CST 150 – Web Design and Development I
Midterm Exam Study Questions
Chapters 1 - 3

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. A host that provides storage space for saving and retrieving files is called a ______.
   a. server
   b. print server
   c. file server
   d. client-server

____ 2. The founders of the Web developed a system of _____ documents.
   a. hypertext
   b. active
   c. parsed
   d. dynamic

____ 3. The first popular markup language introduced in the 1980s was ______.
   a. HTML
   b. SGML
   c. XHTML
   d. XML

____ 4. Documents on the Web are known as Web _____.
   a. sites
   b. links
   c. pages
   d. indices

____ 5. A Web ____ is a software program that retrieves the page and displays it.
   a. browser
   b. client
   c. station
   d. server

____ 6. _____ browsers were incapable of displaying images.
   a. PDA
   b. Text-based
   c. Graphical
   d. Markup

____ 7. Web pages are text files written in a language called _____.
   a. SGML
   b. Java
   c. Perl
   d. HTML

____ 8. A _____ language is a language used to describe the content and structure of documents.
   a. markup
   b. parsed
   c. validated
   d. dictionary

____ 9. Each browser has its own ______ style sheet that specifies the appearance of different HTML elements.
   a. external
   b. internal
   c. integrated
   d. stand-alone

____ 10. The World Wide Web Consortium has created a set of _____, or specifications, that all browser manufacturers follow.
    a. indices
    b. standards
    c. sheets
    d. styles

____ 11. If an element contains text or another element, it is marked using a ______ tag set in which an opening tag and a closing tag enclose the element content.
    a. double
    b. one-sided
    c. two-sided
    d. single
12. HTML version ____ added support for style sheets to give Web designers greater control over page layout and appearance.
   a. 1.0  
   b. 2.0  
   c. 3.0  
   d. 4.01

13. HTML version ____ added interactive elements, including Web forms.
   a. 1.0  
   b. 2.0  
   c. 3.0  
   d. 4.01

14. XHTML version ____ is a reformulation of HTML 4.01 in the XML language in order to provide enforceable standards for HTML content and to allow HTML to interact with other XML languages.
   a. 1.0  
   b. 2.0  
   c. 2.0  
   d. 5.0

15. XHTML version ____ is an update to HTML 4.01 that provides support for a variety of new features including semantic page elements, column layout, form validation, offline storage, and enhanced multimedia.
   a. 1.0  
   b. 1.1  
   c. 2.0  
   d. 5.0

16. A Web page ____ can also create a style sheet that takes precedence over the internal style sheets of browsers.
   a. designer  
   b. author  
   c. writer  
   d. creator

17. An HTML document is composed of ____ that represent distinct items in the Web Page, such as a paragraph, the page heading, or even the entire body of the page itself.
   a. tags  
   b. elements  
   c. graphics  
   d. text

18. A two-sided tag contains a(n) ____ tag that tells the browser to turn on a feature and apply it to the content that follows.
   a. opening  
   b. introductory  
   c. formatting  
   d. empty

19. In a two-sided tag, a(n) ____ tag indicates the content's end.
   a. end  
   b. closing  
   c. empty  
   d. exit

20. Closing tags are identified by the ____ that precedes the tag name.
   a. question mark  
   b. exclamation point  
   c. slash  
   d. ampersand

21. In addition to content, elements also support ____ that specify the use, the behavior, and in some cases the appearance of an element.
   a. attributes  
   b. formats  
   c. characteristics  
   d. display

22. The ____ contains general information about the document such as the document title, or a list of keywords that would aid search engines in directing interested users to the page.
   a. head element  
   b. html element  
   c. body element  
   d. list element

23. The document ____ is not displayed within the page, but is usually displayed in a browser’s title bar or on a browser tab.
24. To add notes or comments, insert a comment tag using the syntax ______
   a. `<---comment>`
   b. `<!--comment-->`
   c. `</--comment>`
   d. `<!--comment!-->`

25. A structural element that has content containing tangential or side issues to the main topic of the page is a(n) ______
   a. `<article>`
   b. `<footer>`
   c. `<nav>`
   d. `<aside>`

26. The first elements you add are ______ elements, which are elements that contain content that is viewed as a distinct block within the Web page.
   a. grouping
   b. structural
   c. heading
   d. paragraph

27. The syntax to mark a heading element is _______.
   a. `<li>content</li>`
   b. `<ol>content</ol>`
   c. `<hn>content</hn>`
   d. `<p>content</p>`

28. A(n) __ heading acts as a subtitle by grouping it with a main title heading using the hgroup element.
   a. li
   b. h1
   c. h2
   d. both b and c

29. To designate a paragraph element you would use the ____ tag.
   a. `<p>`
   b. `<li>`
   c. `<ol>`
   d. `<h1>`

30. You can mark extended quotes with the HTML ________ element.
   a. hgroup
   b. blockquote
   c. paragraph
   d. list

31. When you using the address element, the address text is displayed in _____ by default.
   a. bold
   b. underline
   c. italics
   d. bold italics

32. The technique of placing one element within another is called ____.
   a. linking
   b. nesting
   c. loading
   d. interlacing

33. A style sheet file has the file extension _____, which distinguishes it from an HTML file.
   a. .html
   b. .docx
   c. .css
   d. .htm

34. A text-level element does not start out on a new line, but instead flows alongside of, or ____ with, the rest of the characters in the grouping element.
   a. inside
   b. in margin
   c. inline
   d. online

35. The ______ element is used to mark general text-level content.
   a. span
   b. div
   c. cite
   d. mark
36. Item 1 indicated in the figure above is the ____ element.
   a. heading  
   b. body  
   c. block-level  
   d. link

