An online exchange rate service such as the Universal Currency Calculator can provide immediate access to current exchange rates for most worldwide currencies. The information is always up to date, and the regions for which users can request information are numerous</p>
<p>Which TCP/IP command displays information about packets processed by your system on the network?</p> <p>A. ipconfig</p> <p>B. nbstat</p> <p>C. netstat</p> <p>D. tracert</p>		<p>C. netstat</p> <p>The netstat command displays the contents of various network-related data structures, such as the state of sockets. More specifically, this command displays information about packets processed by your system on the network.</p>
<p>Suki just signed up with an Internet Service Provider (ISP), and now she is setting up her e-mail client program to receive mail on her new service. To receive e-mail, she needs some specific server information. Which of the following must Suki know to receive email messages from her ISP?</p> <p>A. SMTP server address</p> <p>B. POP3 server address</p> <p>C. Web server address</p> <p>D. NNFP server address</p>		<p>B. POP3 server address</p> <p>Post Office Protocol (POP) is used to download e-mail messages from an Internet POP server, which receives and stores e-mail until the user downloads it. The POP server is identified using a unique host name or IP address.</p>
<p>Which of these languages was the predecessor to HTML?</p> <p>A. XML</p> <p>B. DHTML</p> <p>C. SGML</p> <p>D. Java</p>		<p>C. SGML</p> <p>HTML is derived from the Standard Generalized Markup Language (SGML), a more complex language created in 1986 to move formatted documents across different computer platforms</p>
<p>Boris must select an Internet address class for his network that provides the greatest number of hosts. Which address class should he select?</p> <p>A. Class A</p> <p>B. Class C</p> <p>C. Class D</p> <p>D. Class B</p>		<p>A. Class A</p> <p>Class A addresses use 8 bits for the network portion and 24 bits for the host portion. They provide the potential for 126 networks, with 16,777,214 hosts per network.</p>
<p>Cicero wants to implement an e-mail system that will operate on TCP/IP networks. Which of the following protocols supports e-mail on TCP/IP networks?</p> <p>A. NetBEUI/NetBIOS</p> <p>B. SMTP/POP3</p> <p>C. IPX/IMAP</p> <p>D. LPR/LPD</p>		<p>B. SMTP/POP3</p> <p>Both Simple Mail Transfer Protocol (SMTP) and Post Office Protocol version 3 (POP3) are standard TCP/IP mail services that are widely used on the Internet.</p>
<p>You want to develop a Web site using three-dimensional spaces. What 3-D authoring language will you use?</p> <p>A. HTML</p> <p>B. XML</p> <p>C. VRML</p> <p>D. DHTML</p>		<p>C. VRML</p> <p>VRML is an acronym for Virtual Reality Modeling Language, which is used to create 3-D environments.</p>
<p>Salma needs to enter a DNS record into her primary DNS server so that users can enter the URL “www.company.com” to access the company Web server “server1.company.com”. Which record must Salma enter?</p>		<p>D. CNAME</p> <p>The Canonical Name (CNAME) record creates an alias for a specified host. For example, the name of a Web server is</p>

Question	Fold	Answer
<p>A. AAAA B. ALIAS C. SOA D. CNAME</p>		<p>server1.company.com. A CNAME record creates a “www” alias to the “server1.company.com” host, so it can also be accessed the using the hostname www.company.com.</p>
<p>Digital Certificates are mainly used to: A. identify a company over the Web. B. increase download speed. C. authenticate Internet data. D. validate Internet data.</p>		<p>A. identify a company over the Web. Digital certificates are issued by a certificate authority and are used to authenticate the identities of individuals and company servers engaged in online transactions.</p>
<p>In HTML, a block-level element is an HTML element that (select all that apply): A. is only preceded and followed by paragraph breaks if they are added manually. B. can affect as little as a single character or a few words in a paragraph. C. affects at least an entire paragraph. D. is automatically preceded and followed by paragraph breaks.</p>		<p>C. affects at least an entire paragraph. D. is automatically preceded and followed by paragraph breaks. An HTML block-level element affects an entire paragraph or multiple paragraphs, but it cannot affect pieces of text within a paragraph. When you use a block-level element, a paragraph break is automatically added before and after the affected block of text.</p>
<p>Jacki assigns her computer the IP address 255.255.255.255. Afterward, she cannot gain Internet connectivity. Why? A. 255.255.255.255 is a special-case source address. B. 255.255.255.255 is a network address. C. 255.255.255.255 is a broadcast address. D. 255.255.255.255 is a loopback address.</p>		<p>C. 255.255.255.255 is a broadcast address. The address 255.255.255.255 is a broadcast address used to send messages to all network hosts. Broadcast addresses are used only as destination addresses.</p>
<p>Which of the following are considered original Internet top-level domains? (Select all that apply) A. .net B. .org C. .art D. .per</p>		<p>A. .net B. .org The domains .art and .per are not recognized as valid domain names by the InterNIC.</p>
<p>A. a pair of private keys B. a pair of keys, one public and one private. C. Secure State Level (SSL) keys. D. a three-way algorithm.</p>		<p>B. a pair of keys, one public and one private. Asymmetric encryption uses a public key and a private key to encrypt (scramble) and decrypt data sent over the Internet. If the keys do not correspond to one another, the data cannot be decrypted and is therefore unreadable.</p>
<p>Where are temporary Internet files, or cached files, saved on a computer? A. The hard drive B. The History folder C. The desktop D. The browser</p>		<p>A. The hard drive The browser cache is a folder on the hard drive that saves temporary Internet files.</p>
<p>A. megabytes. B. kilobytes per second. C. kilobits per second. D. kilobytes.</p>		<p>C. kilobits per second. Bandwidth is the rate of data transmission over a network connection, and it is measured in bits per second (bps). For convenience, the most common connections speeds -- those used for modems -- are declared in kilobits per second (Kbps), and higher-speed direct connections -- T-carriers and E-carriers --are declared in megabits per second (Mbps).</p>
<p>Which of the following MIME types identifies an Adobe Acrobat file? A. Application/x-pdf B. Application/acrobat C. Text/acrobat D. Text/x-pdf</p>		<p>A. Application/x-pdf When a Web server sends an Adobe Acrobat file (application/x-pdf) to a browser, the browser will open the correct plug-in to view the file, namely Adobe Acrobat Reader.</p>
<p>Which device will allow you to connect your IBM SNA LAN directly to the Internet so network users can research Web sites? A. Bridge B. Gateway</p>		<p>B. Gateway Gateways, also called protocol converters, can operate at any layer of the OSI/RM. The job of a gateway is much more complex than that of a router or switch. Typically, a gateway</p>

Question	Fold	Answer
C. Router D. Switch		must convert from one protocol stack to another. For example, a gateway may connect a Novell IPX/SPX network to a TCP/IP network.
Jim wants to implement a directory server at his company. The server should use a TCP/IP-based directory protocol that is easy to implement and provides a simple directory access method. Which directory protocol should Jim implement? A. LDAP B. X.500 C. ATM D. PPTP		A. LDAP The Lightweight Directory Access Protocol (LDAP) was developed from X.500 at the University of Michigan. LDAP is easier to implement than X.500 because it is based on TCP/IP, allowing communication on both intranets and the Internet. LDAP uses a simplified X.500 directory structure and a simplified directory access method.
Franco wants to implement a backup solution for his Web server. If the Web server's hard drive fails, an exact duplicate of the failed drive must exist on another drive or server. Which data redundancy server should Franco implement? A. Catalog server B. Caching server C. List server D. Mirrored server		D. Mirrored server A mirrored server provides data redundancy to protect data. Mirroring produces two sets of "writes" for each write that takes place. A mirror set is established between two physical hard drives (or partitions). The mirrored set can exist on the same computer or two separate computers.
Eva wants to send an e-mail message to a co-worker named Gregor. Gregor has an e-mail account on a mail server named colossustravel.com. His e-mail account name on this server is gregor. Which e-mail address format should Eva use to ensure that Gregor receives her Internet e-mail message? A. gregor#colossustravel.com B. gregor! colossustravel.com C. gregor@colossustravel.com D. gregor%colossustravel.com		C. gregor@colossustravel.com The @ symbol is the universally recognized standard symbol for the term "at" in e-mail addresses.
Penelope wants to protect her network from the Internet. What type of server can replace her network IP address with another, contingent address? A. Proxy server B. Catalog server C. Caching server D. DNS server		A. Proxy server A proxy server is an intermediary between a network host and other hosts outside the network. They provide enhanced security, manage TCP/IP addresses, and provide caching server functions.
The most basic block-level element tag in HTML is: A. <P> B. <PARAGRAPH> C. <BLOCK> D. 		A. <P> The paragraph element, denoted by the <P> tag, defines the beginning of a new paragraph. The line break element, denoted by the tag, specifies that a line break is to be inserted wherever the tag occurs, but BR is technically a text-level element.
Chiako is choosing a database management system for her company. It must allow queries and use the Structured Query Language (SQL). Which type of system should she implement? A. Relational database management system (RDBMS) B. Database management system (DBMS) C. Object database management system (ODBMS) D. Hierarchical database management system (HDBMS)		A. Relational database management system (RDBMS) A relational database uses tables that are indexed (i.e., tagged) so users can access the information by issuing different queries. An RDBMS usually uses SQL.
Which protocol can be implemented on a Web server so that applications can securely exchange data between the browser and the Web server without a prior relationship? A. Public keys B. PPTP C. SSL D. S/MIME		C. SSL The Secure Sockets Layer (SSL) protocol allows applications to privately exchange data over public networks, thereby preventing eavesdropping, tampering, and message forgery. SSL is a particularly elegant solution because it allows the transparent exchange of symmetric and asymmetric keys, enabling two parties to communicate without having to establish a prior relationship.
Which of the following file types designates an Apple QuickTime Movie file, which supports video, animation, text and sound?		A QuickTime Movie file is designated by the file type MOV, MOOV or QT.

Question	Fold	Answer
<p>and sound?</p> <p>A. MPEG B. AQT C. MOV D. QTM C. MOV</p>		
<p>Lars wants to insert an image file called "myimage.gif" into an HTML page. Which HTML syntax will render the image file correctly in any graphical Web browser?</p> <p>A. B. <IMG="myimage.gif"> C. <SRC="myimage.gif"> D. <INPUT TYPE=IMG "myimage.gif"></p>		<p>A. When inserting an image into an HTML document, the tag must be used with the SRC attribute, which specifies the name and path to the image file.</p>
<p>You can use Cascading Style Sheets to:</p> <p>A. create "cascading" graphic animations on your Web pages. B. make your Web page accessible and easy to download. C. override default formatting properties presented by HTML elements. D. provide information about your Web page to a browser or spider program.</p>		<p>C. override default formatting properties presented by HTML elements. Cascading Style Sheets allow Web authors to apply formatting instructions to Web pages. Authors can use them to customize HTML elements by overriding default formatting properties.</p>
<p>In regards to internet data transfers, which of the following statements best describes pull technology?</p> <p>A. A mailing list that sends messages to users to notify them of additions to a Web site B. A multimedia application that delivers information directly to a user's desktop C. A computer or program that requests information from another computer or program D. A computer or program that sends data to the client without a request</p>		<p>C. A computer or program that requests information from another computer or program Pull technology refers to any computer or program that must request information before it will be delivered. By contrast, push technology involves programs that can send information without it being requested.</p>
<p>Most browsers allow you to configure cookies settings. Which of the following cookie options can you configure with your browser?</p> <p>A. Receive a warning before you accept a cookie on your computer B. Place cookies on the Web sites you visit C. Receive a warning before you place a cookie on a computer D. Place cookies on user computers that visit your Web site</p>		<p>A. Receive a warning before you accept a cookie on your computer You can configure your browser to alert you each time a cookie is placed on your computer. You can also view, restrict or disable all cookies from your computer, depending on the settings you choose. You cannot place cookies on other computers using your browser, and you cannot place cookies on Web sites that you visit.</p>
<p>The OSI/RM includes which of the following layers? (Select all that apply.)</p> <p>A. Network access B. Physical C. Presentation D. Network</p>		<p>B. Physical C. Presentation D. Network The seven layers of the OSI/RM are application, presentation, session, transport, network, data link, and physical.</p>
<p>In HTML, deprecated elements are:</p> <p>A. tags that are not widely supported by browsers. B. tags that are used by less skilled HTML programmers to create inferior Web pages. C. tags that can still be used but are marked for eventual elimination from the standard. D. tags that cannot be used with the current standard.</p>		<p>C. tags that can still be used but are marked for eventual elimination from the standard. Deprecated HTML elements are scheduled for eventual elimination from the standard, although they will continue to be supported by current browsers.</p>
<p>Which of the following best describes an E3 connection?</p> <p>A. An E3 is the digital equivalent of an analog modem. B. An E3 is the digital equivalent of a DS-1 Internet connection. C. An E3 is the European equivalent of a T3 Internet connection. D. An E3 is the direct-access equivalent of an ISDN line.</p>		<p>C. An E3 is the European equivalent of a T3 Internet connection. An E3 connection is the European equivalent of a T3 connection, which is an extremely fast and costly type of direct connection commonly used by North American ISPs to connect to the Internet infrastructure. An E3 operates at rates up to 34.368 Mbps (megabits per second); a T3 connection can operate at up to 44.736 Mbps.</p>

