Exam : 1D0-510

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QUESTION 1:

What is the purpose of the traceroute command?

A. It displays the IP address information for a NIC.
B. It displays the ports that are active on a system.
C. It displays and manually configures the routes in a routing table.
D. It determines the path between a source system and destination system.

Answer: D

QUESTION 2:

The XHTML 1.0 Recommendation describes three variations or "flavors." Which of the following best describes the XHTML 1.0 transitional and its requirements?

A. Developers must use Cascading Style Sheets (CSS) for all formatting.
B. Developers can use any markup tags that we supported in HTML Recommendations 1.0 or later.
C. Developers can use either Cascading Style Sheet (CSS) or HTML 4.0-compilant markup tags for all formatting.
D. Developers must use Cascading Style Sheets (CSS) for all formatting and use frames with XHTML 1.0-compliant markup tags.

Answer: C

QUESTION 3:

Which choice lists the three basic elements that are required by all networks?

A. Network services, clients, and servers.
B. Clients, servers, and transmission media.
C. Protocols, transmission media, and network services.
D. Shared resources, hosts, and transmission protocols.

Answer: C

QUESTION 4:

Which type of malware resides in active memory, consumes system resources and self-replicate?

A. Virus.
B. Worm.
C. Illicit server.
D. Trojan horse.

Answer: B

QUESTION 5:

Your company has decided to use a freelance artist's digital photos to enhance the company Web site. Which process should your company follow?

A. License the artist's copyrighted photos.
B. Use the artist's photos until the artist protests.
C. Buy the infringement rights to the artist's photos.
D. Trademark the photos and register the artist as the copyright owner.

Answer: A

QUESTION 6:

Which of the following is absolutely necessary in order to connect to the Internet?

A. A VPN.
B. TCP/IP.
C. A network cable.
D. A static IP address.

Answer: B

QUESTION 7:

You are creating a user-input form for a Web page on your company's site. You want this Web form to send information from the user's browser to your server as securely as possible which <form> tag attribute and value should you use?

A. action="get".
B. action="post".
C. method="get"
D. method="post".

Answer: D

QUESTION 8:

Which term describes the activity of a hacker who travels through a neighbourhood or business district trying to discover unsecured wireless networks?

A. War driving.
B. Man in the middle.

C. System snooping.
D. Connect hijacking.

Answer: A

QUESTION 9:

Which common peripheral connection port can support up to 127 peripherals, and support speeds of up to 480 Kbps?

A. USB 1.0.
B. USB 2.0.
C. FireWire.
D. Game Port.

Answer: B

QUESTION 10:

Which connection medium operates at a maximum speed of 44.736 Mbps?

A. T1.
B. T3
C. DSL
D. ISDN

Answer: B

QUESTION 11:

Which IP address class uses 8 bits for the network partition of the address and 24 bits for the host portion of the address?

A. Class A
B. Class B
C. Class C
D. Class D

Answer: A

QUESTION 12:

Which device contains a transceiver, is responsible for transmitting and receiving only digital network signals, and can be attached to a workstation via various methods, including Universal Serial Bus (USB) and Peripheral Component Interconnect (PCI)?

A. A hub.
B. A modem.
C. A network Interface Card (NIC).
D. A wireless Access Point (WAP).

Answer: C

QUESTION 13:

You are using a GUI HTML editor. You have decided to use this editor to publish the pages you create. Which choice lists the elements required to upload your files?

A. A private key, a page name, and a user name.
B. A destination directory, a host name, and a private key.
C. A user name, a host name, a private key, and a destination directory.
D. A user name and password, a host name, and a destination directory.

Answer: D

QUESTION 14:

Which scenario describes a back-end issue that you must consider when developing a Web site?

A. Your Web site is easy for users to navigate because it uses familiar conventions and contains no dead ends.
B. Your site uses the most current design trends available, to present exiting content considered fashionable by your target audience.
C. Your home page presents a lot of small text explaining your company in detail, but no images and no colors other than black and white.
D. Your Web site contains a lot of images so it is visually exciting but it takes a long time to download each page, even with high-speed connections.

Answer: D

QUESTION 15:

The human Resources department needs to provide a variety of policy information to the company employees. Member of HR will configure and manage their own Web server in-house. This server will use Linux and Apache Server, and it will be part of the company intranet. Which of the following costs must be considered?

A. The cost of implementing a firewall.
B. The cost of licensing Apache server
C. The cost of a person to configure server hardware and software.
D. The cost of customer support from an Application Server Provider (ASP).

Answer: C

QUESTION 16:

You are developing some new pages for your company's Web site, and you are ready to post the pages to the site. You will upload your files to a remote Web server using a command-line FTP client. To upload the files, which command will your FTP client program use?

A. Is.
B. Put.
C. Get.
D. Post

Answer: B

QUESTION 17:

Which fact must network administrators consider when implementing encryption policies for company data that will be sent internationally?

A. Some countries do not allow large keys to be use.
B. Some countries do not allow smaller encryption keys to be exported.
C. The largest available encryption key should be used to ensure privacy.
D. Larger encryption keys work much faster than smaller, less efficient keys.

Answer: A

QUESTION 18:

A company with a business-to-consumer Web site uses a service to securely transmit its costumer's credit card information to the company's merchant bank. Which technology performs this function?

A. Payment gateway.
B. Merchant authentication.
C. Secure Sockets Layer (SSL).
D. Open Trading Protocol (OTP).

Answer: A

QUESTION 19:

Which hardware device operates at the network layer of the OSI reference model?

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

Answer: C

QUESTION 20:

Which of the following would you expect to occur during a Web site planning meeting?