37. Item 2 in the figure above represents the ______ of the style sheet.
   a. heading  
   b. filename  
   c. body  
   d. folder

38. Item 3 in the figure above represents the style sheet ______.
   a. text  
   b. filename  
   c. link  
   d. language

39. Another empty element is hr, the horizontal ____ element, which marks a major topic change within a section.
   a. line  
   b. rule  
   c. space  
   d. row

40. The most commonly used character set on the Web is ____.
   a. UTF-8  
   b. ASCII  
   c. Latin-1  
   d. ISO 8859-1

41. Another way to insert a special symbol is to use a ___________.
   a. character entity reference  
   b. character encoding  
   c. numeric character reference  
   d. special character reference

Case-Based Critical Thinking Questions

Case 1-1
Lucy wants to develop a Web page to display her information. She wants to just start with a basic page that lists her accomplishments, her work history, and the different computer classes she has taken. She would like each section clearly identified.

42. Lucy's page will require at least ____ headings for what she wants to display.
   a. 3  
   b. 1  
   c. 2  
   d. 6

43. Which type of list would work best for listing Lucy's accomplishments?
   a. ordered list  
   b. header list  
   c. definition list  
   d. unordered list

Case-Based Critical Thinking Questions
Case 1-2
Ted is asked to create a page of family photos for his family reunion Web site. He will have about 20 pictures to post, with a caption that he wants to display before each one. Each picture is a group photo of a particular family.

44. Which tag will Ted need to use to display the pictures?
   a. paragraph
   b. body
   c. horizontal rule
   d. image

45. Ted has decided to use a <h3> for his captions. What attribute could he add to make sure they are centered?
   a. break
   b. align
   c. both a and b
   d. None of the above

Case-Based Critical Thinking Questions

Case 1-3
Lew Russell, owner of Lew’s Surfboards, would like to develop a page that would show a list of surfboard types along with their descriptions.

46. Which tag should Lew use to create a list to display his surfboard types?
   a. ordered
   b. definition
   c. unordered
   d. None of the above

47. If Lew wanted to accent the division between the surfboard types, he could use which of the following?
   a. horizontal line
   b. whitespace
   c. style
   d. two-sided align

48. You assign each anchor its own anchor name, using the ____ attribute.
   a. name
   b. anchor
   c. link
   d. identify

49. Sections of most commercial Web sites are off-limits except to subscribers and registered customers and have a(n) ____ Web page that users must go through to get to the off-limits area.
   a. password-protected
   b. protected
   c. unprotected-entry
   d. password key
50. The accompanying figure shows an example of a(n) ____ applied to a link.
   a. access       c. alternative
   b. tooltip      d. base

51. Every Web site includes a list containing links to main topic areas of the site called a(n) ____.
   a. site list    c. navigation list
   b. topic list   d. map list

52. The links.htm file is in the same folder as the chem.html file. What is the relative path name for the links.htm file?
   a. tutorial02_tutorial_links.htm       c. /tutorial02/tutorial/chem/links.htm
   b. links.htm                             d. /tutorial02/tutorial/links.htm

53. A file named “chem.htm” in the tutorial02 folder on drive C of your computer has what absolute pathname?
   a. /C/tutorial02/chem.htm                c. /C/tutorial02/chem.htm
   b. /C:tutorial02/chem.htm                d. /C/tutorial02/chem.htm

54. Most Web designers use ____ pathnames in their hypertext links.
   a. absolute       c. interpreted
   b. relative       d. regular

55. A(n) ____ path specifies the location for a file in relation to the folder containing the current Web document.
   a. absolute       c. relative
   b. interpreted    d. regular

56. As with absolute pathnames, folder names are separated by ____ in relative pathnames.
   a. commas         c. ampersands
   b. periods        d. slashes

57. Which of the following relative pathnames is interpreted as “the index.htm file is in the folder one level up in the folder tree from the current file”?
   a. ./index.htm    c. /index.htm
   b. ../index.htm   d. ___/index.htm

58. Which of the following relative pathnames is interpreted as “the rock.htm file is in the same folder as the current file”?
   a. /rock.htm      c. ../rock.htm
   b. /rock.htm      d. rock.htm

59. If you want an external document to be displayed in its own browser window, you can assign the ____ keyword to the target attribute.
   a. _same         c. _this
   b. _blank        d. _over

60. Web browsers communicate with Web servers using the ____ communication protocol.
   a. HTTP          c. URL
   b. HTML          d. FTP

61. In the URL http://www.mwu.edu/course/info.html#majors, the protocol is ____.
   a. http          c. /course/info.html
   b. www.mwu.edu   d. #majors

62. In the URL http://www.mwu.edu/course/info.html#majors, the server is ____.
63. In the URL http://www.mwu.edu/course/info.html#majors, the path and filename of the document are ____.  
   b. www.mwu.edu 
   c. /course/info.html 
   d. #majors 

64. In the URL http://www.mwu.edu/course/info.html#majors, the id/anchor name is ____.  
   b. www.mwu.edu 
   c. /course/info.html 
   d. #majors 

65. If you want all of the links in your document to point to a new window, you can add the target attribute to a(n) ____ element in the document’s header.  
   a. title 
   b. base 
   c. a 
   d. script 

66. Hotspots are defined through the use of ____ maps.  
   a. target 
   b. image 
   c. practice 
   d. link 

67. A(n) ____ map lists the position of all hotspots within a particular image.  
   a. target 
   b. practice 
   c. image 
   d. hot 

68. Which of the following is a type of image map?  
   a. server-side 
   b. client-side 
   c. target-side 
   d. Both A and B