Question	Fold	Answer
<p>Which of the following statements best describes EDI technology?</p> <p>A. An electronic standard for transferring traditionally paper-based transaction information between computers and companies</p> <p>B. A standard protocol used on the Internet to secure online credit card payments</p> <p>C. A software system that interfaces between a merchant and the merchant's bank to perform credit card authorizations</p> <p>D. A protocol used for transporting e-commerce Web pages across the Internet</p>		<p>A. An electronic standard for transferring traditionally paper-based transaction information between computers and companies</p> <p>Electronic Data Interchange (EDI) is the interorganization exchange of documents in standardized electronic format directly between participating computers. It can be thought of as an electronic replacement of many paper-based transactions, such as purchase orders, invoices, bills of material, and material releases.</p>
<p>Anika administers several networks involving hundreds of users within her company. She wants to install a single device that directs the flow of information from one network to another. Her main concern is speed. Which device should she consider installing?</p> <p>A. Router</p> <p>B. Bridge</p> <p>C. Layer 3 switch</p> <p>D. Network interface card</p>		<p>C. Layer 3 switch</p> <p>A switch is a network layer (Layer 3) device that directs network traffic flow with greater speed than hubs, bridges or routers.</p>
<p>In HTML, a hyperlink is a:</p> <p>A. set of embedded instructions within a text file that accesses another file</p> <p>B. file editor that automatically links your Web pages together.</p> <p>C. compression program that speeds a Web page's downloading process.</p> <p>D. text file that is accessed by a mouse click.</p>		<p>A. set of embedded instructions within a text file that accesses another file</p> <p>A hyperlink is a piece of text or an image in a Web page that can access another file when clicked. HTML provides this ability by embedding instructions in the Web page that point the hyperlink to the target file, which is then accessed by a mouse click.</p>
<p>Ana is developing a Web-based Java program on a Linux Apache server that must access a database. Which database connectivity standard will Ana use?</p> <p>A. JDBC</p> <p>B. ODBC</p> <p>C. NSAPI</p> <p>D. ASP</p>		<p>A. JDBC</p> <p>Java Database Connectivity (JDBC) is designed to use an operating system's registry to make databases available to Java through the Java API. JDBC allows Java to process SQL statements within Java programs, allowing a programmer to configure a database as a Java object.</p>
<p>Because the Internet spans the world, copyrighted original works of authorship can be more difficult to protect when posted on the Web. Although she is a resident of the United States, what enforcement techniques are available to Jeanne to globally protect the Web graphics she creates?</p> <p>A. She can register a U.S. copyright; the World Intellectual Property Organization (WIPO) enforces copyright laws worldwide by cooperation among participating U.N. countries.</p> <p>B. She can register an international copyright with the Information Infrastructure Task Force (IITF), which established international copyright laws with its 1994 "Green Paper"</p> <p>C. She can register an international copyright with the World Intellectual Property Organization (WIPO), which enforces copyrights internationally among participating U.N. countries.</p> <p>D. She can register an international copyright through the Library of Congress Copyright Office.</p>		<p>A. She can register a U.S. copyright; the World Intellectual Property Organization (WIPO) enforces copyright laws worldwide by cooperation among participating U.N. countries. Jeanne can register copyrights through- the U.S Library of Congress Copyright Office, which protects her ownership rights in the United States. The World Intellectual Property Organization (WIPO) is a U.N. agency that protects intellectual property worldwide. If copyright infringement occurs in another country, WIPO enforces the law by cooperation between the countries involved. Violators can be prosecuted in both the violator's country, of residence and the copyright owner's country of residence.</p>
<p>What is the main difference between a PostScript file and an Encapsulated PostScript (EPS) file?</p> <p>A. A PostScript file compresses graphics, whereas an EPS file compresses audio or video content</p> <p>B. A PostScript file is used to transport graphics across-applications and platforms, whereas an EPS file includes the bitmap information for the image as well.</p> <p>C. A PostScript file is used to transport text files across applications and platforms, whereas an EPS file is used to transport graphics across applications and platforms.</p> <p>D. PostScript is the audio format used by UNIX servers,</p>		<p>B. A PostScript file is used to transport graphics across-applications-and platforms, whereas an EPS file includes the bitmap information for the image as- well.</p> <p>The PostScript file format is used for importing and exporting graphics between operating systems and applications. Whereas a PostScript file has only the instructions that determine the display of the graphic, the Encapsulated PostScript (EPS) format contains the actual bitmap information for the graphic. This additional data allows EPS files to</p>

Question	Fold	Answer
whereas EPS is the audio format used by Windows servers.		display an alternative bitmap graphic to preview the file.
<p>Lars wants to download a flashy executable file from a rock band's Web site. How can he ensure that the active content he downloads is safe to run on his system?</p> <p>A. He can research the security of the executable file at any Internet security site before downloading the file. B. He can check for a digital certificate signed by the program's developer that can identify and vouch for the software developer. C. He cannot ensure the content's security; he must trust the Web site authors. D. He need not ensure the content's security; active content poses no threat to computer systems.</p>		<p>B. He can check for a digital certificate assigned by the program's developer that can identify and vouch for the software developer.</p> <p>Many software developers use digital certificates to digitally sign the programs they develop. These certificates are often downloaded with files such as active content, so users can identify the content's source and determine whether it is trustworthy.</p>
<p>The major browsers allow you to configure your browser cache to optimize your computer's performance. Which settings can you configure for your browser cache? (Select all that apply.)</p> <p>A. See an alert box each time a browser file is cached B. Limit the disk space used for cached files C. Turn off browser caching option D. Automatically empty the browser cache</p>		<p>B. Limit the disk space used for cached files D. Automatically empty the browser cache</p> <p>You can configure your browser cache to automatically delete files at specified intervals or when the cache reaches a specified capacity. You can also limit the size of the browser cache so it cannot occupy too much hard disk space.</p>
<p>Tara configures her IP address to 207.191.09.30 and her subnet mask to 255.255.255.1). Afterward, she is unable to communicate with anyone, including other users on the local network. Only the loopback address works correctly when she tests for connectivity. What is most likely the problem?</p> <p>A. The subnet mask is incorrect. B. The subnet mask is not a default class C subnet mask. C. The IP address is invalid. D. The IP address is reserved.</p>		<p>A. The subnet mask is incorrect.</p> <p>The subnet mask distinguishes the network and host portions of an IP address. If it is incorrect, the network and host portions of the address will be incorrectly identified and the computer will be unable to communicate with other computers. The loopback address will work because it tests the individual host.</p>
<p>A packet filter can be defined as:</p> <p>A. a type of gateway that screens e-mail message packets. B. an access control firewall C. a type of firewall that inspects only network header fields after analyzing Internet addresses and port numbers. D. a type of firewall that inspects only Internet addresses and port numbers after analyzing network header fields.</p>		<p>D. a type of firewall that inspects only Internet addresses and port numbers after analyzing network header fields.</p> <p>A packet filter is one type of firewall used to protect a company's internal network from the Internet. By screening Internet addresses and port numbers, the packet filter can restrict incoming traffic and unauthorized users.</p>
<p>Castro wants to offer an extranet to his customers. He does not want anonymous users to visit the extranet. How can he restrict user access to the extranet?</p> <p>A. Enable anonymous access to the server. B. Change the default HTTP port number. C. Create access control lists for the extranet's resources. D. Configure the firewall to only allow HTTP traffic.</p>		<p>C. Create access control lists for the extranet's resources.</p> <p>An access control list defines the permissions for a resource by specifying which users and groups have access to the resource. For example, the Web site may offer certain documents only to registered or paying users. Alternatively, the site may offer access to personal information, which can be supplied only to the owner of that information.</p>
<p>The HTML <FORM> tag is used to create user-feedback forms on Web sites. The FORM element uses the METHOD attribute to specify which method the browser will use to send form data to a Web server. Which two values are associated with the FORM element's METHOD attribute?</p> <p>A. "input" and "get" B. "input" and "select" C. "post" and "action" D. "get" and "post"</p>		<p>D. "get" and "post"</p> <p>The METHOD attribute can take either the "get" or "post" value. If the "get" method is specified, then submitted form data is appended to a URL and used in a query string. If "post" is specified, then form data is posted to the URL specified in the ACTION attribute.</p> <p>The "post" method is most commonly used. The ACTION attribute of METHOD specifies a CGI script to process the data. The INPUT element creates form fields such as text boxes or radio buttons.</p>
<p>Siobhan must include a client-side image map in a Web page. Which of the following tags and attributes must she use to define the image map correctly? (Select all that apply.)</p> <p>A. MAP B. SHAPE</p>		<p>A. MAP B. SHAPE</p> <p>Client-side image maps require the use of the <MAP> and</p>

Question	Fold	Answer
<p>C. IMAGEMAP D. PRE</p>		<p><AREA> tags, as well as the SHAPE attribute, which defines the shape of the image map's hot spots.</p>
<p>Paulie wants to implement a printing solution that will work on both Windows NT and UNIX systems: Which protocol should he use? A. TCP/IP B. LPR/LPD C. NetBIOS 9. IPXISPX</p>		<p>B. LPR/LPD The-Windows NT and UNIX network-operating systems- can both use-the LPR/LPD to submit print jobs-to- network printers and print them. When a user submits a file-for printing, the file is transmitted over the-network in one-direction (unidirectional) The LPR initiates commands and the LPO executes them.</p>
<p>Jasmtne wants to implement a Microsoft solution for her HTTP gateway. What server application programming interlace will she implement? A. NSAPI B. DLL C. SAPI D. ISAPI</p>		<p>D. ISAPI Internet Server Application Programming Interface (ISAPI) is a proprietary HTTP server extension that allows the server to execute other programs and scripts without the expensive processing associated with CGI. It is supported on Microsoft Web servers, such as Internet Information Server (IIS) 4.0, and some third- party proprietary gateways.</p>
<p>Which of the following choices includes all the required HTML document structure tags? A. <HTML> <HEAD>, <TITLE>, <BODY> B. <HTML>, <HEAD>, <BODY> C. <!DOCTYPE>, <HTML>, <TITLE>, <BODY> D. <!DOCTYPE>, <HTML></p>		<p>A. <HTML>, <HEAD>, <TITLE>, <BODY> The four structure-tags required in every HTML document are <HTML>, <HEAD>, <TITLE> and <BODY>, in that order. <HTML> encloses the entire document; <HEAD> and <BODY> are separate from each-other, and <TITLE> is enclosed in the <HEAD> section The <!DOCTYPE> tag (also known as the Document Type-Declaration or DTD statement) is useful to ensure browser compatibility with your code, but it is not a required structure tag.</p>
<p>Which protocol maps NetBIOS names to IP addresses and is used in Microsoft based Networks? A. DNS B; DHCP C. SNMP D. WINS</p>		<p>D. WINS The Windows Internet Naming Service (WINS) is a Microsoft name resolution protocol that maps NetBIOS names (instead of host names) to IP addresses. If your network uses WINS, you must identify the WINS servers that will provide you with the WINS service. WINS uses the NetBIOS name of your computer.</p>
<p>The C programming language is used primarily to create operating systems and applications. Many UNIX operating systems were developed using C. Which of the following statements best describes the main difference between C and C++? A. C++ is based on Java, whereas C is based on C++. B. C++ uses the same set of programming concepts as C but includes additional commands that make it more versatile. C. C is an object-oriented programming language whereas C++ is not. D. C++ is a superset of the C language that uses object-oriented programming.</p>		<p>D. C++ is a superset of the C language that uses object-oriented programming. C++ is superset of the C language, but it uses object- oriented programming concepts whereas C does not. C++ and Java are replacing C because object-oriented programming is becoming popular. C-H- is considered the best language-for creating large-application& The Java language is based on-C++.</p>
<p>In HTML 4:0; what is the-purpose of the<DIV> tag? A. It divides one Web page into two. B. It aligns a-section or division of text within a Web page; C. It diverts the user to a paragraph further down the Web page. D. It distributes affected text into columns or divisions.</p>		<p>B It aligns a section or division of text within a Web page The <DIV> tag creates-a division or section for formatting and manipulation purposes. You can use <DIV> to align content such as-text, tables and images, and justify items on a page.</p>

Question	Fold	Answer
<p>What is a tunneling protocol used with Virtual Private Networks (VPN5)?</p> <p>A. SLIP B. PPTP C. SSL D. PPP</p>		<p>B. PPTP</p> <p>VPN5 can use several different protocols including the Point-to-Point Tunneling Protocol (PPTP). PPTP is designed to establish a private channel between communicating systems (usually a client and a server computer) in a public network such as the Internet.</p>
<p>Wolfgang is choosing a server-side scripting solution to connect his Web server running Internet Information Server (IIS) to a database. He is an expert at VBScript Which solution would be the best choice for him?</p> <p>A. Java Server Pages (JSP) B. Active Server Pages (ASP) C. Personal Home Page (PHP) D. Server-Side JavaScript (SSJS)</p>		<p>B. Active Server Pages (ASP)</p> <p>IIS, ASP and ISAPI are designed to work together as a Microsoft solution. You can use several interpreted scripting languages with Active Server Pages, including VBScript, JScript, and JavaScript However ASP is optimized when working with VBScript and ActiveX components.</p>
<p>Which of the following firewall types uses-a demarcation or “demilitarized” zone?</p> <p>A. Screened host firewall R1 Dual-homed bastion C. Single-homed bastion IX Screened subnet firewall</p>		<p>D. Screened subnet firewall</p> <p>The-screened subnet firewall creates a secure— subnetwork between the Internet and the-host network: The subnetwork or demilitarized zone—contains all- publicly accessible devices.</p>
<p>You are developing a Web site using Microsoft solutions. Which technologies would you use? (Select all that apply.)</p> <p>A. JavaScript B. ActiveX C. LiveWire ii. Jscript</p>		<p>B. ActiveX D. Jscript</p> <p>JavaScript and LiveWire represent Netscape technologies, whereas JScript and ActiveX are each proprietary Microsoft technologies.</p>
<p>Gretchen needs to install a server that validates and certifies keys on her corporate network. Which type of server should she install?</p> <p>A. News-server W FTP server C. Certificate server D): Mail server</p>		<p>C. Certificate server</p> <p>A-certificate server certifies and validates keys. Certificates-allow for encrypted, secure network communications</p>
<p>What function does the HTML <TITLE> tag perform?</p> <p>A. Identifies the Web site title when a user passes the mouse pointer over any hyperlink to that site B. Inserts and centers the Web page title at the beginning of the page in a larger, bold font C. Appends the Web site title to the bottom of each page in the site D. Identifies the Web page title in the browser window title bar, the browser history list, and the printed page</p>		<p>D. Identifies the Web page title in the browser window title bar, the browser history list, and- the printed page</p> <p>The text enclosed between the HTML <TITLE> tags specifies the title that will appear for that page in the browser title bar, the history list, and the printed page. This title will also become the bookmark name if the page is bookmarked. The TITLE element can be different for each page in a Web site</p>
<p>What-is one of the drawbacks of using Cascading Style Sheets to format your Web pages?</p> <p>A. Style sheets must be created in a file separate from the pages they format. B-. Style sheet commands are interpreted differently by Netscape and Microsoft browsers. C. Style sheets are not supported by newer browser versions. If Style sheets can only apply formatting instructions to one page in a Web site.</p>		<p>B. Style sheet commands are interpreted differently by Netscape and Microsoft browsers-</p> <p>The Microsoft and Netscape browsers interpret style sheets commands in different ways, as do other browsers. Further, different versions of one browser may render different results as well. Code should be tested in as many browsers and browser versions as possible to verify compatibility.</p>
<p>Whatis the approximate maximum number of numeric FR addresses that can be assigned, given the current standards?</p> <p>A. 1 million B. I billion C. 4 billion D. 100 million</p>		<p>C. 4 billion</p> <p>IP version 4 supports slightly more than 4 billion IP addresses, calculated by multiplying the maximum values allowed for each field of the dotted quad: 256 x</p>