A. Determining sales projections with the sales team.
B. Explaining branding issues to the Web development team.
C. Training the marketing team to obtain demographic information.
D. Explaining the purpose of XHTML DTD to the Web development team.

Answer: B

QUESTION 21:

You have two computers, each with a different operating system. One is a Linux system, which uses the Gnu Public License (GPL). You can use this Linux software free of charge, and you can make changes to code that created the operating system. The other system is a Windows system. Which of the following describes a typical commercial software license?

A. It describes the right to use the software on a single computer.
B. It describes the steps you must first perform to install the system.
C. It allows you to use the software, but does not imply any penalties if you violate the license.
D. It allows you to make changes to the operating system code, but only if you agree not to redistribute the code.

Answer: A

QUESTION 22:

You received the following file attachment in e-mail messages from unknown sources. Which is the most likely to contain s computer virus?

A. File.avi
B. File.pdf
C. File.exe
D. File.wav

Answer: C

QUESTION 23:

Which of the following is a protocol and command interface that can be use to gain secure access to a remote computer and then execute commands to administer the system?

A. SSL.
B. SSH.
C. FTPS.
D. HTTPS.

Answer: B

QUESTION 24:

Chris works on the Web team for his company. He updates the company Web site at the IP address 12.42.192.73. on Chris's business cards, he uses the URL www.CIWcertefied.com instead of the IP address for the company site. Which technology allows both URL and the IP address to refer to the same Web site?

A. Network Access Point (NAP.
B. Domain Name Server (DNS).
C. Internet Service Provider (ISP).
D. Uniform Resource Identifier (URI).

Answer: B

QUESTION 25:

Your manager has asked you about the essential difference between worms and viruses. Which of the following is true?

A. A virus is self-replicating, whereas a worm requires some sort of user action.
B. A worm is self-replicating, whereas a worm requires some sort of user action.
C. A virus can work only on windows systems, whereas a worm can work on any common platform (e g, Macintosh, UNIX, Windows).
D. A worm can work only on windows systems, whereas a worm can work on any common platform (e g, Macintosh, UNIX, Windows).

Answer: B

QUESTION 26:

Which choice lists the entities most often used to spread viruses?

A. End users and database servers.
B. Computer files and DHCP servers.
C. Removable disks and e-mail servers.
D. Weak passwords and directory servers.

Answer: C

QUESTION 27:

Mike wants to transfer an update file from one system to another. Currently, these two systems can not communicate with each other via the standard network. Which type of cable can he use to quickly transfer a file from one computer to the other without a hub or switch?

A. Crossover cable.
B. Category 1 cable.
C. Standard Ethernet cable.
D. Standard telephone cable.

Answer: A

QUESTION 28:

Which practice will help ensure that you are using company systems and resources appropriate?

A. Use your work computer to store personal data.
B. Use your home computer to send personal e-mail messages.
C. Assume that only intended recipients will read your e-mail messages.
D. Install personal gaming software on corporate servers for after-hour use.

Answer: B

QUESTION 29:

Perl, .net and PHP are all examples of.

A. Database technologies.
B. Client-side scripting technologies.
C. Server-side scripting technologies.
D. Application programming interfaces.

Answer: C

QUESTION 30:

Chris and his Web development team are beginning a Web site project. What is the first step in this project?

A. Create a site map.
B. Submit the site URL to search engines.
C. Develop markup code and test functionally.
D. Document the site's purpose and intended audience.

Answer: D

QUESTION 31:

James create an XHTML table to show his schedule for each week of the month. He organized the table in a standard calendar format, so that each day from Sunday to Saturday is the header for a vertical column, and each week of days is displayed horizontally as a row. Each scheduled activity appears in the table cell appropriate for the day it occurs. James wants to merge two table cells into one cell to show the IT Business Conference that he will attend from Tuesday to Wednesday in the third week. Which tag should James use for this merged cell?

A. <td colspan=?? IT Business Conference </td>
B. <td rowspan=?? IT Business Conference </td>
C. <th rowspan=?? IT Business Conference </th>
D. <table colspan=?? IT Business Conference </table>

Answer: A

QUESTION 32:

When creating its Web presence, a business should choose its domain name carefully so that users will be able to recall it easily. Every domain name is unique. With which of the following must each domain name be registered?

A. DNS.
B. W3C.
C. FQDN.
D. ICANN

Answer: D

QUESTION 33:

Which of the following is a primary responsibility of all firewalls?

A. Controlling traffic.
B. Providing DNS services.
C. Maintaining a routing information table.
D. Providing asymmetric-key encryption services.

Answer: A

QUESTION 34:

Your wireless client cannot property communicate with a wireless access point (WAP). Which of the following might need to be changed?

A. The location of the router.
B. The Service Set Identifier (SSID).
C. The wireless client's MAC address.
D. The Basic Service Set Identifier (BSSID).

Answer: B

QUESTION 35:

What is Intranet?

A. A searchable internal repository that stores an organization's proprietary documents.
B. A worldwide network available to anyone who has a TCP/IP connection on a computer.
C. A TCP/IP-based network accessible only by an organization's members and employees.
D. A TCP/IP-based network accessible only by an organization's internal employees and select external clients.

Answer: C

QUESTION 36:

Which of the following accurately describes a difference between GIF images and JPEG images?

A. GIF images support the transparency technique, whereas JPEG images do not.
B. GIF images support millions of colors, whereas JPEG images support only 256 colors.
C. JPEG images use vector graphics, whereas GIF images use bitmap pr raster graphics.
D. JPEG images support interlacing and animation techniques, whereas GIF images do no.

Answer: A

QUESTION 37:

Lars has difficulty when he tries to access some Web pages. He suspects that his browser has problem or a bug. Which of the following should he consider downloading?

