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The Power of Knowing



Exam : 1D0-520

Title : CIW v5 Site Designer

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QUESTION 1:

Cookies can be used to:

- A. spread viruses on a network.
- B. send personal information back to the Web server.
- C. execute programs on a Web server.
- D. target users for marketing.

Answer: D

QUESTION 2:

Where do SVG files render?

- A. On the client side
- B. In the XML markup
- C. On the server side
- D. In the Flash plug-in

Answer: A

QUESTION 3:

Consider the following code:

```
<film>  
<year>1942</year>  
<title>Casablanca</title>  
<director>Michael Curtiz</director>  
</film>
```

What kind of code is shown in the preceding example?

- A. XML
- B. activeScript
- C. VBScript
- D. HTML

Answer: A

QUESTION 4:

You have been asked to insert an image named kayak.jpg in a Web page. Which of the following code examples will validate as XHTML 1.0 Transitional?

- A. ``

- B.
- C.
- D.

Answer: D

QUESTION 5:

The best way to thwart a dictionary attack is by enforcing a:

- A. restricted access policy.
- B. proxy server policy.
- C. firewall configuration policy.
- D. strong password policy.

Answer: D

QUESTION 6:

SVG files can be defined as:

- A. a proprietary plug-in for displaying Flash files.
- B. a bitmap photo format.
- C. a cross-platform image-rendering plug-in.
- D. a way to describe two-dimensional graphics in XML.

Answer: D

QUESTION 7:

Which of the following plug-ins would be used to view paper-based documents that cannot be easily re-created using XHTML?

- A. Scalable Vector Graphics (SVG)
- B. Portable Document Format (PDF)
- C. Microsoft Fax Viewer
- D. Word processor applications

Answer: B

QUESTION 8:

You are using a style sheet. Which of the following examples of code are best suited for cross-platform design?

- A. font-family: Helvetica, Arial, sans-serif;

- B. font-family: bold, italics;
- C. font-family=monotype, courier
- D. font-family: Impact, Verdana, Geneva;

Answer: A

QUESTION 9:

SVG files can be defined as:

- A. a way to describe two-dimensional graphics in XML.
- B. a cross-platform image-rendering plug-in.
- C. a bitmap photo format.
- D. a proprietary plug-in for displaying Flash files.

Answer: A

QUESTION 10:

Which of the following is one of the advantages that SWF (Flash) files bring to Web-based environments?

- A. SWF files can stream images, so files can be uploaded quickly.
- B. SWF files use layers, so animation is linear and parallel.
- C. SWF files use vector images, so files can be easily modified.
- D. SWF files are compressed, so files download quickly.

Answer: D

QUESTION 11:

What is the process for following every link on your site to ensure that it goes to the correct location?

- A. Manual link checking
- B. Site validation
- C. Site optimization
- D. Manual link optimization

Answer: A

QUESTION 12:

How many fonts are commonly used in Web page design?

- A. Six

- B. Two
- C. Four
- D. Eight

Answer: B

QUESTION 13:

Hal has saved a file as a template in Dreamweaver. If he has not already done so, Dreamweaver will prompt him to add:

- A. a content region.
- B. a CSS style sheet.
- C. an editable region.
- D. a <div> tag to hold content.

Answer: C

QUESTION 14:

Reba has been hired to design a Web site for a manufacturer of digital pianos. She plans to build a site that uses visual elements and white space to create an attractive, usable source of information for prospective customers. To ensure visual balance and effective usability on the company's home page, Reba decides to place a large picture with a dark background on the right side of the page, and to add a vertical menu of navigational links to the left side. Which of the following best describes the type of visual balance Reba plans to use?

- A. Radial
- B. Distributed
- C. Asymmetrical
- D. Symmetrical

Answer: C

QUESTION 15:

Consider the following code:

```
<!--XHTML 1.0 Transitional Web page template-->
```

Which of the following describes the tag used to insert this message?

- A. It is a style sheet reference.
- B. It is a proprietary tag.
- C. It is a custom XML tag.
- D. It is a standard comment tag.

Answer: D

QUESTION 16:

Which of the following is an acceptable way to insert a background image using a style sheet?

- A. background-image: url(background.tiff);
- B. background-image: url(background.jpg);
- C.
- D. background-position: background.jpg bottom right;

Answer: B

QUESTION 17:

According to the W3C XML Recommendation, XML documents that are not well-formed:

- A. will not load in the browser.
- B. will load in the browser until reaching the violation, and then stop.
- C. will generate an error and then load in the browser.
- D. will load in the browser and then generate an error.

Answer: A

QUESTION 18:

You are designing a medical research site. The content will include medical terminology. When is it acceptable to use industry jargon?

- A. When the audience will understand the terms
- B. When the Web designer understands the jargon
- C. When a casual tone is appropriate
- D. When you want to demonstrate the superiority of your site

Answer: A

QUESTION 19:

Which of the following is a benefit of imported style sheets?

- A. Imported style sheets are the only way to override the default style of a browser.
- B. Multiple style sheets can be applied using one style declaration.
- C. Imported style sheets override embedded styles.

D. Imported style sheets work with all older browsers.

Answer: B

QUESTION 20:

Both versions of GIF files support small file size, lossless compression and transparency. Which of the two GIF versions also supports animation and interlacing?

- A. 89b
- B. 89a
- C. 87b
- D. 87a

Answer: B

QUESTION 21:

Which of the following is directly exploited by a brute-force attack?

- A. The TCP/IP software installed on the Web server
- B. The Web server's available bandwidth
- C. The Web server's authentication mechanisms
- D. The log file mechanisms that exist on the Web server

Answer: C

QUESTION 22:

Consuela is updating her company's Web site. She wants to add an image that is 1,414 pixels by 724 pixels. Her site audience generally uses a monitor resolution of 1024x768. Using Fireworks, how can she adjust the image to fit the users' monitors?

- A. Resample the image to adjust the print size.
- B. Resample the image to decrease the color depth.
- C. Resample the image to increase the resolution.
- D. Resample the image to decrease the pixel dimensions.

Answer: D

QUESTION 23:

While designing a Web site for a customer, you are asked to add several photographic images to one of the pages. Which format would be best suited for this type of image?

- A. GIF

- B. TIFF
- C. JPEG
- D. BMP

Answer: C

QUESTION 24:

Manuel has been hired by XYZ Corporation to develop a Web site that will display information about the company's products and in-stock quantities to potential customers. The company currently has more than 1,000 products in its catalog. Which approach is best for providing Web site customers with the necessary information?

- A. Create a server-side application that queries product data from the company's database and displays it on a Web page.
- B. Create an XML file of product information and display it using XSLT on one of the site pages.
- C. Develop static XHTML pages that display the product information to the customers.
- D. Provide a link to a PDF catalog of the company's products that customers can download.

Answer: A

QUESTION 25:

The best use of an XHTML table is to:

- A. occupy the entire space of a Web page.
- B. display tabular data.
- C. generate fluid design using percentages.
- D. create complex layouts.

Answer: B

QUESTION 26:

Consider the following code:

```
<a href="http://www.ciwcertified.com">  
  
</a>
```

The preceding code seems to render properly in multiple Web browsers. However, it will not validate to W3C standards. Which of the following must be added?

- A. An embedded style sheet
- B. A linked style sheet
- C. A closing tag

D. The alt attribute

Answer: D

QUESTION 27:

Jason needs to create a table with four columns and six rows. Which of the following attributes must he include in the <td> tag to allow the first cell to span across the entire width of the table?

- A. rowspan="6"
- B. colspan="4"
- C. width="100%"
- D. colspan="6"

Answer: B

QUESTION 28:

You are creating a Web site for a customer. You will use an external linked style sheet for controlling the style of elements and giving a consistent look and feel to the site. Which of the following best describes this external style sheet?

- A. A text file that uses the .htm file name extension and contains style definitions and HTML formatting tags
- B. A text file that uses the .htm file name extension and contains only style definitions
- C. A text file that uses the .css file name extension and contains style definitions and HTML formatting tags
- D. A text file that uses the .css file name extension and contains only style definitions

Answer: D

QUESTION 29:

Which Web development team member is responsible for developing a site's navigation?

- A. Graphics designer
- B. Information architect
- C. Web programmer
- D. Information Technology (IT) professional

Answer: B

QUESTION 30:

Which of the following would typically be found in the contents of an external style

sheet?

- A. P { margin: 1in }
- B. P (margin: 1in)
- C. P [margin: 1in]
- D. <P align=left> </P>

Answer: A

QUESTION 31:

Rosa wants to position a paragraph 100 pixels below the top of the HTML document, and 100 pixels from its left margin. Which styles should she use?

- A. top: 100px; left: 100px
- B. position: absolute;margin-top: 100px;margin-left: 100px
- C. position: absolute;top: 100px;left: 100px
- D. position: relative; top: 100px; left: 100px

Answer: C

QUESTION 32:

Which of the following techniques helps stop a denial-of-service (DOS) attack in which an attacker has sent multiple ICMP or TCP packets to crash a Web server on the Internet?

- A. Changing passwords on a regular basis
- B. Placing the database and the Web server on separate systems
- C. Installing Apache server rather than Microsoft IIS
- D. Filtering traffic at the firewall

Answer: D

QUESTION 33:

Jared is creating an interactive Web site that is expected to respond to heavy traffic. He needs to request new hardware in order to build a staging server. What requirement of the staging server should he be aware of when ordering the new hardware?

- A. The staging server should have the same hardware and software configuration as the production server.
- B. The staging server should have a different operating system from that of the production server for flexibility during testing.
- C. The staging server should have a slower processor and less RAM than the production server because it is just a test server.
- D. The staging server should have more RAM and a faster processor than the production

server because testing is more intensive than production use.

Answer: A

QUESTION 34:

George is developing an intranet site for his company. How can he establish consistency for the structure and layout of all the pages, but leave decisions about the content of each page to the individual departments?

- A. Use style guides.
- B. Use inline frames.
- C. Create a site template.
- D. Create a site map.

Answer: C

QUESTION 35:

Processes that take client input, perform functions on the Web server and then return content to the Web browser are known as:

- A. server-side technologies.
- B. scripting languages.
- C. hyperthreading technologies.
- D. client-side technologies.

Answer: A

QUESTION 36:

Pop-up and pop-under windows were once considered a valid advertising method for some Web designers. Most designers now consider this advertising method invalid because users tend to find pop-ups and pop-under annoying. Which of the following is another common reason to avoid pop-ups and pop-under?

- A. Many browsers now feature pop-up blockers.
- B. The HTML code is no longer supported.
- C. Pop-ups are a single browser technology.
- D. Pop-ups are considered an invasion of privacy.

Answer: A

QUESTION 37:

You are creating a Web site for a customer, which will have many pages. You want to

implement a single style sheet to control all the pages on the site. Which of the following would be the preferred method for doing so?

- A. Use an external style sheet.
- B. Use an embedded style sheet.
- C. Use an internal style sheet.
- D. Use an exported style sheet.

Answer: A

QUESTION 38:

Jacob runs a Web site specializing in selling music from independent artists. Most of the site's customers want to know about unknown or new artists in the music industry whose work is available on Jacob's site. Site visitors have requested an easier way to learn about updates to the New Artists page. Which of the following will best meet visitors' needs?

- A. Install an RSS feed for the New Artists page.
- B. Install a search feature on the New Artists page.
- C. Use a different font for each new entry on the New Artists page.
- D. Update the New Artists page more often.

Answer: A

QUESTION 39:

Image slicing involves:

- A. merging several small image files into a single large image file to simplify placement on the Web page.
- B. creating an animated GIF file from a single large image file to decrease perceived download time.
- C. selecting rectangular sections of a larger graphic to be divided into smaller images during export.
- D. selecting sections of a single image and saving them as separate JPG files in a specially created folder.

Answer: C

QUESTION 40:

Your friend sent you a Flash movie by e-mail. You want to download it and make changes to it, but when you try to open it in Flash, the movie only plays back. What is the reason for this?

- A. The movie is in FLA format and cannot be edited.

- B. The movie was created with a version of Flash that is incompatible with your version.
- C. The movie is in SWF format and cannot be edited.
- D. The movie is corrupted and cannot be edited.

Answer: C

QUESTION 41:

Marcos is writing a client-side JavaScript that asks the user to type a dollar amount that will be used to compute a loan payment amount. Which of the following methods can Marcos use to ask the user for input?

- A. `msgbox(Please enter the loan amount.);`
- B. `input(Please enter the loan amount., Loan Calculation);`
- C. `prompt(Please enter the loan amount.,);`
- D. `alert(Please enter the loan amount.);`

Answer: C

QUESTION 42:

Which of the following will best protect a server from Web server vulnerabilities that are exploited by hackers?

- A. Using the GET method instead of the POST method for a Web form
- B. Installing updates (for example, service packs)
- C. Using strong passwords
- D. Using the POST method instead of the GET method for a Web form

Answer: B

QUESTION 43:

Server and operating system vendors regularly update their software by offering security patches when new vulnerabilities are discovered. To keep your Web site and server safe, you should apply security patches:

- A. after your system has been compromised.
- B. after they have been standardized by the ISO.
- C. during your next scheduled monthly maintenance session.
- D. as soon as they are released and proven stable.

Answer: D

QUESTION 44:

You are working for a financial services company. The company has a Web site that allows its customers to review their statements online. Your Web site uses the Document Object Model (DOM), ActiveX, JavaScript and Java. Which of these technologies is most likely to cause customers problems with their browsers when they try to access information?

- A. Document Object Model (DOM)
- B. Java
- C. JavaScript
- D. ActiveX

Answer: D

QUESTION 45:

Tom wants to display list elements in a row. What should he add to his style sheet?

- A. li {display:inline}
- B. li {display:block}
- C. ul {display:inline}
- D. li {layout:inline}

Answer: A

QUESTION 46:

Which of the following best describes the type of information that Web server log files can collect?

- A. Browser version, reviewed products, IP address
- B. Browser information, return visits, past purchases
- C. Browser information, pages viewed, referrer sites
- D. Credit card number used, favorite products, pages viewed

Answer: C

QUESTION 47:

Consider the following code:

```
$dbcon=mysql_connect("james.stangernet.com","example");  
mysql_select_db("databaseone");
```

Which of the following describes the function of this code?

- A. It is selecting a database record and creating a new record.
- B. It is creating a connection to the database.
- C. It is conducting a join for a new database.

D. It is selecting a table from the database.

Answer: B

QUESTION 48:

User feedback can be evaluated in many ways. Which of the following methods is more quantitative than direct user feedback, and will provide indirect feedback from the majority of users who do not respond?

- A. Opt-in bulk mail services
- B. Online e-mail links
- C. User surveys
- D. Site server logs

Answer: D

QUESTION 49:

Brent wants to use the same image on each page of his site, but wants to have a different color in a part of that image from one page to the next. Using an image software editor, he decides to create a master layered image with the changes on their own layer. Which file format would allow Brent to accomplish this task?

- A. GIF
- B. PNG
- C. JPG
- D. BMP

Answer: B

QUESTION 50:

Which of the following formats uses Extensible Markup Language (XML) to describe certain shapes and is best for working with two-dimensional line art and shapes?

- A. JPEG
- B. SWF
- C. PNG
- D. SVG

Answer: D

QUESTION 51:

Kristi is developing a Web site for Roscoe Carnival Supplies. Roscoe's CEO has

provided several JPG images that he wants to include on the home page of the site. As Kristi begins to design the page, she realizes that she cannot achieve the tight design she wants because many of the images have excess white space around them. What should Kristi do to solve the problem?

- A. Delete the layer with the most white space from the JPG file.
- B. Modify the image's resolution to reduce unneeded white space.
- C. Crop the image to reduce excess white space.
- D. Modify the image's height and/or width dimensions.

Answer: C

QUESTION 52:

Which of the following is true of both SWF and SVG file formats?

- A. Both describe two-dimensional vector graphics.
- B. Both are open industry standards.
- C. Both can be streamed.
- D. Both are W3C Recommendations.

Answer: A

QUESTION 53:

Applying masks in Flash allows for the creation of depth on the Web page. Which of the following is true when creating vector masks?

- A. You can link no more than one layer to a single mask layer.
- B. A mask layer contains a filled shape that blocks off objects on at least one other layer.
- C. Creating a mask requires an understanding of action scripting.
- D. You create masks on motion guide layers and normal layers in Flash.

Answer: B

QUESTION 54:

Kylee is creating a Flash animation banner. The banner is advertising a company's change of ownership. In the banner, the old company logo needs to morph into the new logo. What is the best way for Kylee to do this?

- A. Create a shape tween between the old and the new logos.
- B. Convert the logos into symbols and create a shape tween between the old and the new logos.
- C. Convert the logos into symbols and create a motion tween between the old and the new logos.

D. Create a motion tween between the old and the new logos.

Answer: A

QUESTION 55:

Alma has been asked to upgrade the pages on her Web site to XHTML 1.0 Transitional. Which of the following tags must she alter on each page?

- A. The tag
- B. The <!DOCTYPE> tag
- C. The <head> tag
- D. The <meta> tag

Answer: B

QUESTION 56:

Your new customer, Chattawa, is the education coordinator for Bluelake County Schools. He has asked you to design a Web site to teach school personnel in aboriginal issues. He presents you with a report about current concerns that aboriginal children's learning styles are not being addressed in the school system. He suggests that you reproduce the report online and add aboriginal art in the margins. Whose perspective should you take as you design the site?

- A. The education coordinator's perspective
- B. The site user's perspective
- C. The school administration's perspective
- D. Your perspective

Answer: B

QUESTION 57:

Denny is designing a Web site for his school's sporting events. This Web site will list event results for the school. When site visitors click a hyperlink for a specific event, a new page containing information about the sporting event will appear, including the teams involved, the location of the event, scores, key plays and specific accomplishments by contestants. Which of the following should Denny do to build this site?

- A. Create static pages for each event.
- B. Use one page and modify it after each event.
- C. Copy and paste Web pages from other schools' sites.
- D. Use database integration.

Answer: D

QUESTION 58:

Which of the following would be an effective way to attract customers to your site without violating end-user trust and privacy?

- A. Use pop-up advertisements for weekly specials.
- B. Use metadata effectively and appropriately.
- C. Design trademarks and logos to resemble those of competitors.
- D. Send e-mail to all current and potential customers.