Question	Fold	Answer
		256 X 256 x 256 = 4,294,967,269.
<p>HTTP servers automatically present a Web site’s default page each time-the site is requested by a user. The default page is specially named for this purpose, though different servers use different default document name. Which of the following is a valid name for a Web site’s default page?</p> <p>A. welcome.default B. server.index C. default.html D. index.home</p>		<p>C. default.html</p> <p>Although default document names differ from server to server, the common accepted default page names include “index”; “default”, “welcome” and “home”, each followed by either the “.htm” or the “.html” file name extension.</p>
<p>In what ways can cookies be useful for Web site developers?</p> <p>A. Cookies inform the Web-server about the visitors’ identity and preferences. B. Cookies are dangerous and should never be used in Web design C. Developers have access to the site visitors hard drive files. D. Cookies are only available in version 4.x (and later) browsers.</p>		<p>A. Cookies inform the Web server about the visitors’ identity and preferences.</p> <p>Cookies collect data about a specific user and deliver it to the originating server. The server can interact with this data and provide a customized experience for the user. Cookies are text files and have no executable abilities and are often encrypted. They cannot access a user’s hard drive, and they are not dangerous. Cookies are supported by many browser versions.</p>
<p>Iris is connecting a single computer to a network. The computer is located farther from the server than the-defined network standards allow. Which of the following devices should Iris use to solve this problem at the OSI/RM physical layer?</p> <p>A. Repeater B. Network interface card C. Bridge D. Hub</p>		<p>A. Repeater</p> <p>A repeater is a network device that regenerates an electronic signal on a cable segment to allow the signal to be carried a distance farther than the cable type supports.</p>
<p>Jose wants to indent a paragraph of text in an HTML document. Which tag should he use?</p> <p>A. <CENTER> B. <TEXTAREA> C. <INDENT> D. <BLOCKQUOTE></p>		<p>D. BLOCKQUOTE</p> <p>The <BLOCKQUOTE> tag is a block-level element that centers and indents a block of text.</p> <p>Sonja has been conducting a great deal of research on the-Web. She realizes that she is running out of memory on her hard drive.</p>
<p>What action can Sonja take to regain hard disk space so she can continue her Web research?</p> <p>A. Delete the contents of the browser cache B. Use a newer browser version C Delete the temporary files from RAM D. Use a different brand of browser</p>		<p>A. Delete the contents of the browser cache</p> <p>As you browse the Web, each file you view is stored in the browser cache, which uses hard disk space. You can regain hard disk space by deleting the files in the browser cache.</p>
<p>Some Web sites may download a cookie to your computer when-you visit Which types of information can-a-cookie pass from your computer back to the site that planted the cookie?</p> <p>A. Files from your hard drive B. Type and version of your operating system and browser C. Copies of your e-mail correspondence D. Your preferences regarding other Web sites you have visited</p>		<p>B. Type and version of your operating system and browser</p> <p>A cookie can pass information back to the site that planted it regarding the type and version of operating system and browser your computer uses. This information allows the Web site to customize its content to your system the next time you visit Cookies can also relay information regarding your preferences when you visited the site that planted it, but not your preferences from other sites you have visited.</p>
<p>Which of the following choices best describes principles of good coding practice to apply when creating HTML pages?</p> <p>A. Text within HTML tags is case sensitive. B. Lines of HTML code must be separated by line breaks. C. All attribute values must be enclosed within quotation marks or they will not render properly: D. All-capital letters and line breaks make HTML code easier to read.</p>		<p>D. All-capital letters and line breaks make HTML code easier to read.</p> <p>Though not required, good coding practice dictates that you write your HTML code to make it clear, consistent, and easy to read. HTML does not require you to use either uppercase or lowercase letters in tags, line breaks between lines, or</p>

Question	Fold	Answer
		quotation marks for all attribute values. However, these practices make code look more professional, and clear code is easier to review, validate and edit
<p>Which of the following statements accurately describes the difference between WYSIWYG HTML-editing programs (such as Microsoft FrontPage or NetObjects Fusion) and text-editing programs (such as WordPad or NotePad)?</p> <p>A. HTML editing programs keep pace with evolving HTML standards.</p> <p>B. HTML-editing programs enable you to create HTML pages without any knowledge of HTML.</p> <p>C. Text-editing programs are often called WYSIWYG (What You See Is What You Get) editors.</p> <p>D. Text-editing programs allow you to create HTML, pages without any knowledge of HTML.</p>		<p>B. HTML-editing programs enable you to create HTML pages without any knowledge of HTML.</p> <p>HTML-editing programs place HTML instructions into files for you; so you need not know HTML to use them. Commands are displayed on the graphical user interface, as they will appear in a browser, thus the programs are often called WYSIWYG editors. However, these programs often do not keep pace with evolving HTML standards. Text-editing programs require you to know and type HTML code manually.</p>
<p>These programs allow you to write your code to the most recent standards and take advantage of the newest technologies. Dory enters http://www.company.com in her Web browser. Which port number is accessed by default?</p> <p>A. Port 80</p> <p>B. Port 143</p> <p>C. Port 8</p> <p>D. Port 53</p>		<p>A. Port 80</p> <p>The default port number for HTTP is 80. When a Web browser accesses a Web page, it accesses port 80 on the Web server.</p>
<p>Some local area networks use an intermediary between the LAN and the Internet. This intermediary provides enhanced security and speeds Internet access by providing caching server functions for frequently accessed documents. All computers and each application on a network using this intermediary must be properly configured- What is this intermediary called?</p> <p>A. Web server</p> <p>B. Proxy server</p> <p>C. Browser cache</p> <p>D. Firewall</p>		<p>B. Proxy server</p> <p>A proxy server provides an intermediary between a LAN and the Internet. The proxy server can provide firewall access and serve as a caching server. However, every user (as well as each application) on a LAN using a proxy server must be properly configured to work with the proxy server, otherwise users will be unable to access outside networks. A proxy server is a type of firewall.</p>
<p>Winston's computer has the IP address 192.168.23.115. Winston uses a direct connection to the Internet, but he cannot access any resources on the Internet. What is the most probable cause?</p> <p>A. 192.168.23.115 is a unique IP address.</p> <p>B. 192.168.23.115 is a reserved address for Internet routers.</p> <p>C. 192.168.23.115 is a loopback address.</p> <p>D. 192.168.23.115 is a private IP address.</p>		<p>D. 192.168.23.115 is a private IP address</p> <p>The International Corporation for Assigned Names and Numbers (ICANN) has reserved three blocks of the IP address space for private Internets (as defined in RFC 1918): 10.0.0.0 through 10.255.255.255; 172.16.0.0 through 172.31.255.255; and 192.168.0.0 through 192.168.255.255. Internet routers are expected to reject (filter out) routing information for these addresses.</p>
<p>Which network operating system originally used IPX/SPX?</p> <p>A. Microsoft Windows NT</p> <p>B. Novell NetWare</p> <p>C. RedHat Linux</p> <p>D. UNIX</p>		<p>B. Novell NetWare</p> <p>Before NetWare 5, NetWare was a proprietary network operating system (NOS) that communicated using the Internetwork Packet Exchange (IPX) protocol, the Sequenced Packet Exchange (SPX) protocol, and the NetWare Core Protocol (NOP).</p>
<p>Which is the most recently implemented protocol that allows computers to connect to the Internet over phone lines?</p> <p>A. ISP</p> <p>B. SLIP</p> <p>C. PPP</p> <p>D. SMTP</p>		<p>C. PPP</p> <p>Point-to-Point Protocol (PPP) is a more recent and improved version of Serial Line Internet Protocol (SLIP). Both are used to connect user's computers to the Internet through dial-up connections. Users connect to their Internet Service Provider (ISP) through these protocols.</p>
<p>Which of the following HTML tags is used to enclose the contents of a cell in a table?</p> <p>A. <TABLE>...</TABLE></p>		<p>C. <TD>...</TD></p> <p>The Table Data tag, <TD>, is used to designate the text or</p>

Question	Fold	Answer
<p>B. <TC>...</TC> C. <TD>...</TD> D. <TR>...</TR></p>		<p>image that appears within a cell in an HTML table. The <TABLE> tag creates the table and contains all other table elements. The Table Row tag, <TR>, contains all elements and cells in an entire table row. The <TC> tag does not exist.</p>
<p>Which of the following best describes DSL? A. DSL stands for Digital Service Line, a dial-up Internet connection method that uses cable TV network lines and a cable modem. B. DSL stands for Digital Service Line, a direct Internet connection method that uses cable TV network lines and a cable modem. C. DSL stands for Digital Subscriber Line, a direct internet connection method that uses digital phone lines and a DSL modem D. DSL stands for Digital Serial Line, a dial-up Internet connection method that uses digital phone lines and a DSL modem.</p>		<p>C. DSL stands for Digital Subscriber Line, a direct Internet connection method that uses digital phone lines and a DSL modem. Digital Subscriber Line (DSL) is a high-speed continuous (direct) method of Internet access. It connects to the Internet through a DSL modem and uses digital phone lines for transmission. DSL connections can operate at rates of 512 Kbps to B Mbps, depending on factors such as network traffic.</p>
<p>Which image attributes can you use to align images and text? (Select all that apply.) A. Below B. Top C. Above D. Middle</p>		<p>B. Top D-. Middle ALIGN attribute values that can be used to align images with text are limited to BOTTOM, MIDDLE, TOP, LEFT, and RIGHT.</p>
<p>Which of the following tags are used in an HTML table? (Select all that apply.) A. <TBL> B. <CAPTION> C. <ACTION> D. 'CD></p>		<p>B. <CAPTION> D. <TD> HTML tables are created using the following tags: <TABLE>, <CAPTION>, <TR>, 'CD', and <TH>.</p>
<p>The <TEXTAREA> tag includes which attributes? (Select all that apply.) A. SPAN B. WRAP C. DIV D. COLS</p>		<p>B. WRAP D. COLS The <TEXTAREA> tag can be further defined using the COLS, ROWS and WRAP attributes.</p>
<p>Internet domain names sometimes use a country-level domain, or country code, to identify the geographical region in which an Internet organization or address is based. Which of the following choices demonstrates the proper syntax for a country-level domain? A. Iondontimes.co.uk B. bonjour.fra.com C. mx.salsa.com D. britishlore.eng</p>		<p>A. Iondontimes.co.uk Country-level domains consist of designated two-letter country codes (such as ".uk" for United Kingdom, ".fr" for France, and ".mx" for Mexico). A country code is always added to the end of a domain name, sometimes following another designation such as "co," "com" or</p>
<p>Some Web page images remain invisible to a user who is downloading the page across a slow connection. What term describes an image that "fades in" or renders gradually as it downloads, first appearing fuzzy and continually sharpening? A. Animated image B. Interlaced image C. Transparent image D. Inline image</p>		<p>B. Interlaced image An interlaced image is repeatedly scanned from left to right, appearing gradually until the image renders completely. This action makes Web pages more accessible to users with slower connections.</p>
<p>Luis must determine the physical address of another computer on his local network. Which command is used to display the IP addresses and physical (MAC) addresses of recently contacted computers? A. netstat B. arp C. ping D. tracert</p>		<p>B. arp The Address Resolution Protocol (ARP) resolves software addresses to hardware addresses. The arp command displays ARP information. It will show the IP address and the physical (MAC) address of any local computer with which you have recently communicated.</p>
<p>Which command displays the IP configurations for a Windows NT computer? A. winipcfg</p>		<p>C. ipconfig The Windows NT ipconfig command is used to display the</p>

Question	Fold	Answer
<p>B. tracert C. ipconfig D. netstat</p>		<p>Windows NT IP configurations. To view all the IP related configuration information, use the /all option. This option displays additional information, such as the hardware address.</p>
<p>Jasper is choosing a fast packet switching technology to connect several company sites throughout the world- He wants to minimize expenses; so sharing a physical network with other networks using logical connections is suitable. He only requires transfer rates of 1.5 Mbps. Which standard will meet Jasper's needs? A. Frame relay B. X.25 C. ATM D. FDDI</p>		<p>A. Frame relay Frame relay networks use Permanent Virtual Circuits (PVC5). These logical, dedicated, end-to-end connections are used for data transfer. Therefore, frame relay is a software-based network because it shares the physical network with other frame relay networks. Each frame relay port has its own port speed, usually a transmission rate ranging from 64 Kbps to 1.544 Mbps.</p>
<p>Which of the following choices best describes Extensible Markup Language (XML)? A. XML is an extended version of HTML that includes more tags. B. XML allows you to describe the function and context of information in a Web document C. XML is the predecessor to HTML and was used to create the HTML tag set. D. XML allows you to create markup tags that define a Web document's format and appearance.</p>		<p>B. XML allows you to describe the function and context of information in a Web document XML is a meta-language, which means it allows you to create your own markup tags to describe the meaning of information in a Web document. Unlike HTML, XML does not define format.</p>
<p>Which of the following examples shows the most effective usage of the wildcard parameter in a search engine? A. jobs AND writ B. jobs AND (writer) C. jobs AND write* D. jobs AND writing(*)</p>		<p>A. jobs AND writ Wildcards are used to capture several variations on a particular word. In this example, the use of writ will search for write, writer, and writing.</p>
<p>A piece of information sent across the network is usually referred to as: A. a trailer. B. a header. C. data. D. a packet.</p>		<p>D. a packet A packet is a fixed piece of information sent across a network. A packet includes three components: a header, data, and a trailer.</p>
<p>Which hardware device places data onto the network wire, and detects and receives data traveling across the wire? A. Physical interface B. Motherboard C. Network interface card D. Transceiver</p>		<p>D. Transceiver Answer D is correct. Most NIC5 contain a transceiver (short for "transmitter-receiver"), which is a network device that transmits and receives analog or digital signals. In LANs, the transceiver places data onto the network wire, and detects and receives data traveling across the wire. Some network types require an external transceiver.</p>
<p>E-commerce uses various support systems, which are provided by the online seller. These systems include email, online directories, inventory control systems, and management information and statistical reporting systems. Collectively, what are these systems called? A. Business-to-consumer systems B. Internet marketing C. Relationship management D. Merchant systems</p>		<p>0. Merchant systems "Merchant systems" is the collective term applied to the various business support services provided by the online merchant. In addition to those mentioned, merchant systems also include ordering and logistical support systems, and settlement support systems.</p>
<p>The Internet was originally designed to operate on a platform that limited its use almost exclusively to universities and the government This platform's client/server architecture later opened the network to any operating system and any programmer who wanted to write a client/server program. For which client/server-based operating system was the Internet originally designed? A. Apple Macintosh B. Windows NT</p>		<p>D. UNIX The Internet was originally designed to operate on the UNIX platform. Because UNIX uses a client/server architecture, the Internet eventually developed into a cross-platform network that could accommodate other newly developed platforms.</p>