A. A patch.
B. A firewall.
C. A pop-up blocker.
D. An anti-virus program.

Answer: A

QUESTION 38:

Maria has filled all the memory space on her hard drive. She plans to obtain a larger hard drive in a month, but she need some hard drive space now finish a project. What can she do to free up some hard drive space?

A. Run chkdisk.
B. Compress the kernel.
C. Delete temporary files.
D. Remove the secondary partition.

Answer: C

QUESTION 39:

Maria wants to use Cascading Style Sheets (CSS) to apply formatting styles to her Web pages. In her style sheet, she sets the page's background color to blue and the font to Arial. Which style rule is correct in an external style sheet?

A. body (bgcolor: blue; font-type: arial).
B. style=body (background: blue; font: arial).
C. body (background: blue; font-family: arial).
D. <style= body (bgcolor: blue; font-family: arial)>.

Answer: C

QUESTION 40:

You are using a GUI HTML editor to create Web pages for your site. What should you do to ensure that the pages render in the browser as expected?

A. Use tables.
B. Use a code validator.
C. View the source code.
D. Insert images only when necessary.

Answer: B

QUESTION 41:

Luis uses JavaScript code in his Web site's home page. The script notifies Microsoft Internet Explorer 5.0 users of a possible usability problem. What does this script do?

A. Creates a cookie and redirects users to another pages
B. Creates a variable and redirects users to another pages
C. Performs server-side browser detection and creates a pop-up window alert.
D. Performs client-side browser detection and creates a pop-up window alert.

Answer: D

QUESTION 42:

Which technology could you use to add a pop-up dialog box to your Web site's home pages?

A. JavaScript.
B. Image map.
C. Document Object Model (DOM).
D. Extensible Markup Language (XML).

Answer: A

QUESTION 43:

Which of the following is produced as the critical first step in the initiating phase of a project?

A. Project triangle.
B. Needs analysis.
C. Project schedule.
D. Statement of work.

Answer: B

QUESTION 44:

Which of the following is the most popular protocol that provides authentication and encryption for secure exchanges over the Internet?

A. Secure Sockets Layer (SSL).
B. Public Key Infrastructure (PKI).
C. Electronic Data Interchange (EDI).
D. Secure Electronic Transactions (SET).

Answer: A

QUESTION 45:

Which of the following best describes the functionality of Extensible Markup Language (XML)?

A. XML creates content validation in Web documents.
B. XML creates a language to define context in Web documents.
C. XML creates static Web documents and describes visual layout.
D. XML creates dynamic Web documents with database connectivity.

Answer: B

QUESTION 46:

Which protocol is most likely to be used when sending e-mail using the Microsoft Outlook Express client?

A. IMAP
B. HTTP
C. SMTP
D. POP3

Answer: C

QUESTION 47:

Which TCP/IP configuration determines whether a destination address is local or remote?

A. DNS
B. IP address
C. Subnet mask
D. Default gateway

Answer: C

QUESTION 48:

When you use an analog phone line and modem initially connect to the Internet, which protocol are you using?

A. Point-to-Point Protocol (PPP).
B. Hypertext Transfer Protocol (HTTP).
C. Network news Transfer Protocol (NNTP).
D. Integrated Services Digital Network (ISDN).

Answer: A

QUESTION 49:

Because the Internet has experience tremendous growth, a new protocol has been developed to accommodate Internet address shortages. What is the name of this improved protocol?

A. IPv6.
B. IPv2.
C. HTTPS
D. TCP/IPv2

Answer: A

QUESTION 50:

Which protocol is used to receive e-mail on an incoming server, and allows you to browse and manage e-mail messages while they reside on the server, rather than downloading messages before reading them?

A. Post Office Protocol (POP3).
B. Simple Mail Transfer Protocol (SMTP).
C. Internet Message Access Protocol (IMAP4).
D. Transmission Control Protocol/Internet Protocol (TCP/IP).

Answer: C

QUESTION 51:

Maria and her team are beginning to redesign a corporate Web site. The company owners want to keep the site's navigation icons at the top of each page, and enable linked pages to appear in another section of the same browser window. Which XHTML technique does Maria suggest?

A. Pop-up JavaScript windows.
B. Frameset layout with upper and lower frames.
C. List elements <ll> enclosed by <ol> container tags.
D. Navigation icons in the top row of a table page structure.

Answer: B

QUESTION 52:

Lisa is evaluating the design of a new site that her Web team is developing. Which of the following is a Web design concept that she should recommend as she evaluates this site?

A. The site's visual is more important than validation of the site's code.
B. A page's text content needs to be relevant to topic, but the images do not.
C. Each page should have a coherent message and use common, easy-to-read fonts.
D. The site should include a large variety of images and color combinations to enhance its appearance.

Answer: C

QUESTION 53:

What is the purpose of the <!DOCTYPE> statement in an XHTML document?

A. To enable pages to be automatically redirected.
B. To ensure strict compliance with CSS standards.
C. To specify the version of XHTML used in the document.
D. To indicate the XHTML code has been properly validated.

Answer: C

QUESTION 54:

What is a cookie?

A. An image file that expands to fit a browser's cache.
B. A virus placed on a computer by spyware to delete directories.
C. A file created by the browser each time its user accesses a Web site.
D. A text file placed on a client by a Web server to track user preferences.

Answer: D

QUESTION 55:

Lo-An created her Web site using XHTML frames. She adds an inline frame into one of her existing frames. Which of the following will result?

A. A page that will validate to XHTML 1.0 Strict standards.
B. A page that will fail validation because it is not user-friendly.
C. A floating frame that allows a separate document to be inserted in the page.
D. A new borderless frame that appears in a separate pop-up browser window.

