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QUESTION NO 1
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. Utilitanan
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: Utilitanan - There is no technical word like this.

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

QUESTION NO 2
Which type of administration allows a user running Mackintosh 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 NO 3
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 NO 4
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

Explanation:

Incorrect answers:

QUESTION NO 5
What feature is offered by Lotus Domino, Allaire ColdFusion, Macromedia Dreamwear Ultradev, and Pervasive Tango 2000?

A. Animation creation
B. Three-dimensional rending
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 Dreamwear 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 NO 6
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></A>

Incorrect answers:
A, B: Not related to question
C: There is no <INLINE> tag.

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

QUESTION NO 7
Consider the following HTML code example:

<B>Title</B>
<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 tage 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 NO 8
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> tag NAME attribute with value of "KEYWORDS". If it is available than 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 MULTIPLUE CONTENTS.
C, D: There is no tag like this in HTML.

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

QUESTION NO 9
Which HTML version includes features that improve accessibility for physically challenged users?

A. HTML 4.0
B. HMTL 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 NO 10
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 NO 11
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 NO 12
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 NO 13
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 NO 14
Which of the following best describes the Document Object Model (DML)?

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 NO 15
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 NO 16
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 NO 17
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 : <A HREF="filename.htm"> Click here </A>)
</BODY>
</HTML>

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

QUESTION NO 18
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 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>

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 NO 19
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 NO 20
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 NO 21

HTML version 4.0 has three variants: HTML 4.o Strict, HTML 4.0 Frameset, and what?

A. HTML 4.0 Utilitarian
B. HTML 4.0 Transitional
C. HTML 4.0 Standard
D. 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 NO 22
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 NO 23
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 NO 24
Lashonda wants to use an emerging standard that combines Extensible Markup Language and Hypertext Markup Language. What is this markup language called?

A. XTML 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 HTML 4 [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 HTML 4 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 HTML 4 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 HTML 4-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: XTML stands for eXcel Table Markup Language. XTML 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 NO 25
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 NO 26
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 NO 27
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>
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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 NO 28
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 MULTITASING not multithreading.

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

QUESTION NO 29
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 NO 30
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 NO 31
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. Tunnning (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 NO 32
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 NO 33

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. <IMG> is a tag used to insert an image on the page. <IMG> 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 NO 34
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 Dreadweaver 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 NO 35
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.companyname.com

Incorrect answers:
A: Pricing – It is a html file of the newproducts subdirectory.
B: NewProducts - It is a subdirectory of marketing subdirectory.
D: companyname – It is a root directory.

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

QUESTION NO 36
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 NO 37
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 do 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 NO 38

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 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 NO 39
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 NO 40
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 NO 41
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 NO 42
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 designates 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 NO 43
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, CELLSPACING 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 NO 44
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 NO 45
Pierre plans 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 NO 46
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 NO 47
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		FFFFFF

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 NO 48
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 cline 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 NO 49
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 NO 50
Mohammad wants to indent a paragraph by 17 pixels. Which of the following tags should he use?

A. <INDENT PARA = 17>
B. <IMG SRC=‘transparent.gif’ HEIGHT= “2” WIDTH= “17”>
C. <IMG SRC=transparent.gif WIDTH= 17>
D. <IMG SRC=‘transparent.gif’ WIDTH= “17”>

Answer: D

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 NO 51
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 NO 52

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 NO 53

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 allows 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 NO 54
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:
<A HREF="downloadfile.zip">Click here to download</A>

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:
<A HREF="downloadfile.zip">Click here to download</A> (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 Plusg-Ins.

QUESTION NO 55
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 NO 56
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 NO 57
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 NO 58
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 NO 59
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 NO 60
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 front 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 NO 61
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 tis 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 NO 62
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 NO 63
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 NO 64
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 NO 65
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 NO 66
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 NO 67
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>
```

<u>Important List of changeable style elements:</u>

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 NO 68
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 NO 69
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 designates the number and size of columns or rows in a browser.

Frame sizes express 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 remain 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 express 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 NO 70
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 Fundametals.

QUESTION NO 71
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 NO 72
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 NO 73
Which HTTP_EQUIV attribute value controls the page cache to the browser folder?

A. <META>
B. SET-OOKIE
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 cline 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.

<u>Other HTTP-EQUIV attribute value</u>

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=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 NO 74
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 NO 75
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 NO 76
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 NO 77
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 NO 78
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 wngines 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 NO 79
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 NO 80
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 change higher fees for listing the web site

Answer: A

Explanation:
Browsers can include some futures, which is not part of current HTML standard. This proprietary features are called extensions. For example, there is two common extensions to the HTML standard are <BLINK> which supported by Netscape Navigator and <MARQUEE> which is supported by Internet Explorer.

Understand that this future may or may not be include in 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. A HTML file, which is included a proprietary extensions 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 NO 81
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