Question	Fold	Answer
<p>C. Novell Netware D. UNIX</p>		
<p>Sven is looking on the Web for information about products he can use to break in his baseball glove. He accesses a search engine and enters the words “baseball” and “glove” in the search box. The search engine returns links to Web sites in its index that include these words. Which type of search index did Sven use? A. Structured directory index B. Static index/site map C. Full-text index D. Keyword index</p>		<p>D. Keyword index A keyword index allows users to enter relevant words into a search engine to query the index. These words are compared to the keywords in the index. If the words match, the search engine provides the indexed information to the user, specifically links to Web sites that use the given keywords.</p>
<p>UUcoding was one of the first methods used to transmit non-text files with e-mail. Which method was developed for Apple Macintosh computers to attach non-text files to e-mail messages? A. MIME B. BINHex C. Unicode D. IMAP</p>		<p>B. BINHex BINHex was developed for Apple Macintosh computers to attach non-text files to e-mail messages. BINHex formats the attached file and appends the .hqx file name extension to it. The recipient decodes the BINHex file to reveal the original file.</p>
<p>A PDF file is useful when you need to: A. input <FORM> tags into your HTML code. B. transfer HTML code to DHTML code. C. translate a desktop-published document for viewing on the Web. D. post audio content on your Web site.</p>		<p>C. Translate a desktop-published document for viewing on the Web. PDF is an acronym for Portable Document Format, a general file format that can be created or read on any computer. PDF is used to maintain formatting information for desktop-published documents delivered over the Web.</p>
<p>Which of the following terms is used to describe any word, slogan, symbol, name, package design, device or combination thereof, that marks and distinguishes a product from other products? A. Patent B. Copyright C. License D. Trademark</p>		<p>D. Trademark A trademark can be registered with the government agency in the creator’s residence country that handles trademarks, such as the U.S. Patent and Trademark Office or the Canadian Intellectual Property Office. Participating countries protect registered trademarks worldwide.</p>
<p>Dynamic HTML incorporates the use of which group of technologies? A. HTML 4.0, Cascading Style Sheets (CSS), and the Document Object Model (DOM) B. HTML 4.0, JavaScript, and the Document Object Model (DOM) C. JavaScript, Cascading Style Sheets (CSS), and Extensible Markup Language (XML) D. HTML 4.0, Extensible Markup Language (XML), and the Document Object Model (DOM)</p>		<p>A. HTML 4.0, Cascading Style Sheets (CSS), and the Document Object Model (DOM) Dynamic HTML incorporates HTML 4.0, Cascading Style Sheets, and the Document Object Model, allowing developers to create highly interactive Web pages.</p>
<p>A special version of Point-to-Point Protocol (PPP) called Multilink PPP combines two ISDN channels to increase dial-up connection speed. At what rate of transmission can an Internet connections operate using Multilink PPP? A. 56 Kbps B. 64Kbps C. 128Kbps D. 1.544Mbps</p>		<p>C. 128 Kbps Multilink PPP enables a connection to operate at speeds up to 128 Kbps by combining two ISDN Basic Rate Interface (BRI) B channels. Typical speed of a single ISDN BRI B channel is 64 Kbps.</p>
<p>Subash wants to connect his existing Web site to a database. He is aware of Common Gateway Interface (CGI), but he wants to evaluate other technologies. Which of the following are alternatives to CGI? (Select all that apply.) A. Client-side JavaScript B. Server-Side JavaScript and LiveWire C. Active Server Pages and ActiveX Data Objects D. ColdFusion</p>		<p>B. Server-Side JavaScript and LiveWire C. Active Server Pages and ActiveX Data Objects D. ColdFusion As alternatives to CGI, database connectivity technologies include Microsoft Active Server Pages (ASP) and ActiveX Data Objects (ADO), Allaire ColdFusion, and Netscape Server-Side JavaScript (SSJS) and LiveWire. Client-side JavaScript is not a database-connectivity technology.</p>

Question	Fold	Answer
<p>On the Internet, what term is used to describe a junction between one high-speed network and another?</p> <p>A. Backbone B. Segment C. POP D. NAP</p>		<p>D. NAP</p> <p>A Network Access Point (NAP) usually connects Internet backbones with a router or switch. In the United States, three important NAPs are in New York, Chicago, and San Francisco.</p>
<p>Reiko needs to create several lists in an HTML document. Some lists will be numbered, and other lists will have bullets. Which tags should she consider using?</p> <p>A. <PRE> and B. <CL>, and C. <TABLE>, <TR> and <TD> D. and </p>		<p>B. , and </p> <p>Ordered (numbered) HTML lists are created using the <CL> tag; unordered (bulleted) HTML lists are created using the tag. An tag must precede</p>
<p>Matias needs to obtain the IP address of another computer on the Internet He knows that computer's host name. Which of the following commands can supply him with the computer's IP address?</p> <p>A. ping B. ftp C. ipconfig D. traceroute</p>		<p>A. ping</p> <p>Ping is an acronym for Packet Internet Groper, an application that searches for connections between computers. Using the ping command with a particular host name will resolved the host's name to an IP address and test connectivity.</p>
<p>The Microsoft and Netscape browsers allow you to view the file content of cookies sent to your system. These files are partially encrypted but you can read portions of them. What information can you read within most cookie text files placed on your computer?</p> <p>A. The data gathered by the cookie about your system and browsing preferences B. The URL of the Web site that sent the cookie C. The date and time that the cookie was sent D. The expiration date and time of the cookie file</p>		<p>B. The URL of the Web site that sent the cookie</p> <p>In most cookie files, the data is partially encrypted and difficult to read. However, you can read the URL of the Web site that sent the cookie. In Microsoft Internet Explorer, the Temporary Internet Files folder also lists the cookie file's expiration date, and the date and time the cookie was sent, although this data is not included in the file when it is opened. Instead, the information is listed as file properties when seen in Details view.</p>
<p>On which network model is the World Wide Web based?</p> <p>A. Three tier B. Two tier C. Client/server D. Middleware</p>		<p>C. Client/server</p> <p>The World Wide Web is based on the client/server model. Clients using Web browsers request HTML documents from dedicated hosts known as Web servers. Servers are configured to respond to client requests.</p>
<p>Which of the following choices best defines the term "electronic commerce"?</p> <p>A. The integration of communications, data management, and security capabilities that allows organizations to exchange information related to the sale of goods and services B. The exchange of good and services for money conducted via the Internet C. Commerce conducted via any electronic medium D. The integration of payment mechanisms, products, and delivery capabilities that allows organizations to conduct the sale of goods and services</p>		<p>A. The integration of communications, data management, and security capabilities that allows organizations to exchange information related to the sale of goods and services</p> <p>The traditional definition of e-commerce was simply "commerce conducted via any electronic medium." However, this definition ignored some concepts such as data management and security, which are extremely important to the unique challenges presented by the Internet.</p>
<p>Erika needs to find information on Australian music for a meeting in 10 minutes. She does not know which servers might contain this information, and she knows of no one that she can ask for information. Which Internet service could Erika use to quickly find a list of Web servers devoted to Australian music?</p> <p>A. E-mail B. Gopher C. Newsgroups D. Search engine</p>		<p>D. Search engine</p> <p>With only 10 minutes to spare, Erika's best option would be to use a search engine. Gopher would only be useful if she knew which server contained the information she needed. Asking a colleague via e-mail or posting a query to a newsgroup will probably not provide the needed response in the allotted time.</p>
<p>Juan is creating a Web site dedicated to discussing his boat. He wants to copy some text and a graphic he found on the Sea-Doo Web site, and add it to his own site. What can Juan do?</p> <p>A. He can use any text he finds on another Web site, but he cannot use graphics because this would violate the copyright</p>		<p>C. He can use works from another Web site as long as he obtains permission from the copyright holder by licensing the work under the owner's terms.</p> <p>It is illegal to copy any material — text, graphics, computer</p>

Question	Fold	Answer
<p>holder's rights.</p> <p>B. He can use works from another Web site as long as he does not try to claim that he holds the copyright to these works.</p> <p>C. He can use works from another Web site as long as he obtains permission from the copyright holder by licensing the work under the owner's terms.</p> <p>D. He cannot use works from another Web site under any circumstances because this would violate the copyright holder's rights.</p>		<p>programs, music, choreography, audiovisual works, etc. — from the Internet and use it on your Web site or elsewhere, without express permission from the owner. If you want to license someone else's copyrighted material, you can contact the owner to request permission to use the material, and the owner can agree to license it to you under his or her terms.</p>
<p>Why would it be necessary to disable active content from downloading into your browser? (Select the two best answers.)</p> <p>A. You have limited bandwidth.</p> <p>B. You want to view Java applets and ActiveX components.</p> <p>C. Origin of active content may be questionable.</p> <p>D. Your browser only supports 56Kbps.</p>		<p>A. You have limited bandwidth.</p> <p>C. Origin of active content may be questionable.</p> <p>Active content such as Java applets and ActiveX controls can be disabled for a number of reasons. Most common are lack of bandwidth (less than 56 Kbps), security concerns, and lack of knowledge about the author of the active content.</p>
<p>Bhatia is a new Internet user surfing the Web. She finds a site that says she can enter a contest to win a gift certificate by submitting an electronic form with her personal information. Bhatia fills out the form, but she wonders if it is safe to send information such as her home phone number across the Internet. What security features are provided to help Bhatia decide whether to submit the form?</p> <p>A. Every Web business site is required by law to inform customers of potential risks and offer the option to cancel the transaction.</p> <p>B. All Web forms automatically encrypt any sensitive information before transmitting it across the Internet.</p> <p>C. No security features exist unless Bhatia has installed them on her system.</p> <p>D. By default, Bhatia's browser will display a Security Information alert to warn her of potential security risks.</p>		<p>D. By default, Bhatia's browser will display a Security Information alert to warn her of potential security risks.</p> <p>Most browsers display some type of Security Information alert when users connect to a page or site that requests sensitive information for transmission across the Internet. These security alerts generally tell the user whether or not they are using a secure connection. More experienced users can disable this alert so it does not appear each time they submit information. Web businesses should supply this type of information for their customers, but they are not required to.</p>
<p>The Internet is a worldwide public network consisting of technologies and protocols. Intranets and extranets can both be considered subsets of the Internet. Which of the following statements best describes the difference between intranets and extranets?</p> <p>A. Intranets are used within a geographic continent; extranets are used to connect between continents.</p> <p>B. Intranets are used by Internet industry professionals; extranets are used by casual Web users.</p> <p>C. Intranets are used by commercial organizations; extranets are used by private parties and entrepreneurs.</p> <p>D. Intranets are used within corporations by employees; extranets are used by corporations for non-public customer support.</p>		<p>D. Intranets are used within corporations by employees; extranets are used by corporations for non-public customer support.</p> <p>Both intranets and extranets use the same Web-based technologies as the Internet, although both incorporate security features to restrict the general public from accessing them. An intranet is an "in-house" corporate Web site used for internal functions such as accessing documents or administering personnel support. An extranet is a Web site that provides services to a corporation's existing customers, but the site is not available to the public.</p>
<p>The encryption process scrambles information before transferring it over the Internet, so that private information is kept private. Encrypted data can only be decrypted with the proper key. Businesses use encryption to protect their customer's personal information, such as credit card numbers. Businesses can use keys with different levels of encryption to protect data. Which of the following choices states the typical commercial encryption levels used?</p> <p>A. 28-bit through 40-bit keys</p> <p>B. 28-bit or 140-bit keys</p> <p>C. 40-bit through 128-bit keys</p> <p>D. 40-bit or 128-bit keys</p>		<p>D. 40-bit or 128-bit keys</p> <p>Typical commercial encryption uses either 40-bit keys or 128-bit keys. The more bits included in the key, the more difficult the data is to decrypt without the correct key.</p>
<p>Bjorn wants to use his personal computer to establish a command-line session and run a program on a remote UNIX-based operating system. Which protocol will provide such a connection?</p> <p>A. Hypertext Transfer Protocol</p>		<p>D. Telnet</p> <p>Telnet is a remote host connection application that allows a user to log into and use an application on a remote computer using the command-line interface of the UNIX operating</p>