Answer: C

QUESTION 56:

Derek is creating an image map named "cityscape" In his XHTML code. What must he use as the usemap attribute value?

A. Cityscape.
B. "cityscape".
C. "#cityscape".
D. cityscape.gif.

Answer: C

QUESTION 57:

Which term describes the permission agreement that determines the way a vendor's software may be used?

A. License.
B. Protocol.
C. Copyright.

D. Trademark.

Answer: C

QUESTION 58:

The ICANN assigns your company the network address 206.57.26.0. What is the default subnet mask for this network?

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

Answer: C

QUESTION 59:

Angel is a member of the Web development team. She is responsible for developing the overall plan of the Web site. What is Angel's job role?

A. Web analyst.
B. Web designer.
C. Web architect.
D. Web manager.

Answer: C

QUESTION 60:

What is the purpose of the link attribute when used in the HTML <body> tag?

A. It determines the color of visited link on a Web page.
B. It specifies the style sheet used to format a Web page.
C. It determines the color of unvisited link on a Web page.
D. It designates text that will act a hyperlink on a Web page.

Answer: C

QUESTION 61:

Which markup language describes document content instead of adding structure or formatting to document content?

A. XLM.
B. WML.

C. HTML.
D. XHTML.

Answer: A

QUESTION 62:

Which port does a Domain Name System /DNS) server use to listen for client queries?

A. TCP port 25.
B. TCP port 80.
C. UDP port 21.
D. UDP port 53.

Answer: D

QUESTION 63:

According to "netiquette" guidelines for effective appropriate business communications, which practice should you avoid in your e-mail messages?

A. Attaching documents.
B. Using spelling checker.
C. Typing in all capital letters.
D. Including digital signatures.

Answer: C

QUESTION 64:

You want to find information about Java. You visit a popular search engine and manually search through a directory tree of topics until you find a directory titled "computers" and a subdirectory titled "programming Languages". You select the topic "Java" and look through a list of indexed pages on that topic, then choose one page with which to begin your research. Which type of search index did you use?

A. Static index.
B. Full-text index.
C. Boolean index.
D. Keyword index.

Answer: A

QUESTION 65:

You are help desk technician. An end user is experiencing a technical problem and does not know enough about the problem to describe it clearly. What should you do?

A. Review the user's product manual with him to help him understand the technical issues.
B. Inform the user the he needs to bring the system t you so you can assesses the technical situation yourself.
C. Explain to the user that until he can accurately describe the problem, you are unable to troubleshoot the system.
D. Request additional specific information from the user so you can troubleshoot the problem and provide an appropriate solution.

Answer: D

QUESTION 66:

Which term is used to describe the amount of information, sometimes called traffic, that can be carried on a network at one time?

A. Kilobit.
B. Packet.
C. Megabit.
D. Bandwidth.

Answer: D

QUESTION 67:

Susan is a freelance Web developer and needs to set up a home office. She currently has 10 costumers and transfers approximately 20 megabytes (MB) of data per day. Which is the most efficient Internet connection for Susan's needs?

A. T3 line.
B. Cable modem.
C. Ethernet cable.
D. Dial-up modem.

Answer: B

QUESTION 68:

As an IT professional, you must always consider the Return on Investment (ROI) impact that IT projects have your organization. You may be required to justify a project's benefits relative to its cost. What must you do t relate such information about IT projects to upper manager?

A. Explain decisions in purely technical terms to ensure that the issues are properly understood.
B. Make decisions without input from management so as not to confuse the managers or stakeholders.
C. Consult only managers who have technical experience so that the project benefits will be fully understood.
D. Put the information in terms that your manager can understand so that they can make informed decisions.

Answer: D

QUESTION 69:

A member of your Web team is gone on vacation. She made some changes to a Web page before leaving. You need information about the changes she made, but you cannot determine the changes without asking her. How can you resolve this problem in the future?

A. Require team members to validate new code when making changes.
B. Require team members to update the Web site map before vacations.
C. Require team members to document changes with comment tags in code.
D. Require team members to provide evidence of effort to ensure accessibility.

Answer: C

QUESTION 70:

A user at her workstation cannot reach any host on the Internet using ping, yet she can ping all the file and print servers on her local area network (LAN). You investigate the problem and discover that one of the following configuration parameters is missing. Which parameter is missing?

A. The IP address.
B. The subnet mask.
C. The default gateway.
D. The DHCP server address.

Answer: C

QUESTION 71:

The TCP/IP suite of protocols is the current universal standard for both local area networks and wide area networks. Which choice lists protocols that are included in the TCP/IP suite?

A. TCP, IP and IPX.
B. TCP, IP and SPX.
C. TCP, IP and UDP.
D. TCP, IP and NWLINK.

Answer: C

QUESTION 72:

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?

A. 192.168.23.115 is a loopback address.
B. 192.168.23.115 is a private IP address.
C. 192.168.23.115 is a unique IP address.
D. 192.168.23.115 is a reserved address for Internet routers.

Answer: B

QUESTION 73:

Which choice lists the elements that are necessary for a CGI session?

A. Web browser, Web form, SSJS and database.
B. SSJS, CGI script, Web browser and database.
C. Web form, database, Web browser and Web server.
D. Web browser. CGI script, Web form and Web server.

Answer: D

QUESTION 74:

In Cascading Style sheets (CSS), which type of style sheet uses the " ("at") symbol?

A. Inline.
B. Linked.
C. Imported.
D. Embedded.

Answer: C

QUESTION 75:

Which of the following is a way to limit access to wireless Ethernet network?