Answer: B

QUESTION 59:

You are designing a Web site for a customer who wants to incorporate multimedia on the site. In terms of site design, what must you consider before you begin?

- A. You must decide which format is proprietary to a specific plug-in so that visitors will not be able to easily copy your work to another site.
- B. You must consider the cost you will need to charge site visitors for downloading and installing the necessary plug-ins to view the site's multimedia.
- C. You must not implement multimedia that requires a plug-in because you do not know whether plug-ins will work in multiple browser types and versions.
- D. You must determine which file format is widely used so that site visitors will be easily able to find and install the necessary plug-ins.

Answer: D

QUESTION 60:

Which of the following is a standard use of cookies?

- A. Storing password information
- B. Scanning hard disk drives
- C. Capturing keystrokes
- D. Recording financial information

Answer: A

QUESTION 61:

Susan is creating some additional images for her customer's Web site. One image will be used repeatedly on site pages. However, in order to support the site's topic-specific color scheme, she wants one shape in the image's background to be a different color on each page. What is the best way for Susan to accomplish this task?

- A. Create the image using pages for its different components.
- B. Create the image using layers for its different components.
- C. Create the image using series for its different components.
- D. Create the image using frames for its different components.

Answer: B

QUESTION 62:

Your team is creating a Web site for a small non-profit organization. Which of the following will help all users, including those with vision disabilities?

- A. Using Flash animation
- B. Using relative font sizes
- C. Using absolute font sizes
- D. Using a patterned background

Answer: B

QUESTION 63:

The JavaScript open() method that is used to create a pop-up/pop-under window belongs to what DOM object?

- A. Body
- B. Client
- C. Window
- D. Document

Answer: C

QUESTION 64:

A local philanthropic organization with a well-developed mission, vision and set of values has never had a Web site. The organization has hired Manuel to design a site. The president and directors of the organization want the mission, vision and values included in the site. This information is expressed as several paragraphs of text. What suggestion should Manuel offer?

- A. Rewrite the mission, vision and values as single, short phrases.
- B. Provide a top-level link to a page containing the mission, vision and values information.
- C. Suggest replacing the information with a company slogan.
- D. Include the mission, vision and values in their entirety on the home page.

Answer: B

QUESTION 65:

Which of the following Web site characteristics demonstrates the ability to present information dynamically from a knowledge base?

- A. Interactivity
- B. Dynamic HTML
- C. Static layout
- D. Database integration

Answer: D

QUESTION 66:

Which of the following strategies is best for implementing bulk e-mailing to customers?

- A. Give customers the option to receive or to stop receiving bulk e-mail.
- B. Buy an e-mail list from a vendor that sells a similar product.
- C. Send e-mail messages to all customer e-mail addresses collected at the time of purchase.
- D. Generate a list of e-mail addresses from a directory listing of people who work in the same field as your company.

Answer: A

QUESTION 67:

Your site development team has created a Web site, and you want to test its accessibility. Which of the following do you need to conduct the test?

- A. A test pool of very unskilled users
- B. A test pool of at least six members of the Web team
- C. A test pool of fewer than five moderately skilled users
- D. A test pool of at least five or six typical users

Answer: D

QUESTION 68:

You have been asked to create a page that retrieves information from a database. Which of the following is the first step in obtaining information from a database from a Web page?

- A. Create a connection to the database.
- B. Conduct a database query.
- C. Put the results in a recordset to ensure that the database returns data properly.
- D. Create a recordset to hold the query results.

Answer: A

QUESTION 69:

You receive complaints from customers that your Web site is inaccessible. You check the Web server and notice that it is behaving sluggishly. You cannot explain the sluggishness because the server logs show that few Web server connections exist. However, a security worker notices that thousands of ICMP packets are being sent to the server every second, making the server drop connections. What type of attack is being waged against your site?

- A. Social engineering
- B. Brute force
- C. Denial of service
- D. Password guessing

Answer: C

QUESTION 70:

Kim is using a proprietary HTML application to create code for a Web page. Currently, the application is set to use HTML 4.01, according to a request from Kim's supervisor. Kim wants the code to be as XHTML-compliant as possible, in case of an upgrade. Which of the following should she do?

- A. Enable the application to insert ending tags for all code.
- B. Configure the application to use UTF-8.
- C. Insert an XHTML 1.0 Transitional `<!DOCTYPE>` tag.
- D. Insert embedded style sheets for all pages.

Answer: A

QUESTION 71:

Which of the following elements is the best way to make a Web page easier to read and to get your content across to Web users?

- A. Use a Flash presentation to represent content.
- B. Use several high-end graphics instead of lengthy sentences to represent content.
- C. Implement white space to reduce clutter.
- D. Implement a sans-serif font to make the page easier to read.

Answer: C

QUESTION 72:

When you publish a Flash file, Flash generates the HTML code for inserting an object in a Web page. Which of the following code fragments indicates the correct attributes that identify a SWF file within the <object> tag?

- A. <param name=movie data="myFlashMovie.swf">
- B. <param value=movie name="myFlashMovie.swf">
- C. <param name=movie value="myFlashMovie.swf">
- D. <param type=movie src="myFlashMovie.swf">

Answer: C

QUESTION 73:

The role of the project manager is to:

- A. create Flash animations and user interfaces for Web applications.
- B. develop Web sites and manage Web site resources.
- C. create the blueprint for the site and plan the navigation.
- D. evaluate available resources and create specifications.

Answer: D

QUESTION 74:

The W3C has developed XHTML standards for the World Wide Web. These standards:

- A. allow proprietary software to run in other vendors' browsers.
- B. ensure consistent display in various browsers and platforms.
- C. allow markup elements to combine both structure and formatting in a single text file.
- D. define a language that incorporates data structures and internal logic.

Answer: B

QUESTION 75:

Homer has been asked to create a monthly advertising message and send it by bulk e-mail to all e-mail addresses collected from customers who have purchased products from the company. What should Homer include in the bulk e-mail message to ensure customer privacy?

- A. An opt-out option for recipients to stop receiving future advertising messages from the

company

- B. A section in which recipients can provide feedback about the company
- C. The customer's e-mail address in the body of the message
- D. An opt-in option to receive additional similar messages from related companies

Answer: A

QUESTION 76:

Which of the following is used in Secure XML to verify the origin of a message?

- A. Triple DES
- B. Symmetric-key encryption
- C. An open encryption standard known as Gnu Privacy Guard
- D. A digital signature

Answer: D

QUESTION 77:

You are responsible for administering a Web site for a college program designed to get students to express their perspectives on topical issues. Your supervisor has been asked to ensure that all Web sites for the college are Conformance Level "Triple-A," according to Web Accessibility Initiative (WAI) standards. Which of the following will have to be eliminated from your site?

- A. All visual content without an accessible audio alternative
- B. All HTML content written to 4.01 specifications
- C. All XHTML tables within the site
- D. All audio content without a text-based alternative

Answer: D

QUESTION 78:

Why is it important to evaluate your choice of layout elements available to use on your Web site?

- A. To impress users with graphics on every page
- B. To help focus the development process
- C. To increase the amount of content that can fit on pages
- D. To implement the latest technologies and outsell the competitors

Answer: B

QUESTION 79:

Ben has decided to use a MySQL database on a Linux system to store data for his business-to-business (B2B) Web site. Which language can he use to request the data?

- A. CSS
- B. PHP
- C. VRML
- D. XHTML

Answer: B

QUESTION 80:

Which attribute should be used to assign inline styles to HTML?

- A. value
- B. class
- C. id
- D. style

Answer: D

QUESTION 81:

A college is considering allowing podcasting on its student Web site. What should be done to ensure that the site meets the college's strict accessibility policy?

- A. Convert all transmissions into the Ogg Vorbis format, which is easily accessible using additional audio plug-ins.
- B. Require a text-only version of each audio transmission from the site.
- C. Create an alternative page that does not list the audio files.
- D. Create a disclaimer on the page for the audio file format and site visitors who are hard-of-hearing.

Answer: B

QUESTION 82:

You are creating a Web site that uses a large graphics image containing more than 256 colors on its main page. You do not want to reduce the image size or the resolution. One method to reduce the perceived load time of the graphic is to:

- A. convert the file into a GIF 89a format.
- B. reduce the color depth of the image.
- C. divide the image into slices.

D. convert the image into a BMP2 format.

Answer: C

QUESTION 83:

Sandra needs to check the hyperlinks on her company's Web site to verify that the URLs are still valid. What is the fastest method to accomplish this task?

- A. Site validation checking
- B. Automatic link checking
- C. Manual link optimization
- D. Manual link checking

Answer: B

QUESTION 84:

What is another name for the staging server?

- A. Live server
- B. Production server
- C. Development server
- D. Redundant server

Answer: C

QUESTION 85:

In order to create two simultaneous moving objects, you would need at least:

- A. two layers, one timeline and two keyframes.
- B. two layers, one timeline and four keyframes.
- C. one layer, two timelines and two keyframes.
- D. one layer, one timeline and four keyframes.

Answer: B

QUESTION 86:

A company Web site sells auto parts using a red, white and blue color scheme. Serena, an employee, has been asked to add a message on the home page announcing the availability of new brake pads. How can Serena best incorporate her message so that it is most effective?

- A. Add text and an image of the brake pads in the center of the screen.

- B. Use a large, unusual font for a link that states "Look what's NEW!"
- C. Compress the text to fully explain the high quality of the new pads.
- D. Introduce new colors to make a scrolling message stand out at the bottom of the screen.

Answer: A

QUESTION 87:

Which of the following technologies can be used to create rollover images without the use of special plug-ins?

- A. CSS
- B. SVG
- C. XHTML
- D. Flash

Answer: A

QUESTION 88:

You have decided that using a pop-up window is appropriate in a particular situation. Which of the following can you use to ensure that the window is displayed in the proper location?

- A. JavaScript and pseudo-code
- B. JavaScript and the Document Object Model (DOM)
- C. CSS and XHTML
- D. XHTML and pseudo-code

Answer: B

QUESTION 89:

Suandi is documenting the technology choices of his Web development team. In the document, he explains his reasons for using JavaScript as a development language on the client side because:

- A. it is the scripting version of the popular Java programming language.
- B. it was specifically developed for use with the Internet Explorer Web browser.
- C. it is best suited for open-source browsers.
- D. it is compatible with the widest variety of Web browsers.

Answer: D

QUESTION 90:

Which of the following is true with regard to creating an XML application?

- A. The application must always be run from a Web server.
- B. XML must always be embedded with XHTML, not HTML.
- C. The tags can use uppercase and lowercase characters.
- D. The application must be able to determine page structure if it is used on a Web page.

Answer: C

QUESTION 91:

Martin has created a Web site that uses colors to direct users through the site. Although the site looks great, users are frustrated when trying to find content. What should Martin do to enhance navigability but retain the look and feel of the site?

- A. Place a path marker at the bottom of each page.
- B. Use the same color throughout the site.
- C. Ensure that page headings are sufficiently descriptive.
- D. Add a color legend in the navigation menu.

Answer: D

QUESTION 92:

David has designed a home page for an e-commerce Web site. At the left side of the page is a large block of text with product names and prices. The right side features a detailed 100-pixel-by-200-pixel photo of a sample product. David decides that his page appears to be balanced. How did the two elements balance each other?

- A. By shape
- B. By size
- C. By value
- D. By color

Answer: A

QUESTION 93:

Which of the following file types does not require a plug-in to be installed in the browser?

- A. ASP
- B. SWF
- C. SVG

D. PDF

Answer: A

QUESTION 94:

Tom is making changes to his company's Web site. Because he likes the way the markup is styled, he copies the following into another section of the page:

`<div id="subsection"> This section is under construction</div>`

Why does the home page not validate properly?

- A. A `<div>` tag can be used only once in each document's markup.
- B. An ID attribute can be applied to only one element in a document.
- C. Element attributes must be declared in the style sheet.
- D. The `<div>` tag was not closed properly.

Answer: B

QUESTION 95:

Mikala is designing a Web site for TLP Building Supply. The company's CEO is impressed by Flash introductions and blinking marquees, and she wants to use them on the TLP site. Mikala knows from reviewing the site audience surveys that the TLP audience prefers easy navigation and a simple design. How can Mikala balance the CEO's preferences with the audience's needs?

- A. Discuss the survey results and develop the site mission with the CEO, and then design the site.
- B. Convince the CEO that blinking marquees and Flash ineffectively convey a Web site's message and should not be used.
- C. Design the site according to W3C standards, and then meet with the CEO after the site is completed.
- D. Implement the CEO's suggestions for including the latest technologies because the primary responsibility of a Web designer is to give customers what they request.

Answer: A

QUESTION 96:

Tomas wants to resize the same vector image on different pages of his Web site. Which Web graphics format would be ideal for this?

- A. GIF 87a
- B. JPEG
- C. GIF 89a

D. SVG

Answer: D

QUESTION 97:

You have created an animation using a commercial software package. You decide that you want the animation sequence to play faster without frame loss. The frame delay rate is set to 30 (30/100 second). In order to increase the speed of the sequence, you should:

- A. decrease the rate to less than 30.
- B. increase the rate to more than 30.
- C. decrease the number of frames in the animation.
- D. insert additional frames in the animation.

Answer: A

QUESTION 98:

What is the primary purpose of navigational elements within a Web site?

- A. To make it easy for users to reach the home page
- B. To enable user movement throughout the site
- C. To organize a list of hyperlinks
- D. To make it easy for users to visit other sites

Answer: B

QUESTION 99:

What must you consider when designing pages using the JavaScript open() method?

- A. Unsupported screen reader software
- B. Server-side includes
- C. Pop-up blocker software
- D. Browser plug-in issues

Answer: C

QUESTION 100:

Ben has reviewed surveys from a selected pool of potential site visitors. What should he do first with this valuable information?

- A. Populate a database with information about prospective customers for a targeted e-mail campaign.

- B. Establish a page layout template that enables visitors to easily scan for content that interests them.
- C. Design navigation schemes to direct visitors to promotional pages.
- D. Create a set of user behavior scenarios to use in a "bottom-up" approach to site design.

Answer: D

QUESTION 101:

A recent trend in Web content is to allow computer systems to exchange information and share functionality with one another using well-defined protocols and compatible languages. This functionality is referred to as:

- A. Web portals.
- B. Web sharing.
- C. Web farming.
- D. Web services.

Answer: D

QUESTION 102:

Jason is attempting to gain unauthorized access to a corporate server by running a program that enters passwords from a long list of possible passwords. This type of attack is known as a:

- A. forced-entry attack.
- B. denial-of-service attack.
- C. buffer overflow attack.
- D. brute-force attack.

Answer: D

QUESTION 103:

Curtis is creating a new Web site for his company. Which of the following should drive all other development concerns for the company's site?

- A. The site should support one aspect of the company's goals.
- B. The site should replicate the company's product brochure.
- C. The site should support the vision of the company.
- D. The site should expand the vision of the company into new areas.

Answer: C

QUESTION 104:

Kellee wants to determine which areas of her company's Web site attract visitors, and the frequency with which those areas are visited. Which of the following is the best way for her to determine these facts?

- A. Monitor network traffic during peak hours.
- B. Analyze the Web site server logs to measure page access.
- C. Place a hit counter on each page of the Web site.
- D. Call users and ask them which sections of the site they visit often.

Answer: B

QUESTION 105:

You have included a check box on a registration Web page that users accessing your site can select to receive periodic bulk e-mail from your company. What must you include in your bulk e-mail messages to your subscribers?

- A. A section in which recipients can provide feedback about the company
- B. An opt-in option to receive similar messages from related companies
- C. Coupons for product specials that can be printed and redeemed on future purchases
- D. An opt-out option to discontinue receiving the messages

Answer: D

QUESTION 106:

HTML was originally created to:

- A. add color and contrast for variety.
- B. include images in documents.
- C. describe the content of the page.
- D. define the structure of text documents.

Answer: D

QUESTION 107:

You are creating a Web site that uses a gradient fill for all page backgrounds on a site. To ensure that you can see the gradient through the image background, you should:

- A. use JPG images with transparent backgrounds.
- B. use TIF images with transparent backgrounds.
- C. use GIF 89a images with transparent backgrounds.
- D. use GIF 89b images with transparent backgrounds.

Answer: C

QUESTION 108:

Which of the following is the common name for the practice hackers use to trick people into revealing sensitive information?

- A. Identity exploitation
- B. Social engineering
- C. Intellectual deception
- D. Information probing

Answer: B

QUESTION 109:

Marcus is designing a site and wants to use a ready-made template from a Web development application. One consequence of using predesigned templates is that:

- A. they contain business logic that cannot be modified.
- B. they infringe on copyrights.
- C. they interfere with the design process.
- D. they are unlikely to fulfill all design specifications.

Answer: D

QUESTION 110:

Kara is using FrontPage 2003 to build a new Web site. She has just finished creating a template page that contains the layout, fonts and menu items for all other pages in the site, as well as an editable region for each page's individual content. Other members of Kara's design team are using Dreamweaver to also work on the site. What should Kara name this file?

- A. KarasTemplate.tem
- B. Ktem.dwt
- C. KTem.htm
- D. KarasTemplate.asp

Answer: B

QUESTION 111:

Ruthann has hired a Web designer to create an additional site for a new product line that her company has recently added to its collection of bath accessories. The Web designer

has suggested using the style guide that was used for the company's core site. Using a style guide will provide the designer with:

- A. guidelines to standardize appearance and tone.
- B. a fixed template for all pages.
- C. a series of placements for images to create a smooth flow from page to page.
- D. a variety of color schemes from which to choose for each page.

Answer: A

QUESTION 112:

You want to provide your visitors with Web pages that look good and perform well on many browsers and platforms. Accessibility and conformance to W3C standards are critical. Using a WYSIWYG editor, what would be the most appropriate positioning method and font choice for page elements on the site template?

- A. Table layout and relative font sizes
- B. CSS positioning and relative font sizes
- C. CSS positioning and absolute font sizes
- D. Table layout and absolute font sizes

Answer: B

QUESTION 113:

During a project meeting, Anna is explaining the requirements for a development server. Which of the following items should be identical between the development server and the production server?