Question	Fold	Answer
<p>B. Simple Mail Transfer Protocol C. File Transfer Protocol D. Telnet</p>		<p>system. HTTP, SMTP, and FTP are protocols used by other Internet applications.</p>
<p>Computer viruses can cause damage ranging from relatively minor to debilitating. You can protect your system against viruses by using commercial virus-detection software to find and defeat viruses. Because new viruses are created so rapidly, what must you do to ensure that your antivirus software can protect you? A. After you install the antivirus software, scan your system at least weekly. B. Install at least two different antivirus programs and use them alternately C. After you install the antivirus software, scan your system every thy. D. Always check for and install program updates to your antivirus software.</p>		<p>D. Always check for and install program updates to your antivirus software. Antivirus programs use virus signature files to identify viruses. Because new viruses are created frequently, updates must be made regularly or the software will be unable to protect your system from new viruses. Many antivirus programs automatically download the latest files; however, you should watch for updates and be sure to use them.</p>
<p>Julio wants to include hypertext links in his Web page. He codes-references into his HTML so that when users click a link, they will (select all that apply): A. access another Web page. B. access the SGML reference code. C. be transferred to the browser cache. D. access other media such as sound, video, animation and images.</p>		<p>A. access another Web page. D. access other media such as sound, video, animation and images. Hypertext links can be used to access other Web pages or multimedia files. Commonly called “hyperlinks,” these links can also access specified text on the same Web page.</p>
<p>Which audio file format do both the Netscape Navigator and Microsoft Internet Explorer browsers inherently support? A. AU B. PDF C. AVI D. MPEG</p>		<p>A. AU AU is an audio format used by UNIX servers, the most common on the Web, and is consequently supported by most Web browsers.</p>
<p>In what ways is a Boolean operator helpful during an advanced Internet search? A. A Boolean operator is only useful for simple searches B. It allows the browser to search multiple engines simultaneously. C. It narrows searches by using AND, OR, and NOT statements D. It narrows searches by using IF / THEN statements.</p>		<p>C. It narrows searches by using AND, OR, and NOT statements Boolean operators are used to narrow or restrict searches to specifically combined or excluded terms using the AND, OR, and NOT statements.</p>
<p>HTML uses two types of tags: container tags and empty tags. Which of the following best describes empty tags? A. Empty tags use an opening and a closing tag. B. Empty tags stand alone, with no closing tag. C. Empty tags require a slash (/) before the element name. D. Empty tags are placed on either side of the element name.</p>		<p>B. Empty tags stand alone, with no closing tag. Empty tags stand alone; they require no closing tag. Container tags come in pairs; they require both an opening and a closing tag. All tags consist of an element name enclosed in wickets; the closing container tag requires a slash before the element name.</p>
<p>Kyle wants to learn how users find her Web site. Which technology allows her to discover this information? A. Logging B. Accounting C. SSL D. IDS</p>		<p>A. Logging Web servers and a majority of server types generate a log of the requests they handle. Logs can contain referrer data—part of the information transmitted by a browser to a server is the URL at which the browser is pointing when it makes the request. This information can be logged to indicate how users enter the site.</p>
<p>Why are full-text index searches not used Internet-wide? A. Because these searches require full page contents to be indexed, which would require massive amounts of storage B. Because users cannot be depended upon to use proper spelling and grammar in text strings, therefore the searches would have poor rates of accuracy C. Because users would be required to enter the full page contents of a document into a search engine, and the potential for errors is great</p>		<p>A. Because these searches Full-text indexes allow a user to enter into a search engine any text string that might exist within a Web document. However, this requires that the full contents of Web pages be indexed in order to be effective. Massive amounts of storage would be required to index entire Web page contents Internet-wide, therefore wide use of full-text indexes is unlikely. However,</p>

Question	Fold	Answer
<p>for errors is great D. Because the process of creating a full-text site map is very complex and would delay the release of many Web sites</p>		<p>some companies offer full-text indexing within the organization for document retrieval or various files.</p>
<p>A plug-in is useful for: A. extending a browser's capabilities. B. creating streaming technology. C. clearing the disk cache. D. writing HTML code for the Netscape browser.</p>		<p>A. extending a browser's capabilities. Plug-ins are third-party utilities that extend the multimedia and file-type compatibility of the browser.</p>
<p>In HTML, a text-level element is an HTML element that (select all that apply): A. can affect as little as a single character or a few words in a paragraph. B. is automatically preceded and followed by paragraph breaks. C. affects at least an entire paragraph. D. is only preceded and followed by paragraph breaks if they are added manually.</p>		<p>A. can affect as little as a single character or a few words in a paragraph. D. is only preceded and followed by paragraph breaks if they are added manually. An HTML text-level element affects single or multiple characters or words within a paragraph. Text-level elements do not automatically add any spaces or paragraph breaks to the affected text.</p>
<p>Which command displays the path between the source and destination systems on a Windows NT computer? A. ping B. netstat C. arp D. tracert</p>		<p>D. tracert The tracert utility can determine the path between the source and destination systems. This command also provides information on round-trip propagation time between each router and the source system.</p>
<p>Terence has configured a LAN with TCP/IP. Which device is required for his LAN to connect directly to the Internet? A. Repeater B. Gateway C. Hub D. Router</p>		<p>D. Router Routers operate at the network layer (Layer 3) of the OSI/RM. Instead of using MAC addresses, routers use network protocols, such as IP and IPX. They forward, or route, data from one network to another, rather than route data from one node to another on the same physical network.</p>
<p>Which protocol identifies a file type, encodes the file using the file type, and decodes it at the receiving end to display properly? A. Unicode B. POP3 C. MIME D. HTTP</p>		<p>C. MIME The Multipurpose Internet Mail Extensions (MIME) protocol identifies a file type, encodes the file using the file type, and decodes it at the receiving end to display properly. MIME is used by HTTP servers and for e-mail attachments; and file types are classified as MIME types. The different MIME types are classified under broad headings (text, image, application, audio, and video), then subclassified by exact type.</p>
<p>Jamie is a Webmaster. She must implement a solution that enables her Web server to pass data from itself to another server, application, or database. Which solution will best meet Jamie's needs? A. Push technology B. HTTP gateway C. Extranet D. Intranet</p>		<p>B. HTTP gateway "HTTP gateway" is a general term that can refer to a script (e.g., a Perl script) or mini application (e.g., a Java servlet or dynamic link library) that allows an HTTP server to pass a client's data to a program or database, and then return the program's output to the client.</p>
<p>Marcella's Web server crashes every time she restarts it She uses a packet sniffer and discovers a ping flood directed at her server. Which type of attack is occurring? A. Insider B. Denial of service C. Brute force D. Spoofing</p>		<p>B. Denial of service Denial-of-service attacks are the most common type of attack. These occur when the host or system cannot perform properly because another program or node on a network is using all the system's resources. A hacker can generate a rapid flood of information, such as a large number of ping packets (called a ping flood), to overburden or crash the network device.</p>
<p>Franck wants to clear his browser cache. How can he access and delete the cached files? (Select all that apply.) A. Access the Recycle Bin folder on his desktop and empty it B. Access the Temporary Internet Files folder through his Microsoft Internet Explorer browser and empty it</p>		<p>B. Access the Temporary Internet Files folder through his Microsoft Internet Explorer browser and empty it C. Access the Disk Cache folder through his Netscape Navigator browser and empty it</p>

Question	Fold	Answer
<p>C. Access the Disk Cache folder through his Netscape Navigator browser and empty it D. Access the History folder on his hard drive and empty it</p>		<p>Depending on which browser he uses, Franck can access his browser cache through his browser, and empty it by deleting the cached files from the Disk Cache folder or Temporary Internet Files folder. Because cached files are saved on the hard drive, clearing the browser cache frees up hard disk memory.</p>
<p>Cicero is developing a Web site so he can begin selling his popular Italian pastas and spices online. He hopes that users in countries other than his homeland will become customers, but he realizes that not all users can read Italian. Cicero considers options for localizing the Web site's language to users in many different countries. Which of the following options can provide reliable standard multi-language translation through the visitor's browser? A. ASCII B. Multi-Language Support Protocol C. Unicode D. Online translation tools and software</p>		<p>C. Unicode Unicode is a text and script character standard that can interchange, process, and display text of all principal written languages. This text file format is translated by the user's interface. With browsers that support Unicode, Web pages created with Unicode can be translated into almost any language in the world. Unlike online translation tools and software available on the Internet, Unicode offers a standardized vocabulary that results in more contextually accurate translations. Unicode may one day replace ASCII (which translates text into alphanumeric code) as the most common text file format on the Internet.</p>
<p>Which of the following search engines was designed specifically for use with the Gopher service? A. AltaVista B. Yahoo! C. Veronica D. Deja.com</p>		<p>C. Veronica AltaVista and Yahoo! are Web search engines. Deja.com is used to search Usenet newsgroups. Veronica is used only for searching Gopher.</p>
<p>Web pages that contain multiple or large images take more time to download than simple pages with small or no graphics. Pages can be downloaded faster with equipment that accommodates a higher rate of data transmission. Which of the following terms describes the rate of data transmission over a network connection? A. Modem B. Dithering C. Compression D. Bandwidth</p>		<p>D. Bandwidth Bandwidth is the rate of data transmission over a network connection. The more bandwidth you have available, the faster you can download Web pages.</p>
<p>A computer on a local area network sends data. The data echoes back through the network until terminators are placed at each end of the network. Which type of network topology does this scenario best describe? A. Star topology B. Ring topology C. Bus topology D. Peer-to-peer network</p>		<p>C. Bus topology Bus topology networks require the use of terminators at each end to ensure that network traffic does not echo back through the network.</p>
<p>Which of the following IP addresses are valid for hosts? (Select the two best answers.) A. 127.0.0.A B. 41.108.47.9 C. 192.23.111.8 D. 10.1.12.256</p>		<p>B. 41.108.47.9 C. 192.23.111.8 Valid host IP addresses must be taken from one of the available class ranges. Each field within a valid host IP address can be a number between 0 and 255, but cannot include 0 or 255. IP addresses beginning with 127 are reserved loopback addresses and cannot be used as host addresses.</p>
<p>Major Web browsers such as Netscape Navigator and Microsoft Internet Explorer allow you to configure security settings for your protection. Which of the following is a security feature that you can configure to your own preferences? A. Automatic encryption can be enabled for all content transferring to and from your browser. B. Security levels can allow, reject, or ask you to accept active content such as applets before downloading. C. The 'lock' icon displays to indicate that you are using a</p>		<p>B. Security levels can allow, reject, or ask you to accept active content such as applets before downloading. You can configure the Internet Explorer browser with security levels of low, medium or high. Low security allows you to automatically download any active content you encounter with a simple alert for unsigned or unsafe files. Medium security presents you with the option to accept or decline any active content your browser encounters, and it displays digital</p>

Question	Fold	Answer
<p>secure connection. D. The antivirus scanner can automatically search for computer viruses each time you log on.</p>		<p>content your browser encounters, and it displays digital certificates for content if available. High security rejects any active content encountered by the browser and notifies the user that the active content will not display</p>
<p>Maria’s supervisor asked her to find financial information on another company. She is especially interested in the credit history for that company. Which of the following actions would yield the best results for Maria? A. Check the databases on the Dun & Bradstreet and Experian Web sites. B. Send an e-mail to the company’s customer service department asking for the information. C. Use a newsgroup to ask that company’s customers for any relevant information. D. Search the company’s Web site for the credit information.</p>		<p>A. Check the databases on the Dun & Bradstreet and Experian Web sites. Dun & Bradstreet and Experian provide access to sophisticated databases of credit and financial information on specific companies. The company’s Web site may not provide detailed or complete financial data, and the company may be reluctant to provide such data to a random caller. Searching the Web or newsgroups for relevant data would be time consuming, and would not necessarily provide detailed and reliable information.</p>
<p>Legacy applications are programs that have existed for many years and are still used, though newer versions of them (or similar programs) have been released. Browsers such as Netscape Navigator and Microsoft Internet Explorer are still widely used in versions predating 3.0. Which of the following is a problem associated with using these legacy applications? A. Older browser versions do not support currently common Web features such as tables. B. Older browser versions cannot render Web pages created after the browser release. C. Older browser versions do not support currently common Web features such as frames. D. Older browser versions do not support HTML.</p>		<p>C. Older browser versions do not support currently common Web features such as frames. Older versions of browsers, such as Navigator and Internet Explorer predating version 3.0 cannot support some Web features that are now considered commonplace, such as frames and some active content.</p>
<p>Erika needs to find information on Australian music for a meeting in 10 minutes. She does not know which servers might contain this information, and she knows of no one that she can ask for information. Which Internet service could Erika use to quickly find a list of Web servers devoted to Australian music? A. Gopher B. E-mail C. Newsgroups D. Search engine</p>		<p>D. Search engine With only 10 minutes to spare, Erika’s best option would be to use a search engine. Gopher would only be useful if she knew which server contained the information she needed. Asking a colleague via e-mail or posting a query to a newsgroup will probably not provide the needed response in the allotted time.</p>
<p>Which of the following HTML examples shows correct usage of the <HR> tag with attributes? A. <HR ALIGN="right" SIZE="22%"> B. <HR WIDTH="88%" ALIGN="bottom" NOSHADE> C. <HR WIDTH="88" NOSHADE> D. <HR ALIGN=top></p>		<p>C. <HR WIDTH="88" NOSHADE> The <HR> tag can be used with the following attributes: NOSHADE, SIZE, WIDTH, and ALIGN. The NOSHADE attribute does not take a value and specifies that no 3-D shading effects should be applied to the line. The SIZE attribute should only be specified in pixels when used with the <HR> tag. The WIDTH attribute can be specified in pixels or percentage of screen width. The ALIGN attribute can only take the values of "right", "center" or "left" when used with the <HR> tag.</p>
<p>Ling wants to reduce network traffic within her company by dividing one network into two segments at the OSI/RM data link layer. Which of the following devices is most appropriate? A. Bridge B. Network interface card C. Router D. Hub</p>		<p>A. Bridge A bridge is a data-link-layer network device that divides a network into segments and recognizes Media Access Control (MAC) addresses. A bridge is often used to better manage network traffic. Routers operate at the network layer of the OSI/RM.</p>
<p>An HTML tag can consist of an element, an attribute and a value, enclosed within a pair of angle brackets or "wickets." Which of the following items constitutes the minimum requirement for the most basic tag? A. Value</p>		<p>C. Element Some HTML tags use only an element and do not support attributes or values. Others support both attributes and values of the element.</p>