A. Enable MAC address filtering.
B. Enable Wireless Application Protocol.
C. Remove the access point's MAC address.
D. Configure the access point into ad-hoc mode.

Answer: A

QUESTION 76:

Which of the following is designed to help Personal Data Assistant (PDA) devices communicate with each other, and also provides its own dedicated markup language?

A. WAP.

B. WEP.
C. Infrared.
D. Bluetooth.

Answer: A

QUESTION 77:

Which of the following must you specify to uniquely identify each record in a database?

A. Keyword.
B. Primary key.
C. Common field.
D. One-to-one relationship.

Answer: B

QUESTION 78:

Which choice best defines Return On Investment (ROI)?

A. Determining the cost of Web site development.
B. Determining the profit of a Web project relative to cost.
C. Determining the benefits of a Web site to its intended users.
D. Determining the IT department's costs in developing a project.

Answer: B

QUESTION 79:

You are the project manager in change of a project to launch an e-commerce site. Over the course of the project, several unforeseen issues arose, and the team implemented additions that were not included in the original design specifications. The project was completed three month after the original deadline. Which of the following best describes this situation?

A. The project experienced scope creep.
B. The project quality control measures failed.
C. The project was implemented according to plan.
D. The original project design specifications were wrong.

Answer: A

QUESTION 80:

Which basic network topology connects devices with multiple paths so that redundancies exist?

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

Answer: D

QUESTION 81:

What is the primary purpose of the Domain Name System (DNS)?

A. To provide regular Internet access and e-mail service.
B. To map easily recognizable names to specific Internet addresses.
C. To allow users at one site to connect with a remote system at another site.
D. To determine the best route for data to travel between a client and a server.

Answer: B

QUESTION 82:

Lo-Ann creates a Web site that discusses Internet technologies. Her Web site pages use her own XHTML code and design template, and her original text, digital artwork and music. As you review Lo-An's site, you should assume that her copyright protection covers:

A. the XHTML tags used in her page code.
B. all off the content presented on her Web site.
C. the color combinations used in her site design.
D. the technology concepts that her site discusses.

Answer: B

QUESTION 83:

Brian is a systems administrator for his company. He performs many maintenance and troubleshooting tasks in a room that has multiple, redundant connections. This room is used to control the company's network resources. What is the term for this location?

A. Local area network (LAN).
B. Peer-to-peer (P2P) network.
C. Network access point (NAP).
D. Network operations centre (NOC).

Answer: D

QUESTION 84:

Which is the best way to ensure that the Web pages you create will display properly in standard Web browser?

A. Use the all attribute with all images.
B. Validate the code to W3C standards.
C. Use inline frames instead of standard frames.
D. Write code that displays in a text-only browser.

Answer: B

QUESTION 85:

As the marketing director for Hot Chocolates Inc., you want to distribute timely information t costumer about your company's products. You want to send product announcements via e-mail to customer who are interested in receiving this information. Which is the best to distribute this information?

A. Post messages to a newsgroup.
B. Post messages to a spam server.
C. Post messages to a mailing list server.
D. Post messages to a dedicated Web site.

Answer: A

QUESTION 86:

Mike is able to check his Web-based e-mail using his cell phone. Which protocol allows his cell phone to connect to the Internet?

A. Post Office Protocol (POP3)
B. Wireless Access Point (WAP)
C. Wireless Application Protocol (WAP)
D. Multipurpose Internet Mail Extensions (MIME)

Answer: C

QUESTION 87:

Your supervisor directs you to make static IP address assignments on the workstation in your office. Your workstations are part of a company WAN that also connects directly to the Internet. What information must you have in order to complete this assignment?

A. An IP address for each workstation and the subnet mask.
B. An IP address to be shared by all workstations and the subnet mask.
C. An IP address for each workstation, the default gateway address and the subnet mask.
D. An IP address to be shared by all workstations, the default gateway address and the subnet mask.

Answer: C

QUESTION 88:

James is travelling to several countries that use various electrical voltage and phone connections. He needs to use his computer to connect to the telephone network. Which choice lists the minimum components he requires?

A. A UPS and a jack adapter.
B. A UPS and a new power supply.
C. A power converter and a jack adapter.
D. A new power supply and a jack adapter.

Answer: C

QUESTION 89:

Hans is travelling to several countries that use various electrical voltage and phone connections. He needs to use his computer to connect to the telephone network. Which choice lists the minimum components he requires?

A. A UPS and a jack adapter.
B. A UPS and a new power supply.
C. A power converter and a jack adapter.
D. A new power supply and a jack adapter.

Answer: C

QUESTION 90:

Which of the following is a junction between one high-speed network and another?

A. Router
B. Switch
C. Wide area network (WAN)
D. Network Access Point (NAP)

Answer: D

QUESTION 91:

When does a copyright become effective?

A. When the original content is created.
B. When the original content is the focus of legal contention.

C. When the original content is registered in a UNESCO country.
D. When the original content is registered with the U.N. Copyright Office.

Answer: A

QUESTION 92:

In addition to providing centralized wireless client access, a wireless access point (WAP) also has a type of connector that enabled it to connect to s standard wires Ethernet network. Which type of connector does a WAP have?

A. BNC
B. RJ-11
C. RJ-45
D. RJ-48

Answer: C

QUESTION 93:

You received an e-mail attachment with a .tgz file name extension. Which application hast most likely created this file?

A. Gzip
B. WinZip
C. A graphics application
D. A spreadsheet application

Answer: A

QUESTION 94:

Which of the following eventually becomes a site map?

A. A storyboard
B. A needs analysis
C. A scope diagram
D. A stakeholder meeting

Answer: A

QUESTION 95:

The Web-safe palette contains how many colors available for use in HTML documents?