- A. The manufacturer of the hard disk drive
- B. The operating system configuration
- C. The motherboard chip set
- D. The amount of unused space on the hard disk drive

Answer: B

QUESTION 114:

It is often suggested that a Web design team hire a professional editor. What advantage does the contribution of the editor bring to the site design process?

- A. The editor brings cultural perspectives to the process.
- B. The editor sets the tone, making style guides unnecessary.
- C. The editor is responsible for the accuracy of the information.
- D. The editor ensures that the site is consistent in tone and content.

Answer: D

QUESTION 115:

Brent is creating a client-side script to preload images used in rollovers on his Web site. In order for the images to be preloaded into the browser cache, which JavaScript object should Brent instantiate and point to the location of the needed image?

- A. Image
- B. Img
- C. HREF
- D. RollOver

Answer: A

QUESTION 116:

XML tags must be written:

- A. in uppercase letters only.
- B. in both uppercase and lowercase letters.
- C. consistently in uppercase or lowercase letters.
- D. in lowercase letters only.

Answer: C

QUESTION 117:

Lisa needs to create a rollover image to act as her Web site's navigation buttons. What is the minimum number of images she must use to achieve a rollover effect?

- A. Two
- B. Four
- C. One
- D. Three

Answer: A

QUESTION 118:

You have been given a JPEG image to insert in a page. This image was taken using a high-resolution camera. Which of the following is the primary concern in regard to your Web site's users?

- A. Image download time

- B. Lossy compression issues
- C. JPEG image support of only 256 colors
- D. The pixelated appearance of JPEG images

Answer: A

QUESTION 119:

Which of the following is the minimal requirement for an XML document?

- A. It must be embedded within XHTML code.
- B. It must be delimited.
- C. It must be well-formed.
- D. It must be embedded within HTML code.

Answer: C

QUESTION 120:

Your company often uses bulk e-mail to announce new products. You have been asked to design an HTML page containing a product announcement that will be sent via e-mail.

Which of the following can be used to reduce accusations that your company sends spam to users?

- A. Create a link at the bottom of the e-mail announcement that leads to an opt-out page.
- B. Create an opt-out link at the bottom of the e-mail message, and include the company name and purpose of the letter in the Subject field.
- C. Send a separate e-mail announcement that asks users to forward the previous e-mail message to a salesperson in order to be removed from the company's e-mail list.
- D. Send your message as an attachment to the product announcement e-mail message.

Answer: B

QUESTION 121:

Jay is about to integrate animation into his Web site. He has decided that using shape tweening is the most dynamic technique with which to begin. In using this technique, what must he remember to do?

- A. Include more than one tween on the top layer.
- B. Be careful to use no symbols for objects.
- C. Use a circular pattern, moving objects between locations.
- D. Use interesting symbols for all of the objects.

Answer: B

QUESTION 122:

The structure of a Web site is similar to:

- A. a book.
- B. an organizational chart.
- C. a table of contents.
- D. a Gantt chart.

Answer: B

QUESTION 123:

The primary purpose of a plug-in is to:

- A. take the form of a new user interface to process multimedia files through an encoding application.
- B. identify the version of the user's operating system to determine which multimedia formats are supported.
- C. test the user's browser and upgrade, if needed, to a browser version that supports multimedia formats.
- D. extend the functionality of the user's browser by providing seamless integration of multimedia formats.

Answer: D

QUESTION 124:

Consider the following XML code:

```
<?xml version="1.0"?>
<Letter>
<date>January 28, 2006</date>
<Address>
<to>
<name>Mr. Harold Gray</name>
<title>President</title>
<company>Gray Industries</company>
</To>
236 Washington Boulevard, Suite 480
Grover, CA 90000
</Address>
```

The preceding code will not work properly. Which of the following describes the reason for this?

- A. The code was created by a proprietary application.

- B. A tag has been inconsistently formatted.
- C. XML tags cannot use uppercase letters.
- D. The Date field is not specified correctly.

Answer: B

QUESTION 125:

Some of your site's users have called to complain that they do not understand the policy for shipping charges. Initially, the Web team created a pop-up window that appears at the point of purchase, designed to explain the shipping charge policy. Why did some of these users fail to get this message?

- A. Because newer browsers have automatic pop-up blockers
- B. Because antivirus software blocked the pop-ups
- C. Because firewalls blocked the server-side scripts that create pop-ups
- D. Because firewalls blocked the client-side scripts that create pop-ups

Answer: A

QUESTION 126:

During a project meeting, Eric explains the need for a development server to host the company's new Web site during development. Eric's IT co-workers want to know who will have access to the development server. What should Eric tell them?

- A. The development server will be accessible to all members of the organization as well as the public.
- B. The development server will be accessible to all members of the organization in order to obtain their suggestions on the development of the Web site.
- C. The development server will be accessible to the development team and to authorized members of the organization.
- D. The development server will be accessible to the public in order to collect public opinion on the development of the Web site.

Answer: C

QUESTION 127:

Which of the following examples of Web site tone on the home page would be most appropriate for the audience indicated?

- A. A formal tone for a children's gaming site
- B. A professional tone for tourists looking for a ski resort
- C. A technical tone for online shoppers of furniture
- D. A conversational tone for teens looking for music

Answer: D

QUESTION 128:

In which of the following formats do graphic files support 24 bits of color information and work well with photographs?

- A. GIF
- B. SVG
- C. BMP
- D. JPEG

Answer: D

QUESTION 129:

Egon is a member of a site development team hired by a skydiving center to establish a Web presence. Of the following specifications, which would best indicate the accessibility, interactivity and search features that Egon recommends?

- A. Architecture specification
- B. Content specification
- C. Design specification
- D. Functionality specification

Answer: D

QUESTION 130:

Which of the following languages is used to update a table in a relational database?

- A. Java
- B. PHP
- C. C#
- D. SQL

Answer: D

QUESTION 131:

You are a member of a Web development team exploring design issues. Which of the following items should you consider first when designing a new site?

- A. Navigational elements
- B. Site map

- C. Information organization
- D. Page layout and structure

Answer: C

QUESTION 132:

Which of the following is an example of structural markup?

- A. `Summary`
- B. `<center>Summary</center>`
- C. `<title>Summary</title>`
- D. `Summary`

Answer: C

QUESTION 133:

Bi-directional text is a function of CSS2. What is the importance of this function?

- A. A Z-axis allows elements to be stacked on a page and displayed in either direction.
- B. Some languages, such as Arabic, can cause documents to render with mixed directionality.
- C. The need for the browser proprietary `<layer>` tag is eliminated.
- D. CSS2 determines the display of paged media.

Answer: B

QUESTION 134:

Diamond is the new Web designer for Comet Designs. She has been asked to design the company Web site for its new corporate customer. She knows the following facts:

The company distributes party goods.

The site will have wide distribution.

The site users are technologically unsophisticated.

What guidelines will help Diamond design an appropriate new site for the audience?

- A. Most site users do not use plug-ins in their browsers.
- B. Most site users still have modem connections with speeds of 56 Kbps.
- C. Site users prefer Flash streaming media plug-ins.
- D. A resolution of 800x600 pixels is the minimum design standard.

Answer: D

QUESTION 135:

You have created a style sheet and applied it to every Web page on your site. After reviewing the updated pages, you notice that not all of the styles implemented by the style sheet were applied to some of the pages. Which of the following is the most plausible reason for this?

- A. Certain styles cannot be rendered the same on all pages.
- B. One style sheet cannot be applied to multiple pages.
- C. Linked styles will be overridden by embedded or inline styles on the page.
- D. Your site uses multiple linked style sheets, which are conflicting with one another.

Answer: C

QUESTION 136:

You have created a design template using Dreamweaver MX 2004 and generated several child Web pages from this original template. What happens if you edit the original template?

- A. The change has no effect on the child pages.
- B. The layer number of each child page increases.
- C. The Z-index of each child page increases.
- D. The child pages reflect the change to the original.

Answer: D

QUESTION 137:

Gordon has been asked to create a focus group to aid in finishing the production of a Web site for the company World Stocks, Bonds and Currency Inc. What should this process definitely include?

- A. Asking the corporate customers for their favorite colors, and then incorporating those colors into a style guide
- B. Choosing at least five individuals who represent the target audience demographic, and then using testers with varying degrees of computer experience to review the site
- C. Creating a set of real-world activities that the company wants to provide to its customers, and then assigning those activities as tasks to accomplish, with step-by-step directions for completing them
- D. Using the bottom-up approach to site development by asking the corporate customers for the type of functionality they expect from the site, and then designing the look and feel of the site around those functions

Answer: B

QUESTION 138:

What is the name for colors that create black when mixed together?

- A. Transitional
- B. Subtractive
- C. Radial
- D. Additive

Answer: B

QUESTION 139:

Certain Web sites are known to be successful. What do these successful Web sites have in common?

- A. They focus on fulfilling unmet needs of Web site consumers.
- B. They all sell books and clothing.
- C. They have created a unique metaphor.
- D. They have published a well-documented mind map of their Web site.

Answer: A

QUESTION 140:

You have been asked to transfer print copy to a Web page. Which of the following is a commonly accepted rule concerning white space in this situation?

- A. A Web page should contain approximately 50 percent less text than a printed page containing the same information.
- B. A Web page should contain approximately 20 percent less text than a printed page containing the same information.
- C. A Web page should contain more than 10 percent white space, but no more than 20 percent.
- D. A Web page should contain less than 10 percent white space at any time.

Answer: A

QUESTION 141:

Lena's boss asks her to develop a site for internal use at their company. What is the scope of this site?

- A. Internet
- B. Extranet
- C. Utilitarian

D. Intranet

Answer: D

Explanation:

Any web site, which is giving service to their local area network users or corporate network users called Intranet. So, Public users or particular external users cannot access this site.

Incorrect answers:

A: Internet - This site is intended for public use and will supply information to all the users.

B: Extranet - This site is intended for known external users (Ex. Customers or suppliers) and will supply information required by those users.

C: Utilitarian - There is no technical word like this.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 9 - Site Implementation Factors.

QUESTION 142:

Which type of administration allows a user running Macintosh to manage a UNIX server in another location?

- A. Browser administration
- B. Parallel interfacing
- C. BBS interfacing
- D. BBS administration

Answer: A

Explanation:

System administrators can use browsers to administer their web server from remote location on any platform. For example, this technology permits administration of a Unix server from a Macintosh computer.

Incorrect answers:

B: Parallel interfacing - Communicating with same operating system PCs using parallel port.

C, D: BBS Interfacing/Administration - Vendor related product. Micro Chip oriented.

Not related to question.

Reference: Prosoft - Design Methodology and Technology - Book -3 - Lesson 32 - HTTP Servers

QUESTION 143:

Alex has designed a graphic containing several words. Why should he choose to save this image file as a GIF rather than a JPG?

- A. The GIF file format is tailored to the Internet, whereas the JPG was developed for storage only.
- B. The file compression features of the JPG format may render the fonts unreadable.
- C. JPGs are about three times the size of GIFs and therefore take more time to render in a browser
- D. JPGs render true color poorly at some screen resolutions, whereas GIFs do not

Answer: C

Explanation:

The two popular image formats for the web are GIF and JPG. These formats have the following two important differences:

1. GIF format files are less in size. So, download is fast. But JPG format files are larger than GIF format file size and will take more time to download.
2. Gif supports only 256 colors. JPG supports millions of colors.

Incorrect answers:

A: Both images are popular in internet..

B: JPG files can be compressed by users. The more compression will degrade the entire image quality not only fonts.

D: Depending on the screen resolutions both images rendering will be affected. (Ex. 16 color resolution).

Reference: Prosoft - Design Methodology and Technology - Book -1 - Lesson 5 - Web Graphics

QUESTION 144:

Sylvie is instructed to create a visually appealing bitmap image for the home page that links to all the other pages. She tests the image and finds that only one hyperlink works. Why?

- A. She targeted the hyperlinks to different pages in the site.
- B. She did not segment the image correctly.
- C. She imported the image as a whole bitmap.
- D. She tested the page with Netscape Navigator.

Answer: C

QUESTION 145:

What feature is offered by Lotus Domino, Allaire ColdFusion, Macromedia Dreamwear Ultradev, and Pervasive Tango 2000?

- A. Animation creation
- B. Three-dimensional rendering
- C. Graphical data generation
- D. Database manipulation

Answer: D

Explanation:

Database provides information storage. The information can be retrieved, in whole or in part, by a program designed to accept requests. Some common products used to store and manipulate database information like Oracle, DB2, MS-Access, Paradox, FileMaker Pro, LOTUS DOMINO, MS-Visual Foxpro, MS Visual Interdev, CGI/PERL, ASP, ALLAIRE COLD FUSION, Primasoft DB-HTML Converter, GDIdb, Sybase Powerbuilder, Sybase SQL Anyware Studio, Macromedia Dreamweaver Ultradev and Pervasive Tango 2000.

Incorrect answers:

A, B, C: You can use software like MS Image composer but you can not create data-driven pages .

Reference: Design Methodology and Technology - Book 3 - Lesson 36 : Databases.
(Tools, Products and Database Programs)

QUESTION 146:

Which technique is referred to as inline scripting?

- A. The physical justification of the script (major routines on the left, and lesser routines indented and on the right)
- B. The use of <SCRIPT> tags in line with the <HEAD> and <BODY> tags.
- C. The addition of the <INLINE> tag within the controlling HTML
- D. The embedding of scripting instructions within certain HTML tags.

Answer: D

Explanation: Any script which is added directly within HTML tag called Inline Script/Style. The benefit of using inline script/style is that you can designate a set of attributes with a single tag.

Ex. Inline Style: <H1 STYLE="color : red; font-size:45pt"> Inline Style Heading</H1>

Ex. Inline Script : <A HREF="welcome.htm"
onfiltered="welcome.gif">Welcome>

Incorrect answers:

A, B: Not related to question

C: There is no <INLINE> tag.

Reference: Prosoft - Design Methodology and Technology - Book1- lesson14 - Cascading style sheets.

QUESTION 147:

Consider the following HTML code example:

Title

<H1>Heading</H1>

```
<UL><L1>1st Item
<L1>2nd Item
</UL>
```

Which of the following choices best explains the difference between XML and HTML?

- A. XML does not allow uppercase letter usage.
- B. XML does not multiple tagged items on the same line.
- C. XML does not allow multiple nested closing tags to follow on the next line.
- D. XML does not allow the inference of tags

Answer: D

Explanation:

In XML pages must be well-formed. When you are viewing HTML pages and if there is any typing mistake or incorrect position of tags still the page will be displayed. But in XML it will be fatal error. This means the page will not appear in the browser. You should follow the below five rules to construct well-formed XML.

- A. Tags cannot be inferred. They must be explicit.. All opening tags must have corresponding closing tags. All closing tags must have corresponding opening tags.
- B. Empty tags require a forward slash(/) character before the closing angle bracket.
- C. All attribute values must be enclosed in single or double quotation marks.
- D. Tags must nest correctly.
- E. Tags are case sensitive and must match each other in every implementation.

Incorrect answers:

A, B, C: Please refer the above rules.

Reference: Prosoft - Design Methodology and Technology - Lesson 31 - Extensible Markup Language (XML)

QUESTION 148:

Which NAME attribute value of the <META>tag helps search engines locate your site by focusing on certain words?

- A. META-WORD
- B. KEYWORDS
- C. <HEADER>
- D. <CONTENT>

Answer: B

Explanation:

Search Engines will look for <META> tagName attribute with value of "KEYWORDS". If it is available then it will take the value of CONTENT attribute.

Keywords value should be separated by spaces or commands.

Example:

<META NAME="KEYWORDS" CONTENT="MICROSOFT, PROSOFT, ORACLE">
(or)

<META NAME="KEYWORDS" CONTENT="MICROSOFT PROSOFT ORACLE">

Incorrect answers:

A: META-WORD - A Meta word is a keyword: value pair, separated by a colon. For example, the title keyword finds values in the titles of web pages, so a search containing the Meta word title: author will return documents with the word "author" in their titles.

YOU CANNOT USE MULTIPLE CONTENTS.

C, D: There is no tag like this in HTML.

Reference: Prosoft Design Methodology and Technology - Book 1- Lesson 13 - Metadata

QUESTION 149:

Which HTML version includes features that improve accessibility for physically challenged users?

- A. HTML 4.0
- B. HTML 2.0
- C. Netscape Explorer
- D. HTML 7.0

Answer: A

Explanation:

HTML 4.0 is providing the following supports:

Style Sheets, Internationalization features (ex., reading from right to left), Accessibility features (e.g., disability issues), Enhanced tables and forms, Scripting and multimedia.

Incorrect answers:

B: HTML 2.0 - The HTML 2.0 includes all the features of version 0 and 1 and Input fields for forms.

C: Netscape Explorer - Not related to question

D: HTML 7.0 - There is no HTML version with this number.

Reference: Prosoft - Design Methodology and Technology - Book 1- Lesson 10 - HTML standards and compliance

QUESTION 150:

Pierre uses the <BODY> tag elements MARGINHEIGHT= "0" and MARGINWIDTH= "0". How will this affect his Web site?

- A. It will create a borderless page structure when viewed with Internet Explorer browsers.
- B. It will create a borderless page structure when viewed with Navigator browsers.
- C. It will create a borderless page structure when viewed with any type of browsers.
- D. It will delete any text from the margins.

Answer: B

Explanation:

To adjust the top and left margins of page, you can use MARGINHEIGHT AND MARGINWIDTH attribute in the <BODY> tag with NAVIGATOR and TOPMARGIN AND LEFTMARGIN attribute in the <BODY> tag with INTERNET EXPLORER.

Example:

NAVIGATOR : <BODY MARGINHEIGHT="0" MARGINWIDTH="0">

Example:

IE : <BODY TOPMARGIN="0" LEFTMARGIN="0">

Incorrect answers:

A: No. For IE you have to use TOPMARGIN and LEFTMARGIN attribute.

C: No. You cannot see the effect in IE.

D: Not related.

Reference: Prosoft - Design Methodology and Technology - Book ! - Lesson 11 - Tables and Page Structure.

QUESTION 151:

Why must a user download the same applet upon each visit to the site?

- A. Java applets have no streaming capability.
- B. Java applets do not retain registry entries.
- C. Java applets do not retain API calls.
- D. Java applets have no caching capability.