Question	Fold	Answer
<p>B. Element and attribute C. Element D. Attribute</p>		
<p>For security reasons, Douglas wants to block all SMTP traffic to his server. Which port number should he disable? A. Port 23 B. Port 25 C. Port 21 D. Port 27</p>		<p>B. Port 25 SMTP uses port 25, which is a well-known (reserved) port number. If access to port 25 is disabled, the server will not be able to accept any SMTP packets.</p>
<p>Which of the following viewers uses a popular multimedia technology introduced in 1995 to display interactive games, multimedia user interfaces, video and audio, including live concerts and radio? A. Adobe Acrobat Reader B. Windows Media Player C. RealNetworks RealPlayer D. Macromedia Shockwave player</p>		<p>D. Macromedia Shockwave player Macromedia Shockwave is a group of multimedia players designed to deliver several types of multimedia, including animation, sound, graphics and streaming video. The Shockwave player display interactive games and audio and video interfaces that employ Shockwave multimedia technology. Since Shockwave was introduced in 1995, thousands of sites have been designed with its multimedia capabilities.</p>
<p>Which protocol allows a mail client to send e-mail from its e-mail program to another computer on the Internet? A. Simple Mail Transfer Protocol B. File Transfer Protocol C. Telnet D. Network News Transfer Protocol</p>		<p>A. Simple Mail Transfer Protocol Simple Mail Transfer Protocol is the Internet standard protocol for transferring electronic mail messages from one computer to another. Telnet is a terminal emulation application. File Transfer Protocol and Network News Transfer Protocol are used for FTP and Usenet respectively. Paulie wants to find information</p>
<p>about several particular breeds of cats. He visits a popular search engine and manually searches through a directory tree of topics until he finds a directory titled "cats" and a subdirectory titled "Breeds." He chooses a breed then looks through a list of indexed pages on that topic, and chooses one page with which to begin his research. Which type of search index did Paulie use? A. Keyword index B. Static index/site map C. Full-text index D. Structured directory index</p>		<p>B. Static index/site map A static index allows users to manually search through directories to locate indexed topics and pages. The directories are often presented as a directory tree. Similarly, many Web sites use a site map to display the contents of the entire site to users who may not want to visit each page. Yahoo! is an example of a search engine that provides a static index.</p>
<p>In HTML a hyperlink is a: A. set of embedded instructions within a text file that accesses another file B. compression program that speeds a Web page's downloading process. C. file editor that automatically links your Web pages together. D. text file that is accessed by a mouse click.</p>		<p>A. set of embedded instructions within a text file that accesses another file A hyperlink is a piece of text or an image in a Web page that can access another file when clicked. HTML provides this ability by embedding instructions in the Web page that point the hyperlink to the target file, which is then accessed by a mouse click.</p>
<p>XYZ Corporation wants to simplify the customer support process for its distributors by enabling them to obtain company forms and reports online. Which of the following Web-based systems should XYZ implement? A. FTP site B. Extranet C. Usenet D. Intranet</p>		<p>B. Extranet An extranet will allow XYZ to perform support tasks for its distributors online. Distributors can access company information over the Web, but the general public will be restricted from accessing the site.</p>
<p>In HTML, what is the purpose of the <PRE> tag? A. It specifies a graphic that should precede text on the Web page. B. It inserts preliminary HTML code that is seen only by the browser. C. It precedes the body or contents of the Web page. D. It places preformatted text in a Web page.</p>		<p>D. It places preformatted text in a Web page. The <PRE> tag allows you to perform "primitive formatting" in your Web page by placing preformatted text in the page and retaining its format. The <PRE> tag is useful when creating tabular data using a fixed width font.</p>

Question	Fold	Answer
<p>When creating HTML files, what names can you assign to your documents?</p> <ol style="list-style-type: none"> 1. HTML file names can be anything. 2. HTML file names must end in “.htm” or “.html”. 3. HTML file names must begin with “http://”. 4. HTML file names must be brief and descriptive. 		<p>B. HTML file names must end in “.htm” or “.html”.</p> <p>HTML file names must end with the file name extension “.htm” or “.html” so a browser can recognize the file. It may be helpful to give files brief or descriptive names, but this is not required.</p>
<p>Althea needs information about ballpoint pens. She wants to find Web pages based only on the words “ballpoint” and “pen” when they appear together. On most Web search engines, which of the following searches would best meet Althea’s needs?</p> <ol style="list-style-type: none"> A. Search first on “pen” then on “ballpoint” B. ballpoint+pen C. Search first on “ballpoint” then on “pen” D. “ballpoint pen” 		<p>D. “ballpoint pen”</p> <p>Enclosing a phrase in quotation marks is an advanced searching technique that instructs the browser to search for the exact phrase in quotes. In this example, search results are limited to sites whose keywords include the phrase “ballpoint pen” but not the words “ballpoint” or “pen” alone.</p>
<p>Which TCP/IP configuration determines whether a destination address is local or remote?</p> <ol style="list-style-type: none"> A. Subnet mask B. Default gateway C. IP address D. DNS 		<p>A. Subnet mask</p> <p>The subnet mask specifies whether a destination address is local or remote, and it distinguishes the network and host portions of an IP address.</p>
<p>Which of the following file formats is a popular, customizable graphics format commonly used for medical imaging and desktop publishing, and can be exchanged between applications?</p> <ol style="list-style-type: none"> A. GIF B. PNG C. JPEG D. TIFF 		<p>D. TIFF</p> <p>Aldus Corporation, which is now Adobe Software, developed the Tagged Image File Format (TIFF). TIFFs are customizable graphics files that support grayscale, 8-bit and 24-bit color, and monochrome formats. Similar to the EPS format, TIFFs can be exchanged between applications. TIFFs are commonly used for desktop publishing and medical imaging.</p>
<p>Klaus must create an HTML form that includes a text box, a radio button, a drop-down list, and a comments box. Which of the following combinations of tags (excluding attributes) will provide the form elements he requires?</p> <ol style="list-style-type: none"> A. <FORM>, <INPUT>, <SELECT> and <TEXTAREA> B. <FORM>, <INPUT> and <SIZE> C. <FORM> and <INPUT> D. <FORM>, <TEXT>, <RADIO>, <LIST> and <COMMENT> 		<p>A. <FORM>, <INPUT>, <SELECT> and <TEXTAREA></p> <p>The <FORM> tag is used to encapsulate the form elements. The <INPUT> tag is used with the TYPE attribute to insert and define a number of form elements, including radio buttons and check boxes. The <SELECT> tag is used to insert a drop-down list into a form. The <TEXTAREA> tag is often used to insert a comments box into a form.</p>
<p>Which of the following image file formats allows you to put several images together to create an animated sequence?</p> <ol style="list-style-type: none"> A. GIF B. MPEG C. JPEG D. PNG 		<p>A. GIF</p> <p>One reason the GIF format is so popular is because it allows you to create image sequences that appear to move, often called animated GIFs. Currently, GIF 89a is the only format that supports animation. MPEG is used for “movie” files, which are sequences of photographs that incorporate sound.</p>
<p>Users can access and navigate an FTP server using an FTP client program. For which of the following actions does the FTP client program use the “get” command?</p> <ol style="list-style-type: none"> A. To search for a file B. To download a file C. To upload a file D. To move a file to a new location 		<p>B. To download a file</p> <p>The FTP client program uses the “get” command to download a specified file from the FTP server. The user can enter this command with the file name, but the get command is generally initiated by the FTP client (invisible to the user) when the user clicks on the file to be downloaded.</p>
<p>Gwen wants to implement an HTTP gateway that is simple and universally accepted. Several programmers in her company are experts in the Perl scripting language. Which HTTP gateway should she implement?</p> <ol style="list-style-type: none"> A. NSAPI B. JSP C. CGI 		<p>C. CGI</p> <p>CGI is a widely implemented and universally accepted HTTP gateway. Most programs executed by servers are written in Perl. NSAPI and ISAPI are newer HTTP gateways that are proprietary. JSP is a server-side scripting language that requires</p>

Question	Fold	Answer
D. ISAPI		Java proficiency.
<p>A transparent image blends into a Web page's background by allowing the page's background color or design to show through clear areas of the image. Which of the following Web-ready file formats support transparency? (Select all that apply.)</p> <p>A. GIFS7a B. PNG C. GIFS9a D. JPEG</p>		<p>B. PNG C. GIF 89a</p> <p>The only Web-ready formats that support transparency are PNG and GIF 89a. The GIF 89a format is the most popular. Some graphics-editing programs allow you to save a GPF 89a as a GIF 87a and retain transparency.</p>
<p>The SET protocol is an element of:</p> <p>A. Telnet. B. FTP Internet searches. C. electronic commerce. D. TCP/IP packet transfer.</p>		<p>C. electronic commerce</p> <p>SET is an acronym for Secure Electronic Transactions, a technology being developed to increase the security and privacy of online purchasing.</p>
<p>Which of the following is a valid URL for accessing a Web page?</p> <p>A. ftp://www.funny.net B. html://www.funny.com/haha. http C. news:funny.com/haha D. http://www.funny.org/haha. html</p>		<p>D. http://www.funny.org/haha.html</p> <p>Web pages are accessed using Hypertext Transfer Protocol (HTTP), therefore Web page URL5 must begin by stating the access protocol "http://". Hypertext Markup Language (HTML) is used to create Web documents, not transport them, thus the ".html" file name extension can be appended to the end of a document name.</p>
<p>Correct HTML document structure requires which tag to be included in all HTML documents?</p> <p>A. <PRE> B. <BODY> C.
 D. <Hi></p>		<p>B. <BODY></p> <p>HTML documents must include a set of structure tags, which includes the <BODY> tag. The other listed tags are optional formatting tags to be used at the discretion of the developer.</p>
<p>Which of the following Internet resources is used to translate IP addresses into recognizable names?</p> <p>A. Post Office Protocol B. Telnet C. Domain Name System D. File Transfer Protocol</p>		<p>C. Domain Name System</p> <p>The Domain Name System maps unique hierarchical names to specific IP addresses. Telnet and File Transfer Protocol are Internet applications. Post Office Protocol is a protocol used by e-mail.</p>
<p>Tomas wants to assign a specific color to all hyperlinks that have been visited by the user on a certain HTML document. Which HTML attribute must he modify to create this effect?</p> <p>A. VLINK B. LINK C. TEXT D. BGCOLOR</p>		<p>A. VLJNK</p> <p>The <BODY> tag uses several attributes to define the colors of certain page elements. Visited link color can be defined using the VLINK attribute.</p>
<p>Which of the following accurately represents an existing relationship?</p> <p>A. ActiveX and Sun Microsystems B. JavaScript and Microsoft C. VBScript and Netscape D. Java and Sun Microsystems</p>		<p>D. Java and Sun Microsystems</p> <p>Java is an object-oriented programming language developed by Sun Microsystems.</p>
<p>The major browsers allow you to configure your browser cache to optimize your computer's performance. Which settings can you configure for your browser cache? (Select all that apply.)</p> <p>A. Automatically empty the browser cache B. Turn off browser caching option C. Limit the disk space used for cached files D. See an alert box each time a browser file is cached</p>		<p>A. Automatically empty the browser cache C. Limit the disk space used for cached files</p> <p>You can configure your browser cache to automatically delete files at specified intervals or when the cache reaches a specified capacity. You can also limit the size of the browser cache so it cannot occupy too much hard disk space.</p>
<p>Bart wants to allow visitors to view his Web page and run a video that displays his company's products and runs a login script. Which permissions should he enable on his Web page?</p> <p>A. Execute and view B. Read and execute C. Execute D. Read and write</p>		<p>B. Read and execute</p> <p>Most Web servers can restrict files, folders and directories by establishing permissions. Permissions include the ability to read a file (read permission), create or delete a file (write permission), execute programs (execute permission), or deny</p>

Question	Fold	Answer
<p>The <META> tag can be used to: (select all that apply)</p> <p>A. prevent early-version browsers from viewing a Web site.</p> <p>B. identify the author of a Web page.</p> <p>C. provide a description of the Web page for use with a search engine.</p> <p>D. extend the <Hi> tag to accept properties, methods and events.</p>		<p>access (no access).</p> <p>B. identify the author of a Web page.</p> <p>C. provide a description of the Web page for use with a search engine.</p> <p>The cMETA> tag is a special HTML tag that can provide additional information about a Web page, such as its author, its expiration date, or a description of its contents. It can also be configured to enhance a site's search-engine positioning by providing keywords.</p>
<p>For which of the following Internet services can a Web browser act as the client? Select two of the following.</p> <p>A. E-mail</p> <p>B. FTP</p> <p>C. Gopher</p> <p>D. Newsgroups</p>		<p>B. FTP</p> <p>C. Gopher</p> <p>In addition to requesting and rendering Web pages, a Web browser can act as the client for FTP and Gopher services. Users can identify the service or protocol as well as its location with a Uniform Resource Locator (URL). When entered in a browser, e-mail and newsgroup URLs will launch the respective e-mail or newsgroup client on the system, but the browser itself cannot send or receive e-mail, or post newsgroup messages.</p>
<p>Which of the following examples of text-level formatting tags displays correct HTML syntax?</p> <p>A. <SMALL><I>THANK YOU FOR VISITING OUR SITE.</SMALL></I></p> <p>B. <H1 ><I>THANK YOU FOR VISITING OUR SITE.</I><H1></p> <p>C. <I>THANK YOU FOR VISITING OUR SITE.</I></p> <p>D. <I><H6>THANK YOU FOR VISITING OUR SITE</I></H6></p>		<p>C. <I>THANK YOU FOR VISITING OUR SITE.</I></p> <p>When nesting text-level elements, each element's corresponding closing tag must be present and include the forward slash, and the tags should be closed in the reverse order that they were opened.</p>
<p>What information is typically required to log on to a secure Web server or network?</p> <p>A. Password</p> <p>B. Digital certificate</p> <p>C. User name and password</p> <p>D. Public or private key</p>		<p>C. User name and password</p> <p>The traditional method of restricting access to server resources is based on a database of "permitted users." Permitted users are entered in an access control list, and each must supply his or her user name and password to access particular server information.</p>
<p>The current version of HTML ratified by the W3C is HTML 4.0, which includes three variants or "flavors" of the specification. Which of the following choices lists the three flavors of the HTML 4.0 standard?</p> <p>A. Transitional, Strict, and Frameset</p> <p>B. Recommended, Dynamic, and Cascading</p> <p>C. DHTML, CSS, and XML</p> <p>D. Linked, Embedded, and Inline</p>		<p>A. Transitional, Strict, and Frameset</p> <p>The HTML 4.0 Recommendation specifies three variants or "flavors": HTML 4.0 Transitional, HTML 4.0 Strict, and HTML 4.0 Frameset. These flavors ensure that you can use the latest specification, yet remain backward compatible with older Web browsers,</p>
<p>Andreas is evaluating network categories for his company of six employees. One of his main concerns is cost. Which of the following would tend to be the least expensive to implement?</p> <p>A. Mainframe</p> <p>B. Client/Server</p> <p>C. Three tier Client/Server</p> <p>D. Peer-to-peer network</p>		<p>D. Peer-to-peer network</p> <p>Peer-to-peer networks can be created without using a dedicated server, and they need little administration, making them relatively inexpensive to implement.</p>
<p>Which of the following groups of elements can be specified by a Uniform Resource Locator (URL)?</p> <p>A. Domain name, folder name, and file name</p> <p>B. Domain name, file name, and keywords</p> <p>C. Access protocol, folder name, and file author</p> <p>D. Folder name, file name, and file size</p>		<p>A. Domain name, folder name, and file name</p> <p>A URL identifies the access protocol and the domain name for an Internet resource. It can also specify a directory or folder, as well as a specific file. File names generally use a file name extension (such as ".htm") to instruct the browser how to display the page.</p>