A. 216 Colors

B. 256 Colors
C. 16 Million Colors
D. 32 Million Colors

Answer: A

QUESTION 96:

In which process do two routers communicate to automatically calculate routes and to exchange information about routes of known networks?

A. Static routing
B. Direct routing
C. Interior routing
D. Dynamic routing

Answer: D

QUESTION 97:

Which XHTML container tag allows you to define regions in your browser window and assign separate files to each region?

A. <frame>
B. <colspan>
C. <frameset>
D. <noframes>

Answer: C

QUESTION 98:

You are using Cascading Style Sheets (CSS) to format your Web site. You created an external style sheet to apply the same look and feel to all your pages. Which tag will you use on each page to reference your external style sheet?

A. <link>
B. <style>
C. <body>
D. <span>

Answer: A

QUESTION 99:

Which type of server binds TCP port 80 by default and listens for incoming requests from clients?

A. Mail server
B. Proxy server
C. HTTP server
D. Database server

Answer: C

QUESTION 100:

Which type of cable supports data transmission speeds of 10 gigabits per second (Gbps)?

A. Category 3
B. Category 5
C. Category 5e
D. Category 6

Answer: D

QUESTION 101:

Changes in project scope tend to occur:

A. Only in large corporate projects.
B. In small rather than large increments.
C. In large rather than small increments.
D. Only in software development projects.

Answer: B

QUESTION 102:

Consider the following XHTML code:
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<meta http-equiv=Content-Type" content-"text/html; charset=utf-8"/>
<title> This is an HTML document </title>
</head>
<body>
This is a test page for the departmental Web page.
</body>
</html>
This code failed validation. Why?

A. Because the opening <head> tag is missing.

B. Because the closing </meta> tag is missing.
C. Because the <html> tag should use all-capital letters.
D. Because the <body> tag must have a code statement.

Answer: A

QUESTION 103:

Which of the following is a contract used in project management that outlines the requirements for each project task to ensure that the project objectives are met?

A. Project triangle
B. Organizational chart
C. Statement of work (SOW)
D. Return of Investment (ROI)

Answer: C

QUESTION 104:

Which topology is used to create a table in a relational database?

A. CGI
B. SQL
C. PHP
D. ODBC

Answer: B

QUESTION 105:

Which tool is used to check a Windows system's hard drive after a crash?

A. fsck
B. dump
C. chkdsk
D. restore

Answer: C

QUESTION 106:

Certkiller is outsourcing some content development tasks. The contractors who work on these projects will see some of Certkiller 's proprietary content before it is available to customers. Certkiller needs to ensure that this trade-secret content is kept confidential by the contractors who see it.
Which of the following protects your intellectual property in this situation?

A. Copyright
B. Trademark
C. License agreement
D. Non-disclosure agreement

Answer: D

QUESTION 107:

In the client/server model, a client can access information from any server if:

A. Both the client and server understand the protocol.
B. Both the client and the LAN understand the protocol.
C. Both the LAN and the WAN understand the protocol.
D. Both the server and the LAN understand the protocol.

Answer: A

QUESTION 108:

Which of the following is required for a wireless network to run in infrastructure mode?

A. A bridge
B. A switch
C. A wireless access point (WAP)
D. Wireless Equivalency Privacy (WEP)

Answer: C

QUESTION 109:

You received an e-mail message from a co-worker- It includes a .zip file as an attachment. The e-mail message explains that the attachment updates a critical flaw in the operating system and provides detailed instructions for installing the program. Which step should you perform first?

A. Save the file to your desktop before opening it.
B. Download the same program from the Internet, then install it.
C. Call the IT department and verify the nature of the attached file.
D. Open the attached file, which is safe because the e-mail server would have deleted it if it were dangerous.

Answer:

QUESTION 110:

Which of the following is the most efficient method for documenting and communicating a Web site

plan?

A. Photocopying and faxing sketches.
B. Sending a presentation slideshow via e-mail.
C. Describing the plan orally on stakeholder's voicemail.
D. Posting a large diagram on the wall in a busy office hallway.

Answer: B

QUESTION 111:

Which e-commerce protocol is defined as the interorganization exchange of documents in standardized electronic form directly between participating computers?

A. Electric Data Interchange (EDI)
B. Open Buying on the Internet (OBI)
C. Hypertext Transfer Protocol (HTTP)
D. Secure Electronic Transactions (SET)

Answer: A

QUESTION 112:

What is Dynamic Host Configuration Protocol (DHCP)?

A. The LAN access protocol used by Ethernet.
B. A protocol for assigning IP addresses to devices on a network.
C. A protocol that allows numerous subnetworks to exist within a network.
D. A protocol that allows a client and a server on the same host to communicate with each other.

Answer: B

QUESTION 113:

Each system in a TCP/IP network must be configured with an IP address on a subnet mask. The subnet mask identifies what parts of an IP address?

A. Source and destination
B. Loopback and broadcast
C. The number of bytes per field
D. Network portion and host portion

Answer: D

QUESTION 114:

Consider the following XHTML code from a Web form:
How often do you want to be updated?
<select name=Frequency">
<option> Once a week </option>
<option> Once or twice a month </option>
<option> Once a month </option>
<option value="NotAtAll" > Never </option>
</select>
Which type of Web form field will this code create?

A. A group of check boxes.
B. A group of radio buttons.
C. A single-option select list.
D. A scrolling multiple-select list.

Answer: C

QUESTION 115:

What is spyware?

A. Software that reports security holes to hackers.
B. Software that gathers information and relays it to outside parties.
C. Software that determines and reports improper software licensing.
D. Software that opens an undocumented port in your server and allows attackers to control your system.

Answer: B

QUESTION 116:

You have purchased some products from an online business. This business collected information from you regarding your purchase, such as your name. e-mail address and product preferences. This online business then sold some information about you to a third party. This routine practice is an example of:

A. A copyright issue.
B. A privacy concern.
C. A trademark issue.
D. A licensing concern.

Answer: B

QUESTION 117:

Which diagnostic tool would you use to determine the physical (MAC) address to systems that you have recently connected with?

A. arp
B. netstat
C. nbstat
D. tacert

Answer: A

QUESTION 118:

Mike wants to download the Macromedia Flash MX 2004 viewer software to his desktop. Which Internet protocol will he use?

A. FTP
B. SSH
C. TCP
D. SMTO

Answer: A

QUESTION 119:

Which of the following allows multiple systems to communicate on a wireless network in infrastructure mode?

A. A switch
B. A wireless NIC
C. A network access point (NAP)
D. A wireless access point (WAP)

Answer: D

QUESTION 120:

Lo-An works as a Web designer for Restaurants Unlimited Inc., a distributor that supplies food to restaurants. Restaurants Unlimited's customers can now place orders through an online inventory system, which Lo-An and her team designed. Which type of network does this system use?

A. Intranet
B. Extranet
C. Local area network
D. Web conferencing network

Answer: B

QUESTION 121:

Lisa has programmed her company's router to recognize several internal networks. Which job title best describes her responsibilities?

A. Network engineer
B. Security manager
C. Server administrator
D. Help desk technician

Answer: A

QUESTION 122:

You need to register a domain name for the Web sites that will promote Certkiller 's new product in international markets. You decide to register several top-level domain, such as .ca, .au and .ae, in addition to the commonly used .com domain. Why would you do this?

A. To appeal to the national identities of your customers.
B. To make it easier for search engines to find your Web site.
C. To ensure that you can sell your product legally in various countries.
D. To ensure that customers remember the spelling of your product name.

Answer: A

QUESTION 123:

Which choice lists connection types in the correct sequence by speed of transmission, from the slowest connection type to the fastest?

A. Dial-up, DSL. E1, T1
B. Dial-up, ISDN, T1, E1
C. Dial-up, ISDN, T1, DSL
D. ISDN, dial-up, T1, fiber-optic

Answer: B

QUESTION 124:

Which of the following IP addresses is invalid?

A. 224.199.23.3
B. 24.256.54.255
C. 177.138.23.89
D. 182.255.254.115

Answer: B

QUESTION 125:

Which choice lists computer peripheral port standards that require only one IRQ and are used to connect multiple high-speed devices?

A. USB and PS/2
B. USB and UART
C. IEEE 1394 and USB
D. IEEE 1394 and IEEE 1284

Answer: C

QUESTION 126:

Which of the following accurately describes a difference between a Java servlet and a PHP script?

A. Servlets must be interpreted, whereas PHP scripts are only compiled.
B. Servlets must be compiled. Whereas PHP script are only interpreted.
C. PHP scripts can be used only to communicate with databases, whereas servlets can be used to provide additional features.
D. Servlets can be used only to communicate with database, whereas PHP scripts can be used to provide additional features.

Answer: B

QUESTION 127:

Which user-configured security measure reduces unauthorized access on unattended workstations?

A. Desktop firewall
B. Digital certificates
C. Strict browser safety levels
D. Password-protected screen saver

Answer: D

QUESTION 128:

Mike has implemented an IP telephony system for his company. Employees now use this system for their telephone calls. Which of the following is true regarding Voice-over-IP (VoIP) telephone conversations?

A. A packet-based network is used to convey the conversations.
B. A dedicated, circuit-based network is used to convey the conversations-
C. The conversations use wired networks, not wireless transmission media.
D. The conversations use wireless transmission media, not wired networks.

Answer: A

QUESTION 129:

While troubleshooting her system's network access, Lisa can ping local and remote systems only by IP address. She has verified the IP configuration information on her system. She has determined that she has valid IP address, subnet mask, default gateway and DNS information. Which of the following is the source of this problem?

A. DNS server
B. LDAP server
C. DHCP server
D. Default gateway

Answer: A

QUESTION 130:

You have been asked to determine the download time for pages on your site. One page consists of the XHTML document, several image files, and a Flash presentation. These elements equal 84 kilobytes (KB) total. How long will it take for this page to be downloaded by a user with an Internet connection speed of 33.6 kilobits per second (Kbps)?

A. Approximately 5 seconds
B. Approximately 15 seconds
C. Approximately 20 seconds
D. Approximately 55 seconds

Answer: C

QUESTION 131:

Angel is using a GUI HTML editor to create a Web page that will be posted on the company site during an advertising promotion. Which of the following is a disadvantage of using GUI HTML editors?

A. They require you to choose a DTD.
B. They require you to know HTML well.
C. They may generate non-standard code.
D. They take a long time to create page code.

Answer: C

QUESTION 132:

Three factors affect every project, and when one factor is adjusted, it affects the others. This relationship

is known as the Project Triangle. What are the three factors in the Project Triangle?

A. Time, money and scope
B. ROI, quality and stakeholders
C. Testing, evaluating and controlling
D. Gantt charts, tracking and documentation

Answer: A

QUESTION 133:

Chris has decided to increase the cellspacing attribute value in his XHTML table. What is affected by this change?

A. The size of the table.
B. The position of the table.
C. The space between the table cells.
D. The space between cell text and cell border.

Answer: C

QUESTION 134:

Which choice list the three image file formats that are universally supported by modern Web browsers?