Answer: D

Explanation:

Java applets are small java applications. They can run only on browser. Applets are small, fast, multithreaded. But it has two important limitations.

1. No caching capability. This means each time the user visits the site it must be downloaded.
2. No streaming capability. This means entire file must be downloaded before it is functional.

Incorrect answers:

A: True. But question related with download the same applet each time the user visits.

B, C: Applets are nothing to do with registry or API calls.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 35 - Java Applets

QUESTION 152:

Several different layout formats exist. Which is the most commonly used layout format?

- A. Top margin

- B. Distributed left and top margin
- C. Distributed right and top margin
- D. Distributed

Answer: B

Explanation:

When you are browsing several sites you can see some common basic structure like navigation elements on the left, top and bottom margin

Some common layouts are:

1. Left-margin layout(tradition) - Navigation elements are placed on the left side
2. Top-margin layout - Navigation elements are placed on the top of the page.
3. Distributed left-and top margin (most commonly used layout) - Navigation elements some are placed on the left side and some are placed on top of the page.
4. Right-margin layout (less commonly used) - Navigation elements are placed on the right side.
5. Distributed layout (Works well for large sites) - Navigation elements can be placed wherever need.

Incorrect answers:

A: Refer the above layout item no.2

C: No layout mentioned with this name

D: Refer the above layout item no.5

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 2 - Web Page Layout and Elements

QUESTION 153:

Which term is used to describe the process by which a browser approximates a color to the closest browser-safe color it supports?

- A. Color approximation
- B. Color change
- C. Dithering
- D. Default color utilization

Answer: C

Explanation:

When the required color is not available, the browser will attempt to replace the requested color with an approximation composed of two or more colors from the system palette. Dithering may alter the image's appearance. Graphics should be dithered before publishing them in web pages.

Incorrect answers:

A, B, D: There is no term like this.

QUESTION 154:

Which of the following best describes the Document Object Model (DOM)?

- A. The DOM is the interface that the DHTML uses to manipulate HTML and XML documents
- B. The DOM is the hierarchical representation of the objects that form a document, with each element considered an object
- C. The DOM is the modeling of documents using properties and behaviors that exist in the object-oriented programming model.
- D. The DOM is a general set of standards for Web browsing scripting languages.

Answer: A

Explanation:

According to W3C "The Document Object Model is a platform- and language-neutral interface that will allow programs and scripts to dynamically access and update the content, structure and style of documents. The document can be further processed and the results of that processing can be incorporated back into the presented page."

The Document Object Model (DOM) is the DHTML interface that accesses and manipulates HTML and XML documents. DOM also provides logical structure to these documents.

DOM makes it possible for programmers to write applications which work properly on all browsers and servers and on all platforms.

Incorrect answers:

B: DOM is the instance hierarchy of objects. But it is not a best described answer for this question.

C: Nothing to do with object oriented programming.

D: It is not a standard for scripting languages.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 30 - Dynamic HTML

QUESTION 155:

Pierre runs a help desk within a legal research firm. He is excited about the use of XML in the conversion of documents to the company intranet.

Why will this process be a tremendous aid to the desk staff?

- A. XML provides a consistent look with the use of procedural markup.
- B. XML enhances the efficiency of word searches through custom tags
- C. XML provides automatic document conversion services.
- D. XML enhances efficiency of word searches through key words in the <META> tag

Answer: B

Explanation:

XML provides users the ability to define their own set of markup tags. The great advantage of using more specific structure and defining content will come from the ability to make much more refined searches across data. With this advent of XML, searches engines will be more directly targets searches, enhancing the precision of the results.

Incorrect answers:

A, C, D: Incorrect explanations about XML.

Reference:

Prosoft Design Methodology and Technology - Book 3 - Lesson 31 - Extensible Markup Language Markup Language (XML)

QUESTION 156:

What is one major advantage that a table-structured site has over a frames-structured site?

- A. Ease of bookmarking
- B. Speed
- C. Constant accessibility of left-margin navigator elements
- D. Low cost

Answer: A

Explanation:

The User can easily bookmark the page or add it to the Favorites folder. This is the great advantage over frames.

Incorrect answers:

B: Speed - Not related.

C: Constant accessibility of left-margin navigator elements is advantage of frames. The disadvantage of tables that all the page content scrolls together.

D: Low Cost - Not related.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 11 - Tables and Page Structure

QUESTION 157:

Consider the following HTML code example:

```
<Title>Document Imaging</Title>
```

```
<BODY>
```

```
<CENTER><B>Document Imaging Overview</B></CENTER>
```

Document Imaging is an ever-increasing process happening daily in the marketplace. This article will cover the three main elements needed to efficiently create an imaging solution, hardware, software, and process. <P>

```
<H2>Hardware</H2>
```

```
</BODY>
```

What is a potential problem with the output of this code?

- A. The implicit structure by use of procedural markup
- B. The use of incorrectly ordered heading tags
- C. The varied letter case usage throughout the code
- D. The explicit use of bolted tags within the code

Answer: B

Explanation:

HTML document structure can be divided in two main parts: the head, which containing information about the document and the body, which contains the part of the document to displayed in a browser.

HTML Document Structure

<HTML>

<HEAD>

Elements related to document head (ex: <TITLE> sample </TITLE>)

...

...

</HEAD>

<BODY>

Elements related to document body (ex : Click here)

</BODY>

</HTML>

Incorrect answers:

A, C, D: Improper definition about HTML and its functions. Question is very basic and simple.

QUESTION 158:

Alex changes every instance of the text-decoration underline style in his Web site to text-decoration: none. How will this affect his site?

- A. It will yield search engine hits
- B. It will remove each instance of text
- C. It will remove the underline from designated elements
- D. It will increase the height of banners, thus increasing advertising income

Answer: C

Explanation:

Multiple and overlapping style definitions that control the appearance of HTML elements are called Cascading Style Sheets (CSS). It has got four ways to apply style variations.

1. Linking to style sheets from an HTML file - External style sheets -Which allow you to use styles across multiple web pages. (External file extension is .CSS)

Example:

<LINK REL=STYLESHEET TYPE="text/css" HREF=

`http://www.domainname.com/style.css>`

The above style sheet file should include only style information.

2. Importing style information - External style sheets - Which allow you to use styles across multiple web pages. (External file extension is .css)

Example:

```
<STYLE TYPE="text/css">
@import url(http://www.domainname.com/style.css);
H1 {color: red }
</STYLE>
```

This method is alternative to the first method. It will not function properly in Netscape Navigator

3. Embedding style information - Defines styles for a single page. The simplest method to use styles.

Example:

```
<HTML>
<HEAD>
<STYLE>
<!--
BODY { font-family : Arial ; color : green }
-->
</STYLE>
</HEAD>
```

.

..

4. Inline Style - Style attributes can add definitions to html tags.

Example:

```
<H1 STYLE="color : yellow; font-size:25pt"> Prosoft </H1>
```

Important List of changeable style elements:

color : blue - Set font color

background : green - Set background color

font: bold 28pt "Times New Roman" - Sets the three important attributes of a font.: the weight(bold, normal or light), the size (in points), and the font name.

Font-size: 48pt - Sets text character size

text-decoration: underline - Add underline

text-decoration: none - remove underline (Related with this question)

text-align : center - Specifies horizontal alignment of any given text element.

Incorrect answers:

A, B, C: Not at all related with style sheets.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading Style Sheets

QUESTION 159:

Consider the following XML code example:

```
<xml version= "1.0">
```

What error in the code will prevent this page from rendering in the browser?

- A. Missing <META> tag
- B. Missing double dashes for comments
- C. Missing closing tag
- D. Missing question marks

Answer: D

Explanation:

There is an error in XML declaration statement. The question mark is missing from XML declaration statement which will prevent this page from rendering in the browser.

Example:

```
<?xml version="1.0"?>
```

Note: The opening <?xml?> declaration statement is considered optional. But it is highly recommended for forward compatibility. Also it will be helpful for browsers to know which version of the XML specification was used. All XML declaration must be lower case.

Incorrect answers:

A, B: Not related with question.

C: It is a XML declaration statement. Not a tag.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 31 - Extensible Markup Language (XML)

QUESTION 160:

Manabu has entered a contest at a vacation-giveway site. Every day that he visits that URL, he immediately sees his personalized page displaying the current contestant results. One day when he enters the URL, he does not see the personalized page. Which of the following is the most portable reason?

- A. The cookie on his browser expired
- B. The CGI script failed
- C. The site is currently not functioning
- D. The personalized page has been redirected

Answer: A

Explanation:

Cookies are small text files. Cookies are sent from server to a browser to store information on a user's computer. A server can send maximum 20 cookies to a user's computer, and a user can store maximum 300 cookies.

Cookies are sent from a server to the user's browser in the HTTP response header.

Cookies can expire when user leaves the page or it can be set to expire on a particular date. Cookie header contains a set of following parameters.

1. name=value - Information required to generate cookie. All other parameters are optional.

2. expires=date - Set expire date for cookie. If this attribute not present cookie will expire end of the browser session.

3. path=path; domain=domain - It contains the path and domain name of the URL.

4. secure - If this present, secure protocol such as SSL must present.

Incorrect answers:

B: To personalize a page cookie is required. Not CGI.

C: The site is functioning properly. Because, cookie expired he got the common page instead of personalized page.

D: If the personalized page redirected, he might have got the message on the screen that this page has been redirected to particular URL and he will not be confused. For this scenario the most portable reason is the cookie has been expired, which is not monitored by any users.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 33 - Cookies

QUESTION 161:

HTML version 4.0 has three variants: HTML 4.0 Strict, HTML 4.0 Frameset, and what?

HTML 4.0 Utilitarian

HTML 4.0 Transitional

A. HTML 4.0 Standard

B. HTML 4.0 Basic

Answer: B

Explanation:

HTML version 4.0 is specified in three variants.

1. HTML 4.0 Transitional

2. HTML 4.0 Strict

3. HTML 4.0 Frameset

HTML 4.0 Transitional is supports new technologies like style sheets. But it will support old browsers that cannot read them.

HTML 4.0 Strict is supports only the features of HTML 4.0. The document should be clean. You cannot use any deprecated tags. HTML 4.0 strict supports cascading style sheets.

HTML 4.0 Frameset - If you want to use frames to partition the browser window.

Incorrect answers:

A, C, D: There is no variants like this. Only the above three variants.

QUESTION 162:

Sara has just converted all her old Excel files to Microsoft Access. She wants her site users to be able to access subsets of the data she now has in her database. What should Sara do to accomplish this?

- A. Pre-organize the data in static subsets
- B. Create queries for dynamic data retrieval
- C. Create new table for multiple data display
- D. Create dynamic table generation

Answer: B

Explanation:

Database provides information storage. The information can be retrieved, in whole or in part, by a program designed to accept requests. Some common products used to store and manipulate database information like Microsoft Access. The information on the database can be accessed using a query. The query provides information from the database. It can be static or dynamic. Structured Query Language (SQL) is the one of the best query language.

Incorrect answers:

A, C, D:

Question is very simple. This options are making no sense to access the database.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 36 - Databases

QUESTION 163:

Lashonda is concerned about compatibility issues between the variety of browser types among her at-homes sales staff, and the custom retrieval of data off the Web server. How could JSP or ASP help in this scenario?

- A. By providing Java-based executable on the client side
- B. By providing script interpreters within the JVM on the client side
- C. By providing script execution on the server side
- D. By providing CGI-bin notification on the server side

Answer: C

Explanation:

JSP (Java Server Pages) and ASP (Active Server Pages) are enable data and applications to be run on the server. Since the above scripts are run on the server, it makes no difference which browser is making request.

When a client requests a page (retrieval of data), server process the JSP or ASP code and produce result in HTML format than sends the result to the client.

JSP can run on multiple platforms. ASP will run effectively only on Microsoft IIS, although it can be ported to other platforms.

Incorrect answers:

A, B: JSP and ASP technologies can run on server only.

D: CGI is not related in this question.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 32 - HTTP Servers

QUESTION 164:

Lashonda wants to use an emerging standard that combines Extensible Markup Language and Hypertext Markup Language. What is this markup language called?

- A. XTMML 1.4
- B. HTML-X
- C. JavaBeans
- D. XHTML

Answer: D

Explanation:

XHTML stands for Extensible Hyper Text Markup Language. It combines HTML and XML to create a transition from HTML toward XML.

According to www.w3.org :

"XHTML is a family of current and future document types and modules that reproduce, subset, and extend HTML4 [HTML]. XHTML family document types are XML based, and ultimately are designed to work in conjunction with XML-based user agents. The details of this family and its evolution are discussed in more detail in the section on Future Directions.

XHTML 1.0 (this specification) is the first document type in the XHTML family. It is a reformulation of the three HTML4 document types as applications of XML 1.0 [XML]. It is intended to be used as a language for content that is both XML-conforming and, if some simple guidelines are followed, operates in HTML4 conforming user agents.

Developers who migrate their content to XHTML 1.0 will realize the following benefits:

- * XHTML documents are XML conforming. As such, they are readily viewed, edited, and validated with standard XML tools.
- * XHTML documents can be written to to operate as well or better than they did before in existing HTML4-conforming user agents as well as in new, XHTML 1.0 conforming user agents.
- * XHTML documents can utilize applications (e.g. scripts and applets) that rely upon either the HTML Document Object Model or the XML Document Object Model [DOM].
- * As the XHTML family evolves, documents conforming to XHTML 1.0 will be more likely to interoperate within and among various XHTML environments.

The XHTML family is the next step in the evolution of the Internet. By migrating to XHTML today, content developers can enter the XML world with all of its attendant benefits, while still remaining confident in their content's backward and future compatibility. "

Incorrect answers:

A: XTMML stands for eXcel Table Markup Language. XTMML will allow you to maintain your tables in Microsoft Excel, then quickly and easily produce the HTML code required to publish the data on the web.

B: There is no markup language called HTML-X

C: JavaBeans - Developing server side component in java. XML JavaBeans is the growing technology.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 31 - Extensible Markup Language (XML)

QUESTION 165:

You can divide the file size by the connection speed to calculate an estimate of what?

- A. The amount of time required to download a Web page
- B. The hard drive space required to store a Web page
- C. The database requirements for a Web site
- D. The time required to upload user information to a Web page

Answer: A

Explanation:

Web users demand speed. Users become frustrated if they must wait to see parts of the site, and they may move on to another site rather than be patient. Designers have to fulfil this demand by designing pages of limited size.

File size, connection speed is needed to calculate the amount of time required to download a web page. File size may be in KB (Kilo Bytes). It has to be converted into bits.

Note: 1 kb=1024 bytes & 1 byte = 8 bits.

Example:

Page size 8KiloBytes (inclusive all elements like HTML, embedded objects eg.,GIF and JPG).

$8 * 1024 * 8 = 65536$ bits

Connection Speed : 56KiloBits/sec (56000 bits)

$65536 / 56000 = 1.17$ seconds.(Amount of time required to download)

Incorrect answers:

B, C, D: Not related to question.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 2 - Web Page Layout and Elements - (Speed - Scrolling)

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 9 - Site Implementation Factors (Calculating Download Times)

QUESTION 166:

On a computer monitor, two color guns are fired. One gun is red and one is green. Which of the following colors would be produced?

- A. Brown
- B. Black
- C. Yellow

D. Purple

Answer: C

Explanation:

Basically computer monitors using three electron guns to display color. Each gun is responsible for single color : Red, Green or Blue.

Fired Guns Produced Color

Red, Green, Blue White

Red, Green Yellow

Green, Blue Cyan

Red, Blue Magenta

Incorrect answers:

A, B, C: Not included in the above basic color combination table.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 2 - Web Page Layout and Elements - (Basic color combinations)

QUESTION 167:

Multiple and overlapping style definitions that control the appearance of HTML elements are called what?

- A. Core sheets
- B. Style sheets
- C. Cascading style sheets
- D. Overlapping style sheets

Answer: C

Explanation:

Multiple and overlapping style definitions that control the appearance of HTML elements are called Cascading Style Sheets(CSS). It has got four ways to apply style variations.

1. Linking to style sheets from an HTML file - External style sheets - Which allow you to use styles across multiple web pages. (External file extension is .css)

Example:

```
<LINK REL=STYLESHEET TYPE="text/css" HREF=  
http://www.domainname.com/style.css>
```

The above style sheet file should include only style information.

2. Importing style information - External style sheets - Which allow you to use styles across multiple web pages. (External file extension is .css)

Example:

```
<STYLE TYPE="text/css">  
@import url(http://www.domainname.com/style.css);  
H1 {color: red }  
</STYLE>
```

This is method is alternative to the first method. It will not function properly in Netscape

Navigator

3. Embedding style information - Defines styles for a single page. The simplest method to use styles.

Example:

```
<HTML>
<HEAD>
<STYLE>
<!--
BODY { font-family : Arial ; color : green }
-->
</STYLE>
</HEAD>
```

...

4. Inline Style - Style attributes can add definitions to html tags.

Example:

```
<H1 STYLE="color : yellow; font-size:25pt"> Prosoft </H1>
```

Incorrect answers:

A: Core Sheets - Nothing like this.

B, D: Style Sheets - Multiple and overlapping style definitions in a single document called Cascading style sheets not as style sheet or overlapping style sheets.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading Style Sheets

QUESTION 168:

Which one of the following choices describes an example of multithreading?

- A. Running Excel while running a Java applet in a browser
- B. Opening three applications in separate Windows
- C. Handling user interaction and computation with one applet at the same time
- D. Calling a process with VBScript and then invoking a Java applet

Answer: C

Explanation:

Java applets are small java applications. They can run only on browser. Applets are small, fast, multithreaded.

Multithreading allow more than one thread of execution. Each thread is a separate process within a document. One thread might handle user interaction while another thread doing some computations.

Joystick functions are great example of multithreading.

Incorrect answers:

A, B, C: This is called as MULTITASKING not multithreading.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 25 - Java Applets

QUESTION 169:

Which of the following should the web site developer use to test a site for usability?

- A. One or two people
- B. Other design team members
- C. Other developers
- D. People with little or no exposure to the site or even the Internet

Answer: D

Explanation:

Usability test is the only way to achieve maximum site usability. Usability test will provide an objective view of the site to the developer. The developer should test the site effectiveness with users who have little or no exposure to the site and, if possible, the Internet.