Question	Fold	Answer
<p>On which network model is the World Wide Web based?</p> <p>A. Two tier B. Three tier C. Middleware D. Client/server</p>		<p>D. Client/server</p> <p>The World Wide Web is based on the client/server model. Clients using Web browsers request HTML documents from dedicated hosts known as Web servers. Servers are configured to respond to client requests.</p>
<p>Which IP address can be used for testing and troubleshooting, and is also called the loopback address?</p> <p>A. 132.65.18.91 B. 127.0.0.1 C. 192.23.111.8 D. 10.1.12.251</p>		<p>B. 127.0.0.1</p> <p>The loopback address 127.0.0.1 cannot be used as a valid host IP address. It is used only for IP troubleshooting, and allows a client and a server on the same host to communicate with one another.</p>
<p>Which of the following is a valid example of push technology?</p> <p>A. Television broadcasting B. Downloading a virus signature update C. Visiting a Web page on the World Wide Web D. A netcasting application</p>		<p>D. A netcasting application</p> <p>Applications that provide services called netcasting or narrowcasting are examples of push technology, which sends information to an Internet or narrow audience. Push technology sends data to users without an explicit request. Unlike television broadcasting, push technology sends only information for which the user has expressed interest. Accessing a Web page on the World Wide Web is an example of pull technology because users must request a site or document for it to be sent.</p>
<p>Because security integration within browsers is constantly changing, you should try to use a recent version of a browser. If you are using an older browser version, what steps can you take to fix security problems and help ensure yourself a safer Web experience?</p> <p>A. Switch to a different older-version browser B. Send the vendor e-mail messages detailing any security problems you experience C. Download patches or updates from the vendor's Web site D. Download patches or updates from the browser's cache file</p>		<p>C. Download patches or updates from the vendors Web site</p> <p>You can download patches and fixes from the browser vendors Web site. These patches address known security problems and bugs that exist within a particular browser version. In this way, you can upgrade the security and performance of an older browser, although it is preferable to switch to a newer version of the browser software.</p>
<p>Dominguez has configured his primary and secondary DNS servers with the domain name "companyXYZ.com". With which DNS hierarchy level must he register his domain name before users can contact him via the Internet?</p> <p>A. Root-level domain B. Second-level domain C. Top-level domain D. First-level domain</p>		<p>B. Second-level domain</p> <p>The second-level domain is one level below the top-level domain. Second-level domains include the businesses and institutions that register their domain names with the top-level domain (through their respective registrars).</p>
<p>Beni needs to enter a DNS record into his primary DNS server so he can deliver e-mail messages to his domain. Which record must he enter?</p> <p>A.NS B. SOA C.MX D.A</p>		<p>C.MX</p> <p>The Mail Exchanger (MX) record identifies a server used to process and deliver e-mail messages for the domain.</p>
<p>Firewalls are installed to: (select all that apply)</p> <p>A. restrict users from accessing portions of the Internet. B. prevent unauthorized access of information from Internet users. C. increase browser interpretation of HTML. D. provide public access to previously controlled information</p>		<p>A. restrict users from accessing portions of the internet. B. prevent unauthorized access of information from Internet users.</p> <p>A firewall is a combination of hardware and software that restricts access into and out of private networks.</p>
<p>Your Web site contains many images and you worry that it may take a long time for some users to download. Which is the best method for determining how quickly users can download your Web pages?</p> <p>A. Test your pages by accessing them through a dial-up connection.</p>		<p>A. Test your pages by accessing them through a dial-up connection.</p> <p>The best way to determine how quickly users can download your Web pages is to test them in a real world setting by accessing them through commonly used connections. Most</p>

Question	Fold	Answer
<p>B. Use an ISP that offers very high bandwidth so you are ensured of quick downloading speeds for all your users.</p> <p>C. Convert connection speed and file size to a common unit (bits), then divide file size by the connection speed for the resulting time (in seconds) that downloading will require.</p> <p>D. Test your pages by accessing them through your company's T3 connection.</p>		<p>users have dial-up connections rather than high-speed lines such as T3. You can calculate approximate download time if you know your file sizes, but this method ignores many factors such as actual modem operation rates and network overhead.</p>
<p>Cyrus wants to install software that will identify unsafe activity on his network and remove the unsafe activity. Which type of application performs this function?</p> <p>A. Risk analysis software</p> <p>B. Intrusion-detection software</p> <p>C. Logging software</p> <p>D. Auditing software</p>		<p>B. Intrusion-detection software</p> <p>Often called an intrusion-detection system (IDS), intrusion-detection software is configured to monitor traffic in real time, then shut down any activity deemed unsafe. The IDS usually contains a rules database, which it compares to network traffic.</p>
<p>The HTML <META> tag can be used to describe the contents of your Web page. This description appears in a search engine when your site is returned as a search result. Which of the following choices uses the correct <META> tag syntax to specify a description for a pet-sitting site?</p> <p>A. <META DESCRIPTION="We provide complete pet-sitting services."></p> <p>B. <META SEARCH=="contents" DESCRIPTION="We provide complete pet-sitting services."></p> <p>C. <META CONTENT="description"> We provide complete pet-sitting services. </META></p> <p>D. <META NAME="description" CONTENT="We provide complete pet-sitting services."></p>		<p>D. <META NAME="description" CONTENT="We provide complete pet-sitting services."></p> <p>The <META> tag NAME attribute takes the value "description", and the value of the CONTENT attribute specifies a short description or summary of your site's content. This description appears in a search engine when your site is returned as a result to a user's search query.</p>
<p>Sophia is annotating an HTML file by including comments. To hide comments in her HTML code, which syntax should she use?</p> <p>A. <comment text here></p> <p>B. <!--comment text here--></p> <p>C. <///comment text here</p> <p>D. (comment text here)</p>		<p>B. <!--comment text here--></p> <p>Annotations that are displayed only in a document's HTML source code are implemented using the comment tag in the following format <!--comment text here-->.</p>
<p>In what ways can you prove your identity on a network? (Select all that apply.)</p> <p>A. Where you are (non-repudiation)</p> <p>B. What you know (password)</p> <p>C. Who you know (association)</p> <p>D. Who you are (authentication)</p>		<p>B. What you know (password)</p> <p>D. Who you are (authentication)</p> <p>The network authentication process employs three methods: what you know, what you have, and who you are. Who you know and where you are do not provide proof in the authentication process.</p>
<p>Jason works for a large company with 500 client computers. Instead of manually assigning an IP address to each computer, which protocol can he use to quickly configure each computer from a central location?</p> <p>A. DHCP</p> <p>B. ARP</p> <p>C. DNS</p> <p>D. FTP</p>		<p>A. DHCP</p> <p>The Dynamic Host Configuration Protocol (DHCP) is designed to assign IP addresses to nodes on a TCP/IP network during initialization. It can also assign additional configuration data, such as subnet masks and default gateways.</p>
<p>Which of the following subnet masks is the default subnet mask for the IP address 188.0.0.25?</p> <p>A. 255.255.255.255</p> <p>B. 255.0.0.0</p> <p>C. 255.255.0.0</p> <p>D. 255.255.255.0</p>		<p>C. 255.255.0.0</p> <p>The IP address 188.0.0.25 is a class B address. Therefore, the default subnet mask is 255.255.0.0.</p>
<p>Which solution can increase the speed of Web site processing because the server is not overloaded with calculations for every client?</p> <p>A. Server-side scripting</p> <p>B. NSAPI</p> <p>C. CGI</p> <p>D. Client-side scripting</p>		<p>D. Client-side scripting</p> <p>When a user visits a Web site that has any active content, client-side scripts and/or programs the client performs the operations after they are downloaded locally, thereby distributing the work between the client and the server. This distribution ultimately increases the speed of Web server</p>

Question	Fold	Answer
		processing because the server does not have to run each operation.
<p>Which of the following elements is essential for a successful Web storefront?</p> <p>A. Cutting-edge graphics B. Banner ads C. Patented products D. Security</p>		<p>D. Security</p> <p>Essential to the success of any Web storefront is security, among other elements. The consumer must be confident that the online transaction is secure and that all personal data will remain private. Cutting-edge graphics, patented products, and banner ads are possible elements of a Web storefront, but they are not essential to its success.</p>
<p>A Web browser allows you to:</p> <p>A. navigate Web sites. B. edit Web pages. C. create HTML documents. D. post newsgroup messages.</p>		<p>A. navigate Web sites</p> <p>A Web browser allows users to navigate the Web and view Web site content. Browsers do not function as Web page editors or news clients.</p>
<p>Your Web site requires encrypted data traffic. You should consider using:</p> <p>A. TCP/IP. B. SSL. C. XML. D. VRML.</p>		<p>B. SSL</p> <p>SSL is an acronym for Secure Sockets Layer, a technology embedded in Web servers and browsers that encrypts data traffic during a secure transaction.</p>
<p>You want to give your Web site users the ability to view high-quality video. Bandwidth is not an issue. Which file format could you use?</p> <p>A. MPEG B. WAV C. VRML D. PDF</p>		<p>A. MPEG</p> <p>MPEG is an acronym for Moving Picture Experts Group, a high-quality video compression format. MPEG files require a high-bandwidth connection.</p>
<p>Which method allows a programmer to make requests of an operating system or application?</p> <p>A. BINHex B. API C. Perl D. CGI</p>		<p>B. API</p> <p>The application programming interface (API) is called out in a program and provides the link to an existing subroutine for execution. CGI, ISAPI and NSAPI are all examples of APIs.</p>
<p>Lucia needs to transfer a large number of files from his computer to another user's computer on the Internet. He knows the other user will retrieve these files sometime the next day, but he does not know exactly when. Which of the following protocols is Lucio's best choice for transferring these files?</p> <p>A. Simple Mail Transfer Protocol B. Post Office Protocol C. File Transfer Protocol D. Hypertext Transfer Protocol</p>		<p>C. File Transfer Protocol</p> <p>File Transfer Protocol (FTP) offers the best solution because the recipient can retrieve the files from a remote FTP server at her convenience. Transferring a large number of files using SMTP (e-mail) might overload the recipient's mailbox or be difficult to download if she uses a slower connection. POP is not used to send files to other users, and HTTP is used for transferring Web pages</p>
<p>When you view a Web page, the images are downloaded to your computer. Where are they stored?</p> <p>A. Disk cache B. History folder C. Cookie folder D. Desktop</p>		<p>A. Disk cache</p> <p>Browsers store Web page images in an area known as the disk cache. The browser creates this special directory, and it allows the browser to load the images locally if the same page is requested again. The history folder provides quick access to previously downloaded pages by accessing the disk cache.</p>
<p>What does antivirus software do?</p> <p>A. It detects viruses by recognizing patterns called signature files. It then warns you not to open infected files, but it cannot provide virus cleanup for infected files. B. It fortifies computer systems over periods of time by repeated exposure to weak but similar viruses. Computers become immune to newer viruses and can resist damage. C. It provides barricades against identified viruses. The barricades are installed on entire LANs. D. It detects viruses by recognizing patterns called signature</p>		<p>D. It detects viruses by recognizing patterns called signature files. It then warns you not to open the infected files, or disinfects any files that are already infected if it is able to.</p> <p>Antivirus software uses a file of recognized virus patterns to detect viruses in a computer system's files. If a virus is detected, the antivirus software will either warn the user not to open the file (thus avoiding infection) or it will disinfect the</p>

Question	Fold	Answer
files. It then warns you not to open the infected files, or disinfects any files that are already infected if it is able to.		file if it is able to.
<p>How can a network administrator protect network servers from the latest Internet viruses?</p> <p>A. Reinstall antivirus software monthly. B. Download the latest signature file for the network’s antivirus software. C. Download and install the latest antivirus software. D. Never open executable e-mail attachments.</p>		<p>B. Download the latest signature file for the network’s antivirus software.</p> <p>Antivirus software uses signature files to recognize patterns that indicate viruses. Because new viruses are created so rapidly, manufacturers update these signature files frequently. Administrators should update these files on their systems (most virus software will download the latest file automatically). A virus-scanning program is only as effective as the signature file it uses.</p>
<p>Which of the following tags specifies that a line break is inserted wherever the tag occurs?</p> <p>A. <HR> B.
 C. <P> D. <PRE></p>		<p>B.
</p> <p>The
 tag is a text-level element used to define a single line break at its inserted position.</p>
<p>Jim is looking for a file on his Windows-based computer. The file is actually a compressed archive that includes several word-processing files. He knows that the file is named “version,” but he does not know the file name extension. Which of the following fdes most likely contains the information Jim is seeking?</p> <p>A. version.doc B. version.pdf C. version.zip D. version.txt</p>		<p>C. version.zip</p> <p>The file name version.zip refers to a file that has been compressed or archived using PKZIP or WinZIP, which are commonly used file-compression utilities. The file name version.pdf refers to an Adobe Acrobat file. Version.txt and version.doc refer to uncompressed documents.</p>
<p>Which of the following is a valid URL for accessing an FTP site?</p> <p>A. ftp://www.sanskrit.com:25 B. http://ftp.sanskrit.org C. ftp://ftp.sanskrit.com D. http://sanskrit.ftp</p>		<p>C. ftp://ftp.sanskrit.com</p> <p>FTP sites are accessed using File Transfer Protocol (FTP), therefore FTP site URLs must begin by stating the access protocol “ftp://”.</p>
<p>The next-to-last stage of the project management cycle involves inspecting and testing the product. If the product does not comply with the plan, it must be re-evaluated, modified, and possibly redesigned. If your company is launching a Web site, this stage includes pre-launch testing. Which of the following steps should this process include?</p> <p>A. Test the site for scope creep B. View the site using various operating systems C. Release the live site and request feedback from users D. Test the site using various browsers</p>		<p>D. Test the site using various browsers</p> <p>Pre-launch functionality testing must occur before the site is released live, and should include testing with various browsers, testing with various connection speeds, testing heavy traffic, testing hot links, and testing for site failure or corruption.</p>
<p>Maja is building a Web site for a client. The client wants a text message to appear while the image “myimage.gif” is downloading to the visitor’s browser. Which HTML syntax will produce this result?</p> <p>A. B. < IMG SRC=”myimage.gif” NAME=”Company Logo”> C. < IMG SRC=”myimage.gif” INPUT TYPE=”Company Logo”> D. < IMG SRC=”myimage.gif” ALT=”Company Logo”></p>		<p>D. </p> <p>The ALT attribute designates alternate text to appear while the graphic is loading.</p>
<p>Consider the three-tier client/server-computing model. Which of the following components could represent the first tier?</p> <p>A. The required Internet protocols B. The actual network C. A Web browser D. A mainframe computer</p>		<p>C. A Web browser</p> <p>In a three-tier client/server computing model, the first tier is responsible only for rendering information into a suitable user interface. A Web browser is an example of a first-tier component.</p>
<p>HTML uses pieces of code, enclosed in angle brackets, to instruct the HTML interpreter how to render the page. What are</p>		<p>D. Tags</p>