A. BMP, TIFF, and GIF
B. PNG, GIF, and BMP
C. GIF, JPEG, and BMP
D. GIF, JPEG, and PNG

Answer: D

QUESTION 135:

Which type of encryption uses a pair of keys, in which one key is used to encrypt information and the other key is used to decrypt that information?

A. Hash encryption
B. One-way encryption
C. Symmetric encryption
D. Asymmetric encryption

Answer: D

QUESTION 136:

You are managing an IT project, and you need information about customer preferences. Which of the following stakeholders is best to provide this information?

A. Marketing team
B. Upper management
C. Server administrators
D. Web development team

Answer: A

QUESTION 137:

Which term describes a server at the highest level of the Domain Name System (DNS)?

A. Master
B. Primary
C. Top level
D. Root level

Answer: D

QUESTION 138:

Your co-worker is not familiar with technical concepts. He asks you to explain Secure Shell (SSH) and the way it works. Which of the following is an appropriate and accurate explanation you can give to this non-technical person?

A. SSH uses RSA and public keys to authenticate and encrypt before you can defragment the hard drive.
B. SSH uses a Telnet-like interface, public keys are standard authentication methods, and then symmetric keys.
C. SSH allows you to gain secure access to a remote computer and then execute commands to control the system.
D. SSH uses DSA and RSA to protect authentication information, and asymmetric-key encryption to provide data confidentiality.

Answer: C

QUESTION 139:

Which IP address is called the loopback address, and can be used for testing and troubleshooting?

A. 127.0.01
B. 10.1.12.251
C. 132.65.18.91
D. 192.23.111.8

Answer: A

QUESTION 140:

A company has the right to audit its employees' computer hard drives. Which issue does this pose for employees?

A. Encryption policy
B. Trademark policy
C. Privacy policy
D. Security concerns

Answer: C

QUESTION 141:

Which of the XHTML elements in the Exhibit is always placed within the <head> section?

```
A.  <html>
B.  <body>
C.  <meta>
D.  <!DOCTYPE>
```

A. A
B. B
C. C
D. D

Answer: C

QUESTION 142:

In general, which choice lists the protocols that must be configured in order to send and receive e-mail?

A. NNTP and IMAP
B. POP3 and IMAP
C. HTTP and SMTP
D. SMTP and POP3

Answer: D

QUESTION 143:

Which of the following Web site maintenance functions helps ensure that users continue to visit your site?

A. Moving links

B. Fixing dead links
C. Clearing the cache
D. Changing page locations

Answer: B

QUESTION 144:

Which of the following is an example of dial-up Internet connection?

A. DSL
B. ISDN
C. Fractional T1
D. Cable modem

Answer: B

QUESTION 145:

Sandi needs to format a Web site with 20 pages. She wants to use CSS to apply a style rule to the H3 selector on all pages in the site. What is the most efficient way for her to apply this formatting?

A. With an inline style.
B. With a heading-3 tag.
C. With an embedded style.
D. With an external style sheet.

Answer: D

QUESTION 146:

You and others have read an informal message written by your company's president. The message is not addressed to any particular group in the company, and it was not delivered to any specific person or group. However, the message is on a persistent medium, and cannot be changed by anyone but the company president. Which of the following have you must likely read?

A. A blog
B. A newgroup
C. An e-mail message
D. An instant message

Answer: A

QUESTION 147:

Which of the following is the best example of a client?

A. An FTP site receiving a file.
B. A database fulfilling a query.
C. A workstation sharing a directory.
D. A Web browser querying a database.

Answer: D

QUESTION 148:

Rolf's Web site does not meet the W3C's Web Content Accessibility Guidelines (WCAG). To make his site more accessible according to WCAG, which change could he make?

A. Remove all tables from site pages.
B. Add a disclaimer to the home page.
C. Create a text-only version of the site.
D. Add more images and decrease text.

Answer: C

QUESTION 149:

You are hosting a Web server in your office. Your ISP will provide connectivity. What do you need from your ISP in order to publish your site?

A. Directory locations.
B. Permissions to use CGI.
C. A DNS name or IP address.
D. A user name and password.

Answer: C

QUESTION 150:

In XHTM, what is one of the functions of the <input> tag?

A. To create a data cell in a table.
B. To create a check box in a form.
C. To create a record in a database.
D. To create a scrolling select list in a form.

Answer: B

QUESTION 151:

Web pages with content that flashes, flickers or strobes can cause accessibility problems for which type of

users?

A. Users with hearing impairment.
B. Users with cognitive challenges.
C. Users with technical challenges.
D. Users with slow Internet connections.

Answer: B

QUESTION 152:

Which protocol is used to transmit files across the Web to rendered by a Web browser?

A. Internet Protocol (IP)
B. Hypertext Transfer Protocol (HTTP)
C. Transmission Control Protocol (TCP)
D. Point-to-Point Tunnelling Protocol (PPTP)

Answer: B

QUESTION 153:

Which layer of the Open System Interconnection reference model (OSI/RM) organizes transmitted information into datagrams or packets?

A. Session layer
B. Network layer
C. Data link layer
D. Application layer

Answer: B

QUESTION 154:

As an IT professional, you must always consider the Return of Investment (ROI) impact that IT projects have on your organization. You may be required to justify a project's benefits relative to its cost. What must you do to relate such information about IT projects to upper managers?

A. Explain decisions in purely technical terms to ensure that the issues are properly understood.
B. Make decisions without input from management so as not to confuse the manager's or stakeholders.
C. Consult only managers who have technical experience so that the project benefits will be fully understood.
D. Put the information in terms that your managers can understand so that they can make informed decisions.

Answer: D