Incorrect answers:

A: Test pool can range from five to as many as you can accommodate.

B, C: Testing the site with other design team members or other developers is inconclusive.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 3 - Usability Testing

QUESTION 170:

Which of the following Is the easiest way to handle a client browser that does not contain the Flash plug-in?

- A. The JavaScript utility that tests for the plug-in can send a message to the client that suggests the user returns after obtaining the plug-in
- B. The JavaScript test should redirect the client to non-Flash pages within the web site.
- C. The utility should pop open a box that offers to connect the client to the Flash site to obtain the plug-in
- D. The utility should offer to download the plug-in.

Answer: B

Explanation:

JavaScript is an extension to HTML. It is a scripting language. It is useful for web designers to manipulate the web page elements simply and easily. JavaScript is object-based, not object oriented. Through JavaScript communication with user is very simple.

JavaScript can be used for browser and plug-ins detection.

Incorrect answers:

A, C, D: Using JavaScript plug-ins can detected. In case, plug-ins not available giving the message or redirecting to Flash web site to download plug-ins is easy. But the easiest

way and best web site design is to redirect the user to non-flash pages using JavaScript.

Note: Client browser should be JavaScript enabled to test and redirect.

Reference: Prosoft - Design Methodology and Technology - Book 3 - Lesson 29 - JavaScript Fundamentals.

QUESTION 171:

Which element will either increase or decrease connection speed to your Web server?

- A. Hard drive space
- B. Operating system
- C. Virtual memory
- D. Bandwidth

Answer: D

Explanation:

The connection speed between Internet and Web Server called Bandwidth. If the bandwidth is more available, the faster users can access your web site. Slow bandwidth will affect the web page (with graphic files) rendering time on the browser.

Incorrect answers:

A, B, C: Hard drives space, Operating System and Virtual memory is not an element of connection speed. But note the following benefits:

1. Defragmenting the hard disk will slightly increase download speed.
2. Tunning (Making proper setting) the OS will increase download speed.
3. Increase the Virtual memory size will increase download speed.

Reference: Prosoft - Design Methodology and Technology - Book 3 - Lesson 39 - Web Site Publishing.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 5 - Web Graphics

QUESTION 172:

XML's flexibility dependent on which one of the following?

- A. Server capacity
- B. HTML compatibility
- C. Server-side development
- D. Browser development

Answer: D

Explanation:

XML's flexibility dependent on browser development. Currently, Microsoft Internet Explorer 5.0 natively supports XML pages. Netscape committed that its version 6.x will

natively support XML support.

Incorrect answers:

A, C: Server capacity or Server-side development is not an issue in this question.

B: HTML and XML are separate and different. HTML is display. XML is content. XML is not HTML

Reference: Prosoft - Design Methodology and Technology - Book 3 - Lesson 31 - Extensible Markup Language (XML)

QUESTION 173:

Which HTML attribute should you include in your Web pages so that users who have disabled the image-viewing capability on their browsers can still use your site?

- A. IMG
- B. GIF
- C. ALT
- D. XML

Answer: C

Explanation:

The ALT attribute provides alternative text in place of an image when the user disabled the image-viewing capability. User can read the image name or description while image loads. Also you can see as pop-up tool tip when you are moving the mouse on the image.

Example:

```
<IMG SRC="CIWLOGO.GIF" ALT="CIW LOGO">
```

Incorrect answers:

A: IMG - Not an attribute. is a tag used to insert an image on the page. tag attributes are SRC, ALT, ALIGH, HEIGHT, WIDTH, BORDER, HSPACE, VSPACE, USEDMAP, ISMAP.

B: Gif - Not an attribute. Gif stands for Graphics Interchange Format. Gif is a platform-independent file that is limited to a display of 256 colors.

C: XML - Not an attribute. XML stands for Extensible Markup Language.

- XML is derived from the Standard Generalized Markup Language (SGML).

- XML is a meta-language.

- Programmers can define their own set of tags.

- XML documents must be well formed. This means any single error on the page will prevent the page display. (also called fatal error)

- All attribute values must be enclosed in single or double quotation marks.

- All opening tags must have corresponding closing tags. Tags cannot be inferred.

- Tags are case sensitive.

- Empty tags require a forward slash(/) character before the closing angle bracket.

- Tags must nest correctly.

- Currently IE 5.x & Netscape Navigator 6.x natively supports XML.

Reference:

Prosoft Design Methodology and Technology - Book 1- Lesson 5 - Web Graphics.

Prosoft Design Methodology and Technology - Book 3 - Lesson 31 - Extensible Markup Language(XML).

Prosoft Design Methodology and Technology - Book 3 - Appendix-15 - Table 15 - HTML elements and attributes.

QUESTION 174:

Chiako knows that Dreamweaver 3.0 supports user-input forms. What does Dreamweaver not support?

- A. Browser-side extensions
- B. Server-side extensions
- C. Browser-side processing
- D. Server-side processing

Answer: D

Explanation:

Using Dreamweaver 3.0, web designers can easily create user input-forms. But Dreamweaver does not offer any server-side form processing means you cannot store any data in server and retrieve it for any process.

Incorrect answers:

A: Basically, browser supports HTML. Other than that browser will support JavaScript, VBScript. This is called Browser-side extensions.

B: Internet Information Server (IIS Ver.5.0) will natively support ASP. Also it will support PHP with some additional software installed. This is called Server Side Extension.

C: Whatever process done in client side called browser-side processing. For example, using JavaScript designer can validate the form inputs from the user at client side itself.

Reference: Prosoft Design Methodology and Technology - Book 2 - Lesson - 20 - Design Methodology and Technology.

QUESTION 175:

Consider the following URL:

<http://www.companyname.com/marketing/newproducts/pricing>

Which of the following information is located in the first subdirectory under the main home page?

- A. Pricing
- B. New products
- C. Marketing
- D. Company name

Answer: C

Explanation:

Web sites are structured in hierarchical format. Browser needs to find a given web page using a Uniform Resource Locator (URL).

Example of PC directory structure & Web server directory structure

PC Web Server

C:\ http://www.companayname.com

C:\marketing http://www.companayname.com/marketing

C:\marketing\newproducts http://www.companayname.com/marketing/newproducts

C:\marketing\newproducts\pricing.htm http://www.companayname.com/marketing/newproducts/pricing

Marketing is the first subdirectory under the main homepage of

http://www.companayname.com

Incorrect answers:

A: Pricing - It is a html file of the newproducts subdirectory.

B: NewProducts - It is a subdirectory of marketing subdirectory.

D: companayname - It is a root directory.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 4 -

Navigation Concepts

QUESTION 176:

Web interactivity is a required characteristic for which type of web site?

- A. E-commerce
- B. Informational
- C. Intrinsic
- D. Advertising

Answer: A

Explanation:

Web site characteristics vary depending on whether the site is used for informational purpose or for e-commerce.

Important site characteristics

1. Web Interactivity - E-business sites require interactivity
2. Web Presence - Important for Informational web site as well as E-commerce site.
3. Navigation - Important for Informational web site and Crucial for E-commerce site
4. Advertising - Two aspects: promoting the web site and opening site to outside advertisers.
5. Database Integration - Required for e-commerce site.

Incorrect answers:

B: Informational web sites are optional for web interactivity.

C: Web presence gives the user an intrinsic impression of the organization.

D: Advertising - E-commerce sites can get advantage of advertisements.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 9 - Site implementation factors.

QUESTION 177:

Mohammad has a DSL connection. He prefers the delivery provided by the RealNetworksRealPlayer to the downloadable files he previously ran in QuickTime. Why?

- A. The smooth playback of the file
- B. The file size upon download
- C. The streaming delivery
- D. The absence of virus risk

Answer: C

Explanation:

RealPlayer allows the browser to play audio and video in streaming delivery. Realplayer uses streaming technology and begins playing the file as soon as it connects to server. Before streaming technology, the user had to download the entire audio or video file to be played.

Incorrect answers:

A, B: Smooth playback of the file is not a concern here. Normally audio and video files are large size. It will take time to download and play. Here you need an alternative technology to make it quick. Streaming technology is the best solution.

D: Not related to question.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 34 - Downloadables and Plus-Ins.

QUESTION 178:

Sara is using Brush Script font on her web page. Manabu loads the page on his PC, but Brush Script font is not registered on his system. Which one of the following choices best describes what Manabu will see?

- A. The text will not appear
- B. The Chicago font will appear
- C. The default font for Manabu's browser will appear
- D. An error message will appear, directing Manabu to install the font before he can view the page

Answer: C

Explanation:

Fonts are necessary component to any website. Normally, two fonts (Times New Roman & Arial) are used frequently on the Internet. Technologies such as dynamic and embedded font are emerging to offer more choices.

But there is a limitation. Whatever fonts used on the site should be available (registered) on the user machine as well. If not, the user browser will render its default font.

Incorrect answers:

- A: The browser will render its default font.
 - B: The Chicago font will appear on Mac as a default font, not in PC.
 - D: There will be no error. It will prompt, if the particular font is available for download.
- Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 2 - Web Page Layout and Elements.

QUESTION 179:

Which one of the following choices best describes the nature of the Internet?

- A. Passive and capable of one-to-one relationships
- B. Passive and uses the same concepts as mass media
- C. Transactional and capable of one-to-one relationships
- D. Linear

Answer: C

Explanation:

The nature of the Internet is Transactional, capable of one-to-one relationships, and non-linear.

Transactional means, the user, sending request through web browser, and web server responds called transactions.

Internet users can get better information and product offering according to their needs. Also they can decide what information they want and when. This makes Internet as one-to-one medium as opposed to a broadcast medium.

Incorrect answers:

- A: Passive is wrong. Mass media is mostly passive.
 - B: Passive is wrong. Mass media is mostly passive.
- Mass media concepts is require different strategy than creating information for the Internet.
- D: By nature Internet is non-linear. Users can visit multiple sites and make transactions any time they choose.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 1 - Overview of Design Concepts.

QUESTION 180:

Consider the following HTML tag:

`<FRAMESET ROWS= "150.*">`

In this example, the * symbol is known as what type of character?

- A. Frame
- B. Sizing
- C. Default
- D. Wildcard

Answer: D

Explanation:

Web designer can use a wildcard character(*) in HTML Frame.

Example:

<FRAMESET ROW="80,*">

In the above example the first row is 80 pixels high and the second row uses the remaining spaces in the browser window.

Incorrect answers:

A: Frame - Separate panes in the browser window called frames.

B: Sizing - Frame sizes express in percentages is called "Relative sizing" and in pixels is called "absolute sizing".

C: Default - Pre-defined setting/value called default. It can be changes by others.

Reference:

Prosoft Design Methodology and Technology - Book 1 - Lesson 12 - HTML Frames

QUESTION 181:

A combination of scripts, styles and HTML objects that provides web site interactivity is best described as which of the following?

- A. XML
- B. HTML
- C. Flash
- D. DHTML

Answer: D

Explanation:

DHTML is not a single language. DHTML is combination of Scripts (JavaScript or VBScript), Document Object Model (DOM) and HTML with Styles (working together).

Web designers can create more interactive pages using DHTML technology.

DHTML also offer an alternative to server-side technologies such as ASP. It provides dynamic content tot the browser rather than the typical static HTML.

Netscape and Microsoft have their own development of DHTML, which is disadvantage of browser support.

Incorrect answers:

A: XML provides users the ability to define their own set of markup tags. The great advantage of using more specific structure and defining content will come from the ability to make much more refined searches across data. With this advent of XML, searches engines will be more directly targets searches, enhancing the precision of the results.

B: HTML stands for Hyper Text Markup Language. Distributing non-linear text called Hypertext. HTML is a cross-platform language.

C: Flash offers dynamic features such as compresses file sizes, media-rich content and

streaming delivery. Basically, flash combines four elements that define its functionality: vector graphics, streaming capability, a timeline and layers.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 30 - Dynamic HTML

QUESTION 182:

Which one of the following HTML tags is a container tag that allows you to define regions in your browser that will contain individual files or frames?

- A. <TABLESET>
- B. <FRAMEWINDOW>
- C. <FRAMESET>
- D. <REGION>

Answer: C

Explanation:

The <FRAMESET> tag is container tag that allows you to define regions in your browser that will contain individual files or frames. <FRAMESET> requires an attribute of either COLS or ROWS to designate the number and size of columns or rows in a browser.

Ex for COL: <FRAMESET COLS="25%,75%">

Ex for ROW: <FRAMESET ROWS="150",*">

Incorrect answers:

A, C, D: There is no tag in HTML like this. Very simple question.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 12 - HTML Frames

QUESTION 183:

The three main HTML tags used to create tables are <TABLE>, <TD>, and what?

- A. <TR>
- B. <TT>
- C. <TABLE SET>
- D. <SET TABLE>

Answer: A

Explanation:

The table element creates tabular data. The structure and content of the table are defined by additional elements that can appear only inside the TABLE.

The three main HTML tags used to create tables are <TABLE>, <TD> AND <TR>

<TABLE> - Create an HTML tables. Attributes are ALIGH, WIDTH, BORDER, CELSPACING and CELLPADDING.

<TD> - Inserts table cell information. Attributes are NOWRAP, ROWSPAN,

COLSPAN, ALIGH, VALIGH, WIDTH and HEIGHT.

<TR> - Defines a table row. Attributes are ALIGH and VALIGN

Incorrect answers:

B: <TT> - Typewriter style using a mono-spaced font.

C, D: There is no HTML tags like this.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 11 - Tables and Pages Structure

Reference: Prosoft Design Methodology and Technology - Book 3 - Appendix-18 - HTML elements and attributes.

QUESTION 184:

Manabu visits his corporation's technical library. He is looking for a book of rules, guidelines, and examples of usage that he can use to prepare text for publication, and examples of usage that he can use to prepare text for publication on the corporation's web site. Which book or manual should Manabu use?

- A. A style guide
- B. A cascading style book
- C. The W3C manual of RFCs
- D. A web resource guide

Answer: A

Explanation:

A Style Guide is a standards document or manual that established a set of conventions or rules for performing common tasks. It is often used by technical writes for general information, font sizes and type.

Web designers also frequently using style guide to get guidelines for creating effective web pages.

Style guide may include the following some topics:

- Default body text styles,
- Default background images or colors
- Rules for heading levels
- Preferred methods for emphasizing test
- Guidelines for use images and logos
- Templates for standard pages
- Guidelines for using navigation links and image maps.

Incorrect answers:

B: A cascading style book may contain information about CSS only.

C: The W3C manual of RFC (Request for comments) - RFCs are created to collect information on all types of Internet-related issues.

D: A web resource guide - This guide may contain some available web resources for reference like interesting web sites URL, tips from script developers and site administrators.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading style sheets.

QUESTION 185:

Pierreplans to use his company's product name in the web site name, as well as frequently on its web pages. How will this help users find his site?

- A. By increasing relevance to search criteria
- B. Backup and recovery resulting in his site being registered
- C. By creating a <META> tag for the company site
- D. By making the site appear in all directories

Answer: A

Explanation:

Search results are based on relevance given to search criteria. Among searches and search engines, relevance varies.

Some common characteristics

*** Titles - First step is search engine will scan <TITLE> tag in HTML file to look for words that match the query.

*** Beginning content - Second step is search engine will scan top of the document and look for the word(s) in the content.

*** Frequency - Third step is search engine will look for frequency of the query word(s), assuming that the more times a word appears. [Related to this question]

From the above we can understand that search engines indexes sites to different levels, at different frequencies, then uses some propriety steps to create relevance.

Incorrect answers:

B: Not at all related to this question.

C: Web designer can use <META> tags to address particular information about a web page. <META> tag does not affect the page appearance. It is an element of Header. It can provide information about Author, Expiration date, Keywords to be used by search engines.

<META> tags not used by all search engines. Also using <META> tag alone will not help users to find the site.

D: It is based on manual submission. Still site topic relevant is very important, which will be verified by Directories.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata

QUESTION 186:

A slight difference exists between the Microsoft Windows system palette and the Netscape navigator browser palette. What is the difference?

- A. The Windows system palette uses 216 colors, whereas the navigator browser palette

uses 256 colors.

B. The Windows system palette uses 256 colors, whereas the navigator browser palette uses 216 colors.

C. The Windows system palette uses 255 colors, whereas the navigator browser palette uses 256 colors.

D. The Windows system palette uses 256 colors, whereas the navigator browser palette uses 255 colors.

Answer: B

Explanation:

Each image will have its own selection of 256 colours among millions of color available. This information stored in table and defines the color of each pixel. This table called as palette in Windows.

Microsoft Windows uses a 256 color palette. Netscape navigator uses a 216 color palette. So, there is slight difference between them.

Incorrect answers:

A: Windows system palette is 256 colors not 216 colors and Netscape navigator browsers uses 216 colors palette not 256 colors..

C: Windows system palette is 256 colors not 255 colors and Netscape navigator browsers uses 216 colors palette not 256 colors.

D: Navigator browsers uses 216 colors palette not 255 colors.

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 5 - Web Graphics

QUESTION 187:

Chiako wants to change the color of the text on her web page to red. She enters the RGB value for red into her page-authoring program. Which one of the following choices is the RGB value for the color red?

A. 255, 0, 0

B. 0, 255, 0

C. 0, 0, 255

D. 0, 0, 256

Answer: A

Explanation:

Color playing important role in the designing of web pages.

Colors are standardized in two numeric format:

- RGB (Red, Green and Blue)

- Hexadecimal code

RGB values are ranging from 0 to 255. RGB value is a 24-bit coloring scheme (8 bits for Red, 8 bits for Green and 8 bits for Blue)

Example:

<BODY BGCOLOR="255,0,0">

Hexadecimal code values are ranging from 00 to FF.

00 - No presence of a color

FF - Maximum presence of a color

Example:

<BODY BGCOLOR="00FF00">

Important color values:

Red - RGB - 255,0,0 HEX FF0000

Green 0,255,0 00FF00

Blue 0,0,255 0000FF

Black 0,0,0 000000

White 255,255,255 FFFFFFFF

Note:

Web designer should use hexadecimal values exclusively to comply with Strict HTML.

Incorrect answers:

B: 0,255,0 - RGB value for Green color

C: 0,0,255 - RGB value for Blue color

D: 0,0,256 - Invalid color

Reference: Prosoft - Design Methodology and Technology - Book 1 - Lesson 2 - Web Page Layout and Elements

QUESTION 188:

Which HTTP-EQUIV attribute value controls the page cache to the browser folder?

A. <META>

B. SET_COOKIE

C. PRAGMA

D. WINDOW-TARGET

Answer: C

Explanation:

Web designer can use <META> tags to address particular information about a web page.

<META> tag does not affect the page appearance. It is an element of Header. Basically, web browsers are using HTTP protocol to communicate between client and server. When client send the request server response to that. The initial data in that response is called HTTP header block. This header gives the useful information for displaying the page.

<META HTTP-EQUIV> tags can be used to control the function of web browsers.

When you load the page first <META> tags will be applied.

Example: 1

<META HTTP-EQUIV="PRAGMA" CONTENT="NO-CACHE">

(or)

<META HTTP-EQUIV="PRAGMA" CONTENT="NO-STORE">

(or)

<META HTTP-EQUIV="PRAGMA" CONTENT="PUBLIC">

(or)

`<META HTTP-EQUIV="PRAGMA" CONTENT="PRIVATE">`

The above `<META HTTP-EQUIV>` will control the page cache to the browser folder.

Other HTTP-EQUIV attribute value

1. "EXPIRES"

When you are loading the page, first browser will go and look into the cache folder. If the page is available it will be displayed immediately. Otherwise only it will go to particular site on the internet. In case, if you got the page from the cache and you want to know if there is any update, simply you have press refresh/reload.

Web designers can use `<META HTTP-EQUIV>` tag to control the cached page. When browser look into the page in cache, it will check whether the page is expired or not. If it is expired it will update from the internet, otherwise it will load from the cache.

Example:

`<META HTTP-EQUIV="EXPIRES" CONTENT="Sat, 15 Oct 2002 10:12:15 GMT">`

2 "REFRESH"

Any web page can be automatically refreshed or redirected after some particular seconds.

Example:

`<META HTTP-EQUIV="REFRESH" CONTENT="60;`

`URL=http://www.sitename.com/samepage.htm">`

(or)

`<META HTTP-EQUIV="REFRESH" CONTENT="60;`

`URL=http://www.sitename.com/newpage.htm">`

4. "SET-COOKIE"

Create a cookie to collect the information.

Example:

`<META HTTP-EQUIV="SET-COOKIE" CONTENT="cookievalue=xxxxx;`

`expires="Monday, 17-Sep-02 09:30:00 GMT">`

5. "WINDOWS-TARGET"

If you are using the frames on you page this one is useful. You can change the default location where hyperlinks open.

Example:

`<META HTTP-EQUIV="WINDOW-TARGET" CONTENT="name of the frame in which page to open">`

Incorrect answers:

A, B, D: Read the above explanation

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata.

QUESTION 189:

FAQ, About Us, Contact Us, and Help are all examples of which of the following?

- A. Familiar conventions
- B. Guided conventions
- C. Guided navigation
- D. Organized navigation

Answer: A

Explanation:

The Familiar Conventions means some of the navigational elements (labels) are same in the most of the sites. For example, when users see a button or link labelled "Home Page" they know exactly where the link will take them. Some of the other common labels are FAQ or Frequently Asked Questions, Downloads, Site Map, About Us, Contact Us and Help. Using the common labels is advantage for the users.

Incorrect answers:

B: Guided conventions - Nothing like this.

C: Guided Navigation - It is another popular plan. Web designer should provide a link to the next step, and continue the process by establishing links that keep users on trace. For example when a user enters e-business site he is leading through product, order qty, shipping information, payment information and receipt information.

D: There is no organized navigation may be organized web site. Not related with this question.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 4 - Navigation Concepts

QUESTION 190:

Mohammad wants to indent a paragraph by 17 pixels. Which of the following tags should he use?

- A. <INDENT PARA = 17>
- B.
- C.
- D.

Answer: B

Explanation:

There is no indent tag in HTML. In case, if you want to indent your paragraph (affect first line only) you can do with the help of Transpart.gif file, which is contains nothing. Also you can do with style using text-indent attribute.

Incorrect answers:

A: There is no indent tag in HTML

QUESTION 191:

Manbu is instructed to create a visually appealing bitmap image for the home page that links to all the other pages. What should he create?

- A. An image map
- B. A picture map

- C. A hypermap
- D. A link map

Answer: A

Explanation:

Images maps are a graphical form of creating links between pages. An image map allows a single image to become hyperlink to multiple locations. Basic image map shapes are Rectangle, Circle and Polygon.

Example:

```
<MAP NAME="SAMPLE">  
<AREA SHAPE="RECT" COORDS="10,122,58,151" HREF="SAMPLE1.HTM">  
<AREA SHAPE="CIRCLE" COORDS="52,47,27" HREF="SAMPLE2.HTM">  
<AREA SHAPE="POLY" COORDS="52,47,27,37,47,58" HREF="SAMPLE3.HTM">  
</MAP>
```

You should apply the above map as follow:

```
<A> <IMG SRCH="SAMPLE.BMP" USEMAP="#SAMPLE" BORDER="0"> </A>
```

Incorrect answers:

B, C, D: Easy question. There is no other map with all this names.

Reference: Prosoft Design Methodology and Technology - Book 2 - Lesson 16 - Site Development with FrontPage 2000 - Basic Features

Reference:

Prosoft Design Methodology and Technology - Book 2 - Lesson 19 - Site Development with Dreamweaver 3.0 - Basic Features

QUESTION 192:

While browsing the web, Sylvie downloads a page that takes a long time. She notices that the image s appear progressively throughout the download, but the applets do not. The status bar shows the remaining percentage for the applet to complete. Why is Sylvie unable to see applet while it downloads?

- A. Java applets must register parameters with the JVM
- B. Java applets cannot instantiate without a class file
- C. Java applets have no streaming capability
- D. Java applets are memory intensive throughout downloading

Answer: C

Explanation:

Java applets are small java applications. They can run only on browser. Applets are small, fast, multithreaded. But it has two important limitations.

1. No caching capability. This means each time the user visits the site it must be downloaded.
2. No streaming capability. This means entire file must be downloaded before it is functional.

Incorrect answers:

A: JVM stands for Java Virtual Machine. To run applet on your browser JVM must be installed on your PC.

B: Java applet files are always .class file.

D: Nothing to do with memory. Applets are faster than CGI programs such as Perl.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 35 - Java Applets

QUESTION 193:

Warren wants a simple way to specify a default target for all the links on his web page. Which HTML tag should he use?

A. <BASE RANGE>

B. <DEFAULT>

C. <BASE>

D. <FRAMESET>

Answer: C

Explanation:

<BASE> tag allows you to specify a default target frame for all the links in that file instead of manually entering targets for every link on the page. It is special empty tag.

Example:

```
<HEAD>
```

```
<TITLE> BASE tag example </TITLE>
```

```
<BASE TARGET="main_frame">
```

```
</HEAD>
```

Note: There is optional attribute named HREF for <BASE> tag. If users download this page to their system, they will not know your URL. It is important to include a base URL.

Format example : <BASE HREF="URL" TARGET="main">

Incorrect answers:

A, B: There is no HTML tag with this names.

D: <FRAMESET> - It will allow you to define regions in your browser windows and assign separate files to each region.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 12 - HTML Frames

QUESTION 194:

To identify a downloadable file on her web site, Chiako includes the following code:

```
<A HREF= "Legal Agreement PDF">click here to download the legal agreement</A>
```

What else should Chiako do to identify the downloadable file to users?

- A. Specify the visited hyperlink color
- B. Add a file type description and size
- C. Enter the file name in all-uppercase
- D. Provide alternative file types

Answer: B

Explanation:

Any file type, which is not natively supported by the browser or its plug-ins are downloadable.

Example:

`Click here to download`

It is recommended that when you provide a link to a downloadable file, you should also provide two more information: type file type and the file size. With this users will know easily what type of file they are downloading and how long time it will take to download.

Example:

`Click here to download (WinZip - 485KB)`

Incorrect answers:

A: Changing the Hyperlink color will not give any information about downloadable file.

C: You can enter the file name in all uppercase or all lowercase, which is not related with file identification.

D: You cannot provide alternative file type. They file may not work properly after downloaded.

Note: If a user has an Acrobat Reader plug-ins installed, browser will open the file instead of download. To download the file right click the mouse and select Save Target As.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 34 - Downloadables and Plug-Ins.

QUESTION 195:

Sylvie wants to use flash for her entire web site. What is the main disadvantage of doing this?

- A. Rapid site development and maintenance are not possible without a team of skilled flash developers
- B. The rapid change in Internet technology make sit difficult to keep pace using this specialized technology.
- C. Similar technologies are emerging that might render flash obsolete
- D. The cost and time required to develop a flash site are prohibitive

Answer: A

Explanation:

Flash offers dynamic features such as compresses file sizes, media-rich content and streaming delivery. Basically, flash combines four elements that define its functionality:

vector graphics, streaming capability, a timeline and layers.

But, Flash has some disadvantages when you are considering for entire web site.

- Developing entire web site in Flash will consume more time.
- To update a Flash content require skilled flash developers. It is not advisable to update the content with inexperience Flash developers.

Incorrect answers:

B, C, D: Not an important disadvantages of developing entire web site using Flash.

Reference: Prosoft Design Methodology and Technology - Book 2 - Lesson 23 -
Multimedia with Macromedia Flash 4.0

QUESTION 196:

Pierre structures his site's web pages so that certain information is visible and persistent while other information changes. Pierre produces this functionality using panes in the browser Window. What is the name of these panes?

- A. Frames
- B. Tables
- C. Navigation links
- D. Data elements

Answer: A

Explanation:

Separate panes in the browser window called frames. Frames are used to display both static and dynamic content.

Incorrect answers:

B: Table structure cannot be used to create static navigation elements in a window alongside content element that can scroll.

C, D: Not related to question.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 12 - HTML
Frames

QUESTION 197:

Which one of the following statements about cookies is accurate?

- A. Cookies are simple graphic files
- B. Cookies can contain user-enabled latent viruses
- C. Cookies are stored in multiple locations on the user's computer.
- D. Cookies are sent in the HTTP response header.

Answer: D

Explanation:

Cookies are small text files. Cookies are sent from server to a browser to store

information on a user's computer.

Cookies are sent from a server to the user's browser in the HTTP response header.

Incorrect answers:

A: Cookies are simple text files not graphic files

B: Cookies cannot contain viruses.

C: Cookies are stored in one unique place as text files only, and or not executable.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 33 -

Cookies

QUESTION 198:

Sara and her boss are discussing the characteristics for their company's e-commerce site. Sara's boss asks about storing the complex data that users enter for marketing purposes. Sara calls this required site characteristic what?

A. Database integration

B. Structured query language

C. Data analysis

D. Database purging

Answer: A

Explanation:

Web site characteristics vary depending on whether the site is used for informational purpose or for e-commerce.

Important site characteristics

1. Database Integration - Successful e-commerce sites almost universally integrate complex database structures for information storage and access. Required for e-commerce site.

2. Web Data Analysis - Method for gaining intelligence on the performance of a web site. It is a good strategy for continuous improvement of e-commerce.

3. Web Interactivity - E-business sites require interactivity

4. Web Presence - Important for Informational web site as well as E-commerce site.

5. Navigation - Important for Informational web site and Crucial for E-commerce site

6. Advertising - Two aspects: promoting the web site and opening site to outside advertisers.

Incorrect answers:

B: Structured Query Language - SQL is a query language to retrieve data from the database based on the user query.

C: Data Analysis - Refer above explanation (point no.2)

D: Data Purging - Data purging is a process in database to permanently remove temporary deleted records.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 9 - Site implementation factors.

QUESTION 199:

Which term is defined as the structure of a database system?

- A. Row generation
- B. Schematic manipulation
- C. Integrational relation
- D. Schema

Answer: D

Explanation:

Structure of a database system called Schema. The schema defines tables and fields, and the relationships between them.

Incorrect answers:

A, B, C: Not related to question.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 36 - Databases

QUESTION 200:

Sylvie is designing a web site for people who are hearing-impaired. Which of the following CSS2 functions would allow her to adjust the quality of synthesized speech?

- A. Font support
- B. Paged media
- C. Synthesized speech launchers
- D. Aural style sheets

Answer: D

It is important to understand the functionality presented by the CSS2 recommendation. CSS2 features are very important. Some of the features are:

1. Aural Style Sheets - The use of voice synthesizers for the hearing impaired. Also allow authors to vary the quality of synthesized speech.
2. Media Types - You can determine a document's appearance based on whether it will be presented on screen, in print, with a speech synthesizer.
3. Page Media - The display of paged media using a page box with finite width and height.
4. Bi-directional Text - Support for bi-directional text is imperative for international organizations with informational display requirements in other languages.
5. Font Support - CSS2 allows for improved client-side font matching, enables font synthesis and progressive rendering, and enables font to be downloaded from the web.
6. Relative and Absolute Positioning - <LAYER> tag is eliminated with CSS2, which provides a Z-axis that allows elements to be stacked on a page and displayed accordingly. Absolute positioning with style sheets allows you to form pages that resemble frames.

Incorrect answers:

A, B, C: Refer above explanation.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading Style Sheets

QUESTION 201:

The process of developing the vision and strategy for a web site is called what?

- A. Conceptualisation
- B. Design visualization
- C. Analysis
- D. Evolution

Answer: A

Explanation:

The process of developing the vision and strategy for the web site is called Conceptualisation. This vision will encapsulate the overall objectives of the site. Also this vision is similar to a company mission statement that gives the overview for its purpose, creation and existence.

Basically, web development process consists of five distinct phases:

1. Conceptualization
2. Design visualization
3. Analysis
4. Production (The process of executing the designed plan)
5. Evolution

Incorrect answers:

B: The process of preparing the transactional, navigational and hierarchical construction of content called Design visualization.

C: The process of testing concepts for achieving the site vision called Analysis.

D: The process of refining and updating the site design called Evolution.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 7 - The Web Development Process

QUESTION 202:

What is the name of the international association founded in 1994 to develop common standards for the World Wide Web?

- A. Web watch consortium
- B. World wide web consortium
- C. International web consortium
- D. Web industry standards group

Answer: B

Explanation:

The World Wide Web Consortium (W3C) is the standards organization that control the evolution of the HTML languages.

For more details please visit <http://www.w3c.org/consortium>.

Incorrect answers:

A, C, D: There is no consortium/group exist with this names.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 10 - HTML Standards and Compliance

QUESTION 203:

Alex wants to effectively represent his company's style on its web site. Which element could easily accomplish this?

- A. Borders
- B. Graphics
- C. Color
- D. White space

Answer: C

Multiple and overlapping style definitions that control the appearance of HTML elements are called Cascading Style Sheets(CSS). Designers can create effective web sites using style color elements.

color : blue - Set font color

Example:

```
<H1 STYLE="background: Blue; color:White">
```

Important List of changeable style elements:

background : green - Set background color

font: bold 28pt "Times New Roman" - Sets the three important attributes of a font.: the weight(bold, normal or light), the size (in points), and the font name.

Font-size: 48pt - Sets text character size

text-decoration:underline - Add underline

text-decoration:none - remove underline (Related with this question)

text-align : center - Specifies horizontal alignment of any given text element.

Incorrect answers:

A, B, D: Not at all related with style sheets.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading Style Sheets

QUESTION 204:

Which site characteristics will keep users interested in your web site and compel them to do more than just browse?

- A. Lowest common denominator

- B. Advertising
- C. Web activity
- D. Web data analysis

Answer: C

Explanation:

Web site characteristics vary depending on whether the site is used for informational purpose or for e-commerce.

Important site characteristics

1. Web Interactivity - The element that keeps users who are just browsing engaged in the site. E-business sites require interactivity.
2. Web Presence - Important for Informational web site as well as E-commerce site.
3. Navigation - Important for Informational web site and Crucial for E-commerce site
4. Advertising - Two aspects: promoting the web site and opening site to outside advertisers.
5. Database Integration - Required for e-commerce site.
6. Web Data Analysis - Method for gaining intelligence on the performance of a web site. It is a good strategy for continuous improvement of e-commerce.

Incorrect answers:

A: Lowest common denominator - It is based upon the intended audience. To maximize the number of users who can view the site as intended.

B: Advertising - Refer above explanation point #4

D: Web Data Analysis - Refer above explanation point #6

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 9 - Site implementation factors.

QUESTION 205:

What is the term for a drop-down menu on a web page that automatically links to a specific URL when the user makes a selection?

- A. Site menu
- B. CGI menu
- C. Hyperlink menu
- D. Jump menu

Answer: D

Explanation:

A drop-down menu that automatically links to a specific URL when the user makes a selection called Jump Menu. This component creation is the good future of Dreamweaver. Jump menus provide a useful and dynamic addition to a website.

Incorrect answers:

A, B, C: There is no terms like this.

Reference: Prosoft Design Methodology and Technology - Book 2 - Lesson 20 - Site Development with Dreamweaver 3.0 - Advance Features

QUESTION 206:

Which of the following choices best describes the features of an object-oriented programming language?

- A. Methods, properties, and inheritance
- B. Top-down, event-driven code that may inherit properties from the main program or another event
- C. Methods, portability, and top-down code refinement
- D. Run-time interpretation and threaded execution

Answer: A

Explanation:

"Object-Oriented" means that a program can be created once and reused any number of times. In Object-Oriented programming, Objects encapsulate predetermined attributes and behavior. Developers tend to call attributes and behaviors by two other terms: Properties and methods.

Properties represent various attributes of the object, such as height, color, font size , age and so forth.

Methods are the actions an object can be made to perform, such as a calculation, onscreen movement, or the writing of text.

Incorrect answers:

B, C, D: Not a best describes about object oriented programming language..

QUESTION 207:

Manabu's site has 10 different level-2 headings that he wants to change from red to gold. Manabu can either set the font color 10 different times (once for each heading), or he can do what?

- A. Use content sheets
- B. Use style sheets
- C. Use a design template
- D. Use a directory index

Answer: B

Explanation:

Multiple and overlapping style definitions that control the appearance of HTML elements are called Cascading Style Sheets (CSS). It has got four ways to apply style variations.

1. Linking to style sheets from an HTML file - External style sheets - Which allow you to use styles across multiple web pages. (External file extension is .css)

Example:

```
<LINK REL=STYLESHEET TYPE="text/css" HREF=
http://www.domainname.com/style.css>
```

The above style sheet file should include only style information.

2. Importing style information - External style sheets - Which allow you to use styles across multiple web pages. (External file extension is .css)

Example:

```
<STYLE TYPE="text/css">
@import url(http://www.domainname.com/style.css);
H1 {color: red }
</STYLE>
```

This is method is alternative to the first method. It will not function properly in Netscape Navigator

3. Embedding style information - Defines styles for a single page. The simplest methods to use styles.

Example:

```
<HTML>
<HEAD>
<STYLE>
<!--
BODY { font-family : Arial ; color : green }
-->
</STYLE>
</HEAD>
```

...

4. Inline Style - Style attributes can add definitions to html tags.

Example:

```
<H1 STYLE="color : yellow; font-size:25pt"> Prosoft </H1>
```

Important List of changeable style elements:

color : blue - Set font color

background : green - Set background color

font: bold 28pt "Times New Roman" - Sets the three important attributes of a font.: the weight(bold, normal or light), the size (in points), and the font name.

Font-size: 48pt - Sets text character size

text-decoration:underline - Add underline

text-decoration:none - remove underline (Related with this question)

text-align : center - Specifies horizontal alignment of any given text element.

Incorrect answers:

A, C, D: Not at all related with style sheets.

Reference:

Prosoft Design Methodology and Technology - Book 1 - Lesson 14 - Cascading Style Sheets

QUESTION 208:

In graphics programs, what does a ratio of 1:2 usually mean?

- A. The graphic is being displayed at twice the size of the original
- B. The graphic has one-half the colors of the original
- C. Each pixel is represented by two pixels
- D. The graphic is being displayed at one-half original size

Answer: D

QUESTION 209:

Absolute sizing occurs when framing are expressed in which measurement?

- A. Percentages
- B. Pixels
- C. Bits
- D. Data elements

Answer: B

Explanation:

The <FRAMESET> tag is container tag that allows you to define regions in your browser that will contain individual files or frames. <FRAMESET> requires an attribute of either COLS or ROWS to designate the number and size of columns or rows in a browser.

Frame sizes expressed in percentages is called "Relative sizing" (Window can be resized, the proportion of the division remains constant) and in pixels is called "absolute sizing" (The size of each frame remains constant regardless of browser windows size).

Web designer can use a wildcard character (*) in HTML Frame.

Ex for COL: <FRAMESET COLS="25%,75%">

Ex for ROW: <FRAMESET ROWS="150",*">

Incorrect answers:

A: Percentages - Frame sizes expressed in percentages is called "Relative sizing".

C, D: Not related to Frames

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 12 - HTML Frames

QUESTION 210:

Why is the model that drives the Web not considered a procedural model?

- A. The nature of the procedural models is represented extensively, but only in specific event-driven environments.
- B. There is a lack of sequential interaction in most daily interactions on the web.
- C. There are no methods on the web to enforce the procedural model's rules.
- D. The web is not mature enough to support the structure of the procedural mode, so it must support the event-driven model

Answer: B

Explanation:

The common programming model is the procedural model. In the procedural model the user is expected to interact with the program in a fairly sequential manner. But on the web, users can make any actions like click or not click, move the mouse or not move mouse and changing the URL. The users actions are unpredictable. That's what web not considered as a procedural model. Designers can create programming modules called subroutines or functions which is independent of each other and do not require a sequential set of operations.

The World Wide Web is based upon an event-driven model. Whenever a user click an element on web page, an event occurs. Users can click on any hyperlink on the page. So, there is no procedural (Sequential interaction).

Incorrect answers:

A, C, D: Refer the above explanation.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 29 - JavaScript Fundamentals.

QUESTION 211:

Which tag is a header element that defined information such as the page author or a description for search engines?

- A. <META>
- B. <BETA>
- C. <HEADER>
- D. <NAME>

Answer: A

Explanation:

Web designer can use <META> tags to address particular information about a web page. <META> tags does not affect the page appearance. It is an element of Header. It can provide information about Author, Expiration date, Keywords to be used by search engines.

Example:

<META NAME="DESCRIPTION" CONTENT="This site provides study guides"

Incorrect answers:

B, C, D: There is no HTML tags like this.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata

QUESTION 212:

Lena is designing a web site, and she wants to establish effective navigation. What rule of thumb should she consider as a navigation guideline?

- A. The three-click rule
- B. The five-click rule
- C. The site-map rule
- D. The keep-it-simple rule

Answer: A

Explanation:

Web designers should give more importance to navigation guideline. To find the information on the web, users should not need to click more than three times. This called Three-click-rule. This guideline is very important for informational or research-oriented web sites.

Incorrect answers:

B: There is no five-click rule.

C: A site map rule is to be considered when designing a site map page. A site map is a page that maps out your entire web site, with a brief description of what each page contains.

D: The most important rule in designing a web site to keep it simple. For example, Slow download times, confusing page layouts and poor navigation.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 4 - Navigation Concepts.

QUESTION 213:

Which HTTP_EQUIV attribute value controls the page cache to the browser folder?

- A. <META>
- B. SET-COOKIE
- C. PRAGMA
- D. WINDOW-TARGET

Answer: C

Explanation:

Web designer can use <META> tags to address particular information about a web page. <META> tags does not affect the page appearance. It is an element of Header. Basically, web browsers are using HTTP protocol to communicate between client and server. When client send the request server response to that. The initial data in that response is called HTTP header block. This header gives the useful information for displaying the page.

<META HTTP-EQUIV> tags can be used to control the function of web browsers.

When you load the page first <META> tags will be applied.

Example: 1

<META HTTP-EQUIV="PRAGMA" CONTENT="NO-CACHE">

(or)

<META HTTP-EQUIV="PRAGMA" CONTENT="NO-STORE">

(or)

<META HTTP-EQUIV="PRAGMA" CONTENT="PUBLIC">

(or)

<META HTTP-EQUIV="PRAGMA" CONTENT="PRIVATE">

The above <META HTTP-EQUIV> will control the page cache to the browser folder.

Other HTTP-EQUIV attribute value

1. "EXPIRES"

When you are loading the page, first browser will go and look into the cache folder. If the page is available it will be displayed immediately. Otherwise only it will go to particular site on the Internet. In case, if you got the page from the cache and you want to know if there is any update, simply you have press refresh/reload.

Web designers can use <META HTTP-EQUIV> tag to control the cached page. When browser looks into the page in cache, it will check whether the page is expired or not. If it is expired it will update from the Internet, otherwise it will load from the cache.

Example:

<META HTTP-EQUIV="EXPIRES" CONTENT="Sat, 15 Oct 2002 10:12:15 GMT">

2. "REFRESH"

Any web page can be automatically refreshed or redirected after some particular seconds.

Example:

<META HTTP-EQUIV="REFRESH" CONTENT="60;

URL=http://www.sitename.com/samepage.htm">

(or)

<META HTTP-EQUIV="REFRESH" CONTENT="60;

URL=http://www.sitename.com/newpage.htm">

4. "SET-COOKIE"

Create a cookie to collect the information.

Example:

<META HTTP-EQUIV="SET-COOKIE" CONTENT="cookievalue=xxxxxx;

expires="Monday, 17-Sep-02 09:30:00 GMT">

5. "WINDOWS-TARGET"

If you are using the frames on you page this one is useful. You can change the default location where hyperlinks open.

Example:

<META HTTP-EQUIV="WINDOW-TARGET" CONTENT="name of the frame in which page to open">

Incorrect answers:

A, B, D: Read the above explanation

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata.

QUESTION 214:

Lashonda understands the need to plan her web site before she starts writing HTML. After planning her tables, she decides to place two smaller tables inside a larger table. What is this technique called?

- A. Stacked tables
- B. Nested tables
- C. Horned tables
- D. CSS tables

Answer: B

Explanation:

The table element creates tabular data. The structure and content of the table are defined by additional elements that can appear only inside the TABLE.

You can use multiple tables on a page. Multiple tables can be independent, or they can be nested within one another.

Incorrect answers:

A, C, D: There is no term like this for tables.

Reference: Prosoft Design Methodology and Technology - Book 2 - Lesson 16 - Site Development with FrontPage 2000 - Basic Features.

QUESTION 215:

What distinguishes directories from search engines?

- A. Directories locate the links to the site, not the actual site
- B. Directories find only web advertisers
- C. Directories use an automated process to find sites
- D. Directories list only sites that are manually submitted

Answer: D

Explanation:

Web community using the term "search engine" includes both search engines and directories.

Difference between the search engine and directories:

Search engine : Uses an automated process to discover new web pages. This process some times called a "robot" or a "spider". It is important to submit your site to the search engines to find your site fast.

Directories: Find sties based on manual submissions. If your not manually submit your site to the directory, the directory will never know of or index your site, thus never list your site in search results. Directory search results are more likely to contain quality content matches.

Incorrect answers:

A: Directories locating the actual site based on manually submitted information.

B: Directories will find any information, which is manually submitted.

C: Directories will find sites based on manual submission.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata.

QUESTION 216:

What is ICANN's main responsibility?

- A. Overseeing short-term technical issues of the Internet.
- B. Overseeing the leadership for technical management.
- C. Overseeing long-term research issues of the Internet.
- D. Overseeing the acceleration of domain name registrars

Answer: D

Explanation:

The ICANN is a non-profit private sector corporation. The main responsibility of ICANN is IP address space allocation, protocol parameter assignment, domain name system management and root server system management.

The ICANN does not register domain names but rather oversees the accreditation of domain name registrars.

Incorrect answers:

A, B, C: Not related with ICANN's responsibility.

Reference: Prosoft Design Methodology and Technology - Book 3 - Lesson 37 - Standards Organizations

QUESTION 217:

Which one of the following graphic formats is best suited for displaying line art on a computer monitor?

- A. Bitmap
- B. Dithering
- C. Pixel
- D. Vector

Answer: D

Explanation:

Vector graphics are simplest form of graphics. Vector graphics are quite different from bitmap graphics in their rendering process. These are composed of simple objects that use mathematically defined lines and curves to create shapes. The images are stored as plotted coordinates and objects. Vector graphics are best suited for line art, shapes and illustrations.

Incorrect Answers:

A: Bitmap graphics are composed of individual values for each color displayed. Large bitmap images result in larger files sizes. Bitmaps are best suited for photos, drop-shadow effects, and soft, glowing or blurry edges.

B: When the required color is not available, the browser will attempt to replace the

requested color with an approximation composed of two or more colors from the system palette. Dithering may alter the image's appearance. Graphics should be dithered before publishing them in web pages.

C: A pixel is the basic unit of programmable color on a computer image or display.

"Pixel" is short for "picture element". The physical size of pixel depends on the display screen resolution.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 5 - Web Graphics

QUESTION 218:

Lashonda is conducting a review of her company's web pages. She notes that a number of keywords are misspelled. How can misspelled keywords affect site traffic?

- A. Advertiser banners will be smaller
- B. HTML framesets cannot be viewed.
- C. Search engine relevance may be altered
- D. The domain name cannot be registered

Answer: C

Explanation:

Search results are based on relevance given to search criteria. Among searches and search engines, relevance varies.

Some common characteristics

*** Titles - First step is search engine will scan <TITLE> tag in HTML file to look for words that match the query.

*** Beginning content - Second step is search engine will scan top of the document and look for the word(s) in the content.

*** Frequency - Third step is search engine will look for frequency of the query word(s), assuming that the more times a word appears.

From the above we can understand that search engines indexes sites to different levels, at different frequencies, then uses some propriety steps to create relevance.

In case of any misspelled words, search engines will ignore those words. So, your site traffic will be affected.

Incorrect answers:

A: Using advertiser banner on the top of page is not advisable irrelevant of size.

B: HTML framesets can be viewed. The point is most search engines have difficulty ranking sites that use the HTML framesets.

D: Domain name registration not based on the search engine. It is based on the name availability.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 13 - Metadata

QUESTION 219:

Warren is designing a site that promotes radio stations. He decides to create some scenarios in which people would use his site for information, and then focus on the look of the site later. What is the name for the approach that Warren is taking?

- A. Top-down approach
- B. Bottom-up approach
- C. Inside-out approach
- D. User-based approach

Answer: D

QUESTION 220:

What negative effect can occur if a developer uses too many proprietary extensions when developing a web site?

- A. Some browsers may not support the extensions
- B. Advertising banners must be smaller
- C. The proprietary extensions can become corrupted
- D. Directories will charge higher fees for listing the web site

Answer: A

Explanation:

Browsers can include some features, which is not part of current HTML standard. This proprietary features are called extensions. For example, there are two common extensions to the HTML standard are <BLINK> which is supported by Netscape Navigator and <MARQUEE> which is supported by Internet Explorer.

Understand that this feature may or may not be included in the next HTML standard. Due to this reason some browser might never support them. It is recommended that web designers should check their development in several web browsers.

Incorrect answers:

B: Nothing to do with proprietary tags.

C: Corruptions are not related to extension. An HTML file, which includes a proprietary extension, may corrupt. But this corruption will prevent display in all the browsers.

D: Not related to question.

Reference: Prosoft Design Methodology and Technology - Book 1 - Lesson 10 - HTML Standards and Compliance

QUESTION 221:

Pierre wants to speed up access time to his web site without changing the bandwidth. He is concerned that the site pages use graphics inconsistently. What technique could Pierre use to simplify site navigation and speed the loading of pages subsequent to the home page?

- A. Use a template
- B. Reuse the same bitmaps
- C. Use only GIF images
- D. Use Perl scripts

Answer: B

QUESTION 222:

HTML 4 extends HTML with mechanisms for which of the following (choose all that apply):

- A. style sheets
- B. scripting
- C. frames
- D. embedding objects

Answer: A,B,C,D

HTML 4 extends HTML with mechanisms for style sheets, scripting, frames, embedding objects, improved support for right to left and mixed direction text, richer tables, and enhancements to forms, offering improved accessibility for people with disabilities.

QUESTION 223:

Which of the following HTML elements provides a mechanism for including other objects in a document?

- A. OBJECT
- B. INCLUDE
- C. EMBED
- D. INCOBJ

Answer: A

HTML now offers a standard mechanism for embedding generic media objects and applications in HTML documents. The OBJECT element (together with its more specific ancestor elements IMG and APPLET) provides a mechanism for including images, video, sound, mathematics, specialized applications, and other objects in a document.

QUESTION 224:

The mechanisms for associating a style sheet with a document is independent of the style sheet language.

- A. True
- B. False

- C. True only when using HTML 4
- D. None of the choices.

Answer: A

According to the technical information provided at W3C's documentation site, the mechanisms for associating a style sheet with a document is independent of the style sheet language.

QUESTION 225:

An HTML 4 document is composed of which of the following parts (Three):

- A. a line containing HTML version information
- B. a declarative header section
- C. a body, which contains the document's actual content
- D. None of the choices.

Answer: A,B,C

An HTML 4 document is composed of three parts:<p>a line containing HTML version information,
a declarative header section (delimited by the HEAD element),
a body, which contains the document's actual content. The body may be implemented by the BODY element or the FRAMESET element.

QUESTION 226:

In HTML, what element defines a paragraph?

- A. P
- B. Para
- C. Paragraph
- D. NP

Answer: A

The HTML markup for defining a paragraph is straightforward: the P element defines a paragraph.

QUESTION 227:

What attribute can you use to determine whether markup following the BR element flows around images and other objects floated to the left or right margin, or whether it starts after the bottom of such objects?

- A. clear
- B. float
- C. free
- D. flows

Answer: A

For visual user agents, the clear attribute can be used to determine whether markup following the BR element flows around images and other objects floated to the left or right margin, or whether it starts after the bottom of such objects.

QUESTION 228:

If you want to prevent a line break from occurring between two words, what entity must you use?

- A. nbsp;
- B. bssp;
- C. nbsp;
- D. bsp;

Answer: A

Sometimes authors may want to prevent a line break from occurring between two words. The nbsp entity acts as a space where user agents should not cause a line break.

QUESTION 229:

Which of the following are the valid types of hyphens in HTML (choose two):

- A. plain hyphen
- B. soft hyphen
- C. virtual hyphen
- D. smart hyphen

Answer: A,B

There are two types of hyphens: the plain hyphen and the soft hyphen. The plain hyphen should be interpreted by a user agent as just another character. The soft hyphen tells the user agent where a line break can occur.

QUESTION 230:

What are used to markup sections of the document that have been inserted or deleted with respect to a different version of a document?

- A. INS and DEL
- B. INS and ERA
- C. ADD and DEL
- D. None of the choices.

Answer: A

According to the technical information provided at W3C's documentation site, INS and

DEL are used to markup sections of the document that have been inserted or deleted with respect to a different version of a document (e.g., in draft legislation where lawmakers need to view the changes).

QUESTION 231:

What is known as the planning team's concise statement of core goals, values, and intent that provides the ultimate policy direction for everything that comes next?

- A. site specification
- B. project preview
- C. post project meeting
- D. site design draft

Answer: A

The site specification is the planning team's concise statement of core goals, values, and intent, to provide the ultimate policy direction for everything that comes next.

QUESTION 232:

A good site specification should define (choose all that apply):

- A. the content scope
- B. the budget
- C. the schedule
- D. the technical aspects of the site

Answer: A,B,C,D

At minimum, a good site specification should define the content scope, budget, schedule, and technical aspects of the Web site. The best site specifications are very short and to the point, and are often just outlines or bullet lists of the major design or technical features planned.

QUESTION 233:

Which of the following defines the scope of your project?

- A. site specification
- B. project preview
- C. post project meeting
- D. site design draft

Answer: A

The site specification defines the scope of your project - that is, what and how much you need to do, the budget, and the development schedule.

QUESTION 234:

What is the most prevalent cause of Web project failures?

- A. scope creep
- B. lack of man power
- C. lack of funding
- D. economic instability

Answer: A

"Scope creep" is the most prevalent cause of Web project failures. In badly planned projects, scope creep is the gradual but inexorable process by which previously unplanned "features" are added, content and features are padded to mollify each stakeholder group, major changes in content or site structure during site construction are made, and more content or interactive functionality than you originally agreed to create is stuffed in.

QUESTION 235:

In order to keep a tight rein on the overall scope of your site content, you should specify:

- A. a maximum page count
- B. a minimum page count
- C. a maximum work period
- D. a fixed dollar budget

Answer: A

One excellent way to keep a tight rein on the overall scope of the site content is to specify a maximum page count in the site specification. Although a page count is hardly infallible as a guide (after all, Web pages can be arbitrarily long), it serves as a constant reminder to everyone involved of the project's intended scope.

QUESTION 236:

The overall process of developing a complex Web site does NOT involve which of the following stages?

- A. Site definition and planning
- B. Information architecture
- C. Site design
- D. None of the choices.

Answer: D

The overall process of developing a complex Web site generally follows six major stages:

Site definition and planning
Information architecture
Site design
Site construction
Site marketing
Tracking, evaluation, and maintenance

QUESTION 237:

Which of the following is generally known as the first major stage of the overall process of developing a complex Web site?

- A. Site definition and planning
- B. Information architecture
- C. Site design
- D. Site construction

Answer: A

The overall process of developing a complex Web site generally follows six major stages:

Site definition and planning
Information architecture
Site design
Site construction
Site marketing
Tracking, evaluation, and maintenance

QUESTION 238:

Which of the following is generally known as the last major stage of the overall process of developing a complex Web site?

- A. Site marketing
- B. Tracking, evaluation, and maintenance
- C. Site design
- D. Site construction

Answer: B

The overall process of developing a complex Web site generally follows six major stages:

Site definition and planning
Information architecture
Site design
Site construction
Site marketing
Tracking, evaluation, and maintenance

QUESTION 239:

At which stage should you define the interactive functionality and technology support required for your web site?

- A. Site definition and planning
- B. Information architecture
- C. Site design
- D. Site construction

Answer: A

This initial stage is where you define your goals and objectives for the Web site and begin to collect and analyze the information you'll need to justify the budget and resources required. This is also the time to define the scope of the site content, the interactive functionality and technology support required, and the depth and breadth of information resources that you will need to fill out the site and meet your reader's expectations.

QUESTION 240:

The plan that specifies who is responsible for the content of each page in the site is the:

- A. maintenance plan.
- B. project design plan.
- C. work plan.
- D. budget plan.

Answer: A

A site that is "everyone's responsibility" can quickly become an orphan. A maintenance plan should specify who is responsible for the content of each page in the site. To maintain consistent editorial, graphic design, and management policies you'll also need one person to act as the editor of the overall Web site.

QUESTION 241:

Which of the following are the duties of the site editor (choose all that apply):

- A. ensuring editorial quality
- B. ensuring the content of the site reflects the policies of the enterprise
- C. ensuring the content of the site is consistent with local appropriate use policies
- D. ensuring the content of the site does not contain material that violates copyright laws

Answer: A,B,C,D

In addition to ensuring editorial quality, a site editor must also ensure that the content of

the site reflects the policies of the enterprise, is consistent with local appropriate use policies, and does not contain material that violates copyright laws.

QUESTION 242:

At which stage should you detail the content and organization of the Web site?

- A. Site definition and planning
- B. Information architecture
- C. Site design
- D. Site construction

Answer: B

At this stage you need to detail the content and organization of the Web site. The team should inventory all existing content, describe what new content is required, and define the organizational structure of the site.

QUESTION 243:

Once a site content architecture has been sketched out, you should test what it feels like to move around within the design of your web site via:

- A. prototype
- B. structure walkthrough
- C. simulation
- D. navigation

Answer: A

Once a content architecture has been sketched out, you should build small prototypes of parts of the site to test what it feels like to move around within the design.

QUESTION 244:

Refer to this URL:

http://www.abc.com/html/top.html#section_2

Which part is the anchor identifier?

- A. abc
- B. .com
- C. html
- D. section_2

Answer: D

This kind of URI ends with "#" followed by an anchor identifier (called the fragment identifier). For instance, here is a URI pointing to an anchor named section_2:

http://somesite.com/html/top.html#section_2

QUESTION 245:

Which one of the following lists additive colours?

- A: Red, yellow, blue
- B: Cyan, magenta, yellow, blue
- C: White and black
- D: Red, green, blue

Answer: D

Additive colours are colours that are used in conjunction with emitted light. In this case the additive primary colours are red, green and blue. These are the colours we are probably most familiar with in association with television, and computer displays.

QUESTION 246:

Mindmappingprocess structures web site development in?

- A. Linear form
- B. Procedural form
- C. Textual form
- D. Spatial form

Answer: D

QUESTION 247:

Which measurement is used in web design to ensure that all audiences can view a page layout with out horizontal scrolling?

- A. Monitor size
- B. DPI
- C. Browser type
- D. Resolution

Answer: D

QUESTION 248:

Sarah has an image she wants to use on her site. She wants to make the background transparent. How can she create a transparent GIF image?

- A. She can manipulate image properties with an image mapping tool
- B. She can configure the browser to make it transparent.
- C. She can use the ALT attribute value "transparent" in the tag

D. She can convert it to JPG format

Answer: A

QUESTION 249:

What is the difference between the web media and the print media?

- A. The web media can not create inter activity but print media can
- B. Print media can personalize the users experience but the web can't
- C. Web media makes print media "brochures" more effective
- D. The print media is linear, the web is non linear

Answer:

QUESTION 250:

A corporate logo is typically linked to?

- A. Profiles of the company's executive staff
- B. The FAQ page
- C. Site search function
- D. The site's home page

Answer: D

QUESTION 251:

Which is important for detailed web site structure?

- A. Files names
- B. Icons
- C. IP address schemes
- D. File content

Answer: D

QUESTION 252:

Jorge is developing a web site navigation scheme for it. Which of the following guidelines should he apply?

- A. Provide quick links
- B. Expect users to have similar backgrounds
- C. Do not imitate other navigation schemes
- D. Develop by adapting to the browser buttons

Answer: A

QUESTION 253:

Web developers use the intended audience's lowest common denominator to assure that?

- A. The site is not beyond most visitors' educational level
- B. They have enough time to view site features
- C. Adequate tech to view the site
- D. Every type of transmission hardware will operate ok

Answer: C

QUESTION 254:

Why do vector graphics perform better than other file formats?

- A. They compress with no loss of visual quality
- B. They include sound with out encoding the graphic with the file info
- C. They are represented with bitmaps rather than mathematical formulas's and are easily read
- D. They are represented by mathematical calculations and are smaller than bitmaps by order of magnitude

Answer: D

QUESTION 255:

If you increase the image color depth, what happens?

- A. The file size decreases with colour depth
- B. The file size increases with colour depth
- C. The file size remains the same, but quality increases
- D. The file size remains the same, but the quality decreases

Answer: B

QUESTION 256:

Why would you apply anti-aliasing to text in a graphic file?

- A. To ensure that the text is centred on what ever point you choose
- B. To ensure the rendition is not aliased towards any platform specific font
- C. To enable the client browser to substitute the correct font

D. Prevent the fonts from appearing jagged round the edges

Answer: D

QUESTION 257:

In bottom up approach, what is most important?

- A. Budgetary concerns
- B. Web site functionality
- C. User scenarios
- D. The development schedule

Answer: D

QUESTION 258:

Which server will you use to put your web pages to a host sever?

- A. HTTP
- B. IP
- C. ISP
- D. FTP

Answer: A

QUESTION 259:

When does an HTML spec become standard?

- A. After a working draft is ratified
- B. A new recommendation is ratified
- C. When all browsers support all tags
- D. When development tools implement all the tags

Answer: B

QUESTION 260:

The ALT attribute of the tag can do what?

- A. Provide info to impaired software
- B. Indicate the type of client that is viewing the image
- C. Designate an alternative image source
- D. Over ride browser settings to display the image

Answer: A

QUESTION 261:

The <frameset> tag can specify colours in what?

- A. Pixels or %
- B. Inches or centimetres
- C. Whole or decimal figures
- D. Whole figures or fractions

Answer: C

A color is specified by either a six-digit hexadecimal value, where each pair of hex digits specifies the red, green, and blue components, respectively, or by a color name (red, white, black, etc.). The color specifier may be quoted, but it is not necessary.

QUESTION 262:

If a site uses both a linked style sheet and a style header block, what will happen?

- A. The linked style sheet overrides the style header block
- B. The style header block overrides the linked style sheet
- C. The linked style sheet modifies the style header block for consistency
- D. The style header block modifies the linked style sheet for consistency

Answer:

QUESTION 263:

When publishing a web site using FTP, which is required? Select all that apply.

- A. Username and password
- B. E-mail client
- C. A browser
- D. An internet connection

Answer: A, D

QUESTION 264:

Which name attribute value of the <meta> helps the users find your site by showing them a brief summary of the site in the search engine results?

- A. Keywords
- B. meta-summary

- C. Description
- D. name-content

Answer: C

Explanation: Description - When the <meta> tag name attribute specifies the "description" value, the content attribute value will appear as a short site description in some search engine results.

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QUESTION 265:

Which of the following is a way to apply cascading style sheets?

- A. Layering
- B. Dithering
- C. Linking
- D. Scripting

Answer: A

It is possible to layer style sheets to create interesting effects. Like sheets of glass piled on top of one another, separate layers can contain text, pictures, and animation. The layers support effects such as text written over pictures and animated images moving behind text. Backgrounds, for example, act as they do in normal HTML, representing the lowest layer in a multi-layer page. It is this layering feature that provides the meaning behind "cascading" in Cascading Style Sheets.

QUESTION 266:

Which of the following tags is a container tag that affects everything between tags and can also be used inline to make style changes?

- A.
- B.
- C. <Header>
- D. <Inline>

Answer: A

QUESTION 267:

What is the primary role of an HTTP server?

- A. To provide access to port 21
- B. To keep a stateful session with the client browser
- C. To deliver web pages and other media to a client browser

D. To deliver web pages and e-mail services to a client browser

Answer: C

QUESTION 268:

Which tech provides a standard method of accessing databases by inserting a database driver as a middle layer between the database management system and database application to translate requests and commands?

- A. SQL
- B. JDBC
- C. ODBC
- D. RDBMS

Answer: C

QUESTION 269:

Which of the following products provide HTTP services?

- A. Sun Microsystems java 1.2
- B. Verisign certificate authority
- C. Microsoft internet information servers
- D. Netscape server-side java script

Answer: C
IIS servers.

QUESTION 270:

What is a database?

- A. Stores info for a web server
- B. Stores numerically formatted info about users
- C. It analyzes stored data
- D. Stores info for retrieval

Answer: D

QUESTION 271:

You want to use an applet. For your code to conform to HTML 4.01, which would you use?

- A. Param

- B. Object
- C. Embed
- D. Applet

Answer: B

Previous versions of HTML allowed authors to include images (via IMG) and applets (via APPLET). These elements have several limitations:

1. They fail to solve the more general problem of how to include new and future media types.
2. The APPLET element only works with Java-based applets. This element is deprecated in favor of OBJECT.
3. They pose accessibility problems.

To address these issues, HTML 4 introduces the OBJECT element, which offers an all-purpose solution to generic object inclusion. The OBJECT element allows HTML authors to specify everything required by an object for its presentation by a user agent: source code, initial values, and run-time data. In this specification, the term "object" is used to describe the things that people want to place in HTML documents; other commonly used terms for these things are: applets, plug-ins, media handlers, etc.

QUESTION 272:

Which technology was created to provide a manner of describing both structure and content in Web pages?

- A. Hypertext Markup Language (HTML) 4.01
- B. Dynamic HTML (DHTML)
- C. Extensible Markup Language (XML)
- D. Cascading Style Sheets (CSS)

Answer: A

QUESTION 273:

Which choice best describes a cookie?

- A. A directory that stores information from a Web site on a user's computer.
- B. An executable file places on a user's computer that passes marketing information to the sponsoring Web site.
- C. An alert box that allows users to accept or reject marketing information from a Web site.
- D. A text file sent from a Web site to a user's computer that stores information for that user.

Answer: D

QUESTION 274:

You want to use an applet on the home page of your Web site. For your code to conform to the HTML 4.01 standard, which tag should you use to embed the applet into your Web page?

- A. <PARAM>
- B. <OBJECT>
- C. <EMBED>
- D. <APPLET>

Answer: B

QUESTION 275:

You are creating a database of contact information for all the employees at your company. Which term describes the rows in your database table, each of which contains a complete set of information (name, phone number and e-mail address) for one person?

- A. Field
- B. Schema
- C. File
- D. Record

Answer: D

Explanation:

Record - The table consists of fields (columns) and records (rows). A record includes a complete set of information, such as name, e-mail address and phone number of one person. A set of records is referred to as file.

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QUESTION 276:

Which component of Dynamic HTML (DHTML) provides the interface that accesses and manipulates HTML and XML documents and gives them logical structure?

- A. JavaScript
- B. Cascading Style Sheets (CSS)
- C. The HTML 4.0 standard
- D. Document Object Model (DOM)

Answer: D

QUESTION 277:

You want to include new or non-tradition file formats on your Web site. You decide to offer a plug-in that requires offline installation for your users who want to view there new files. Which choice describes the offline plug-in installation process?

- A. The plug-in comes already installed in the browser by the browser manufacturer; the user must simply select a preference to view the new file format.
- B. The plug-on installation file is downloaded from the Web and run by the user, after which the new file formats may be used.
- C. The plug-in is downloaded along with the associated new file format, and both are run from the user's desktop offline.
- D. The plug-in is installed in a single browser session and can run without restarting the browser of computer.

Answer: C

QUESTION 278:

Which set of cookie parameters is required to generate a cookie?

- A. path=path
- B. name=value
- C. domain=domain
- D. expires=date

Answer: B

Explanation: name=value - The only information required to generate a cookie. All other cookie attributes are optional.

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QUESTION 279:

You have developed several pages for a Web site and you are ready to publish them to the World Wide Web. Which service will you most likely use to transmit your finished Web page documents from your computer to the Web server that will host your site?

- A. Hypertext Transfer Protocol (HTTP)
- B. Internet Protocol (IP)
- C. Internet Service Provider (ISP)
- D. File Transfer Protocol (FTP)

Answer: D

QUESTION 280:

Which HTML tag uses the correct syntax to create a frame?

- A. <FRAME SRC="home.htm" ID="main">
- B. <FRAME FILE="home.htm" NAME="main">
- C. <FRAMES SRC=home.htm NAME=main>
- D. <FRAME SRC="home.htm" NAME="main">

Answer: D

QUESTION 281:

The ALT attribute of the tag can perform which of the following functions?

- A. Provide information to impairment software.
- B. Indicate the type of client that is viewing the image.
- C. Designate an alternate image source.
- D. Override browser settings to display the image.

Answer: A

QUESTION 282:

Warren wants to read a Request For Comments (RFC) about e-mail protocols. Which URL provides the most reliable information?

- A. www.rfc.org
- B. www.rfc-editor.com
- C. www.rfc-editor.org
- D. www.w3.org

Answer: C

QUESTION 283:

Why is streaming audio often preferable to downloaded audio?

- A. Because streaming audio creates better sound quality.
- B. Because streaming audio enhances stereo sound.
- C. Because streaming audio plays while downloaded.
- D. Because streaming audio is easier to implement in Web sites.

Answer: C

QUESTION 284:

You are assigned to manage the development of a Web presence for your company, and you must plan the agenda for your first development team meeting. Which development phase typically begins the Web site development process?

- A. Implementation
- B. Analysis
- C. Production
- D. Conceptualization

Answer: D

QUESTION 285:

How does the anti-aliasing process help Web design?

- A. Eliminates font substitution
- B. Gives fonts a smoother appearance
- C. Keeps font size consistent
- D. Reduces download time

Answer: B

QUESTION 286:

Which one of the following choices lists three goals that should be achieved on every Web site?

- A. Interest, activity and accomplishment
- B. Interaction, activity and accomplishment
- C. Interest, activity and resolution
- D. Interest, challenge and resolution

Answer: C

QUESTION 287:

You are developing your company's Web site. To achieve maximum site usability, you plan to conduct some usability tests before the site goes live. Which step should you include in your Web usability testing?

- A. Conduct your usability test early in the development process so you can begin working out bugs immediately.
- B. Use other members of your site design team to conduct tests so your feedback will be technical and relevant.

- C. Give each participant a list of actual tasks and operations but no indication of how to perform them.
- D. Be available during the testing process to answer any questions that your testing participants may have.

Answer: D

QUESTION 288:

In the context of Web site design, what is a metaphor?

- A. A metaphor suggests a likeness to some other familiar thing.
- B. A metaphor creates a new definition.
- C. A metaphor provides differentiation from some other thing.
- D. A metaphor suggests uniqueness.

Answer: A

QUESTION 289:

In what way can Dynamic HTML (DHTML) enhance HTML?

- A. Increased browser compatibility
- B. Faster download times
- C. Web site interactivity
- D. Increased server compatibility

Answer: C

QUESTION 290:

Why would you want to apply anti-aliasing to text in a graphic file?

- A. To ensure that the text is centered on whatever point in the file you choose.
- B. To ensure that the rendition of the text is not aliased toward any platform-specific font.
- C. To enable the client browser to substitute the correct font.
- D. To prevent the fonts from appearing jagged around the edges.

Answer: D

QUESTION 291:

What is the latest formulation of Hypertext Markup Language (HTML) that combines Web page formatting with XML compliance?

- A. HTML 4.01 Strict
- B. HTML 4.01 Transitional
- C. Extensible Markup Language (XML)
- D. Extensible Hypertext Markup Language (XHTML)

Answer: D

QUESTION 292:

In programming languages, which term is used to describe object behaviors?

- A. Attributes
- B. Properties
- C. Methods
- D. Classes

Answer: C

Explanation: Methods are the behaviors or actions an object can be made to perform, such as a calculation, onscreen movement, or writing of text.

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QUESTION 293:

The <BODY> tag can be modified to:

- A. adjust top and left page margins
- B. adjust top, bottom, left and right margins
- C. adjust top and bottom page margins
- D. adjust left and right page margins

Answer: A

QUESTION 294:

Metadata can be used to provide which information?

- A. Client machine information
- B. Web page author information
- C. Site hosting information
- D. User preference information

Answer: B