Question	Fold	Answer
<p>these pieces of code called?</p> <p>A. Script B. Code snippets C. Wickets D. Tags</p>		<p>HTML files are “marked up” with special language elements called tags, which are pieces of text enclosed in angle brackets (or “wickets”) that provide display instructions to the browser</p>
<p>Which protocol is used to transfer Web pages from a Web server to a Web browser?</p> <p>A. Hypertext Transfer Protocol B. File Transfer Protocol C. Post Office Protocol D. Network News Transfer Protocol</p>		<p>A. Hypertext Transfer Protocol Hypertext Transfer Protocol (HTTP) is used to transfer HTML documents across the Web using a Web browser and a Web server. FTP, POP and NNTP are used by other Internet applications, but not specifically for transferring Web pages.</p>
<p>What is the name for a network system in which programs run on many desktops at once and share tasks with a server program that runs on a single central computer?</p> <p>A. File Server system B. Mainframe C. Extranet D. Client/server system</p>		<p>D. Client/server system A client/server system is a distributed networking system in which computing tasks are divided between the server and its clients. The server is central to the system and provides support to clients; client programs conserve bandwidth by processing information locally before sending it out over the network. Many businesses use a client/server system, and the Internet itself is one.</p>
<p>Which of the following popular plug-ins combined audio and video formats into one application, and was developed by the company that pioneered the streaming media format in 1995?</p> <p>A. Apple QuickTime B. Windows Media Player C. RealNetworks RealPlayer D. Macromedia Shockwave player</p>		<p>C. RealNetworks RealPlayer The company RealNetworks introduced the streaming media format in 1995 with its RealAudio plug-in application. It followed with the RealVideo plug-in, which applied the streaming format originally used on audio files to video files. The RealPlayer plug-in combines audio and video formats into one application.</p>
<p>Which of the following statements most accurately describes newsgroups on the Internet?</p> <p>A. Newsgroups always offer official articles about current events. B. Newsgroup articles usually appear long after a message is posted. C. One person moderates each newsgroup. D. Newsgroups are voluntary.</p>		<p>D. Newsgroups are voluntary. Newsgroups are created and used on a voluntary basis, are mostly informal, and are often unmoderated. Newsgroup messages usually appear on a newsgroup within minutes of posting. Many newsgroups offer articles about current events, but not all groups share this focus.</p>
<p>Direct connections provide continuous access to the Internet. Many bandwidth options are associated with direct connections. Which of the following technologies can transmit data over a network connection at speeds up to 1.544 Mbps?</p> <p>A. T1 B. Cable modem C. DSL D. E1</p>		<p>A.T1 A T1 line is a high-speed direct Internet connection technology that can transmit data across a network at rates up to 1.544 Mbps (megabits per second). T1 lines are commonly used by North American corporate LANs to connect to ISPs,</p>
<p>Which of the following choices demonstrates the correct syntax for a URL that opens an e-mail client from a browser?</p> <p>A. mailto: boss@xyz.com B. email://boss@xyz.com C. http://email.boss@xyz.com D. http://mai Ito: boss.xyz.com</p>		<p>A. mailto:boss@xyz.com An e-mail URL begins with the access protocol “mailto:” and does not include the double forward slashes like most other URL prefixes. The “mailto:” command instructs the browser to open the e-mail program (if one is integrated with that browser).</p>
<p>Karen receives an e-mail attachment from a co-worker. She double-clicks the file. However, her computer cannot open the file because it cannot associate the file with a program. What identifies the contents of the e-mail attachment?</p> <p>A. MIME type B. File name extension C. UUcoding D. File name</p>		<p>A. MIME type The MIME type identifies the contents of a file in the MIME encoding system using a type/subtype format. Examples are image/jpg and text/plain.</p>
<p>Raul wants to reduce network traffic and increase the speed of Web page access for all his network users. What type of server</p>		<p>D. Caching server</p>

Question	Fold	Answer
<p>should he install on his network?</p> <p>A. Web server B. Directory server C. Transaction server D. Caching server</p>		<p>A caching server is a dedicated server, or a service within a server, that speeds up data access by storing data retrieved by users (such as Web pages), then presenting it directly to users who later request the same data.</p>
<p>Inga's company is about to launch its c-commerce Web site. Inga is in charge of pre-launch testing. For what reason should Inga test various connection speeds during this process?</p> <p>A. To ensure that users who access the site through America Online will not be disconnected during a transaction B. To ensure that all users can download pages and content within a reasonable amount of time, regardless of their connection speed C. To ensure that the Web graphics will appear the same or acceptably positioned on pages, regardless of the user's connection speed D. To ensure that all users are able to access and maintain a connection to the site, regardless of their connection speed</p>		<p>B. To ensure that all users can download pages and content within a reasonable amount of time, regardless of their connection speed</p> <p>During pre-launch testing, the site should be tested using every connection speed available to users to ensure that every user, no matter what connection speed they use, will be able to download pages and content in a reasonable amount of time. The other factors mentioned should generally not be affected by connection speed.</p>
<p>Which command displays the IP configurations for a Windows 95 computer?</p> <p>A. winipcfg B. tracert C. ping D. ipconfig</p>		<p>A. winipcfg</p> <p>You can use the winipcfg command to determine your Windows 95 or 98 computer's IP configurations, including your network card's Ethernet address.</p>
<p>In what ways can cookies be useful for Web site developers?</p> <p>A. Cookies are dangerous and should never be used in Web design B. Developers have access to the site visitors hard drive files. C. Cookies inform the Web server about the visitors identity and preferences. D. Cookies are only available in version 4.x (and later) browsers.</p>		<p>C. Cookies inform the Web server about the visitor's identity and preferences.</p> <p>Cookies collect data about a specific user and deliver it to the originating server. The server can interact with this data and provide a customized experience for the user. Cookies are text files and have no executable abilities and are often encrypted. They cannot access a users hard drive, and they are not dangerous. Cookies are supported by many browser versions.</p>
<p>The anchor tag, <A>, is used to create a hyperlink in an HTML document. To create an anchor within a page (an internal bookmark), what must you add to the HREF attribute in the <A> tag?</p> <p>A. The NAME attribute B. The hash symbol (#) C. The c/A> tag D. The value "bookmark"</p>		<p>B. The hash symbol (#)</p> <p>The number symbol (#), called a hash, tells the browser to look for an anchor by the given name within the current document. Without this hash, the browser will look for an external file by the given name. The NAME attribute is used to designate the linked text, whereas HREF points to (references) the named link. A closing anchor tag is placed after -- not within -- the tag. The "bookmark" value does not exist.</p>
<p>What is the default subnet mask for the IP address 23.255.255.101?</p> <p>A. 255.0.0.0 B. 255.255.255.0 C. 255.255.0.0 D. 255.255.255.255</p>		<p>A. 255. 0. 0.0</p> <p>The IP address 23.255.255.101 is a class A address. Therefore, the default subnet mask is 255.0.0.0.</p>
<p>Because security integration within browsers is constantly changing, you should try to use a recent version of a browser. If you are using an older browser version, what steps can you take to fix security problems and help ensure you a safer Web experience?</p> <p>A. Send the vendor e-mail messages detailing any security problems you experience B. Download patches or updates from the browsers cache file C. Switch to a different older-version browser D. Download patches or updates from the vendors Web site</p>		<p>D. Download patches or updates from the vendor's Web site</p> <p>You can download patches and fixes from the browser vendors Web site. These patches address known security problems and bugs that exist within a particular browser version. In this way, you can upgrade the security and performance of an older browser, although it is preferable to switch to a newer version of the browser software.</p>
<p>Which file name extension do ISAPI and NSAPI files use?</p> <p>A. sapi B. .dll</p>		<p>B. .dll</p> <p>Because they are dynamic link libraries, ISAPI and NSAPI files use the .dll extension and are stored in folders specific to either</p>

Question	Fold	Answer
<p>C. .isa and .nsa, respectively D. .api</p>		<p>the operating system or the HTTP server.</p>
<p>Which of the following is an object-based scripting language used to create active content on a Web page? A. CGI B. C++ C. JavaScript D. Java</p>		<p>C. JavaScript JavaScript is an object-based scripting language. C++ and Java are programming languages. CGI is a generic term for a server gateway application that can be written using a scripting or programming language.</p>
<p>To support an Internet client, you must have six elements. The first three -- a computer, an operating system, and TCP/IP -- are generally acquired when you buy a computer. Which of the following choices lists the other three elements you need to support an Internet client? A. Network access, administrator permissions, and server software B. Internet connection, client software, and server software C. Server system, Internet connection, and network access D. Client software, Internet connection, and Internet addresses</p>		<p>0. Client software, Internet connection, and Internet addresses In addition to a computer, an operating system and TCP/IP, the three elements you must have to support an Internet client are client software (such as a Web browser or e-mail client program), Internet connection (such as a dial-up modem or a direct line to the ISP), and Internet addresses (Web site, e-mail or server addresses that you can use or access).</p>
<p>Bryant is working with a mainframe database. Each record in the hierarchical database contains physical links to other records. Which type of database is implemented on the mainframe? A. Non-relational database B. Object-oriented database C. Relational database D. Relational database management system</p>		<p>A. Non-relational database A non-relational database works with two database types: hierarchical and network. In a hierarchical DBMS database, one record contains physical links to another. Only one user can access such a database record at a time. Older mainframes use this type of database. A network DBMS database, similar to a hierarchical database, allows many users to access the record.</p>
<p>What is the default subnet mask for the IP address 23.255.255.101? A. 255.255.0.0 B. 255.255.255.255 C. 255.255.255.0 D. 255.0.0.0</p>		<p>D. 255.0.0.0 The IP address 23.255.255.101 is a class A address. Therefore, the default subnet mask is 255.0.0.0.</p>
<p>How many mail servers does the use of email involve and which protocol(s) are used with respect to the client? A. Two -- incoming mail is handled by one server using Post Office Protocol (POP), and outgoing mail is handled by another server using Simple Mail Transfer Protocol (SMTP). B. One — both incoming and outgoing mail are handled by one server using Simple Mail Transfer Protocol (SMTP). C. Two -- incoming mail is handled by one server using Simple Mail Transfer Protocol (SMTP), and outgoing mail is handled by another server using Post Office Protocol (POP). D. One -- both incoming and outgoing mail are handled by one server using Post Office Protocol (POP).</p>		<p>A. Two -- incoming mail is handled by one server using Post Office Protocol (POP), and outgoing mail is handled by another server using Simple Mail Transfer Protocol (SMTP). E-mail involves the use of two mail servers: an outgoing and an incoming. You send mail to others with an outgoing mail server using SMTP, and you receive mail from an incoming mail server using POP. Internet Messaging Access Protocol (IMAP) can also handle incoming mail, which is a more powerful version of POP.</p>
<p>Standards of polite behavior on the Internet, emphasizing common sense and cooperation, are called: A. spamming. B. netiquette. C. hacking. D. flaming</p>		<p>B. netiquette Netiquette encourages users to follow standard guidelines when communicating electronically. Flaming and spamming are abusive e-mail practices. Hacking describes a number of activities that compromise the security of a computer or network.</p>
<p>Which of the following network operating systems do NOT use TCP/IP as its default/core networking protocol? A. Windows 2000 B. NetWare 5 C. UNIX D. Windows 4.0 E. None of the above</p>		<p>E. None of the above Note: Prior to NetWare 5, Novell used SPX/IPX/NCP as its default protocol. It is still supported by NetWare 5, but TCP/IP has replaced it as its default protocol.</p>

Question	Fold	Answer
<p>Terry needs to lease a carrier system that will support data rates of 50 Mbps to her company LAN. Which 1-carrier and E-carrier systems will support this transmission rate?</p> <p>A. T4&E4 B. T1&E1 C. T3&E3 D. T2&E2</p>		<p>A. T4/E4</p> <p>North American T4 systems will support data transfer rates up to 274.176 Mbps. European E4 systems will support 139.264 Mbps. T3 and E3 systems do not support 50 Mbps.</p>
<p>What are the seven layers (in order) of the OS! Reference Model?</p> <p>1. 2. 3. 4. 5. 6. 7.</p>		<p>1. Physical 2. Data Link 3. Network 4. Transport 5. Session 6. Presentation 7. Application</p> <p>Here's a good way to remember the specific order: Please Do Not Throw Sausage Pizza Away :-)</p>
<p>The suite of protocols that allow communication over the Internet is</p> <p>A. FTP B. TCP/IP C. Archie D. Gopher</p>		<p>B. TCP/IP</p> <p>TCP/IP is a suite of communication protocols that are used by higher-level application protocols, such as FTP, to access the Internet.</p>
<p>Which of the following network topologies uses a device called a MAU in its configuration?</p> <p>A. Ring B. Bus C. Star D. Hybrid</p>		<p>A. Ring</p> <p>The MAU (Multiple Access Unit) is the central connection point for ring networks.</p>
<p>Which of the following network topologies uses a device called a terminator in its configuration?</p> <p>A. Mesh B. Bus C. Ring D. Star</p>		<p>B. Bus</p> <p>A terminator is required at each end of a bus network to ensure that network traffic (the signal) does not echo back through the network.</p>
<p>Kurt is responsible for maintaining a star-configured network. He needs to replace the device that provides a concentration point and connects the computers on this network. What is this device called?</p> <p>A. Network interface card B. Hub C. Bridge D. Router</p>		<p>B. Hub</p> <p>A hub is a network device that acts as a central concentration point, interconnecting several nodes on a star network.</p>
<p>Which of the following network topologies would be least affected if one computer fails?</p> <p>A. Bus B. Ring C. Star</p>		<p>C. Star</p> <p>This is one of the benefits of the star topology. However, if the hub fails, then you're screwed. ☹</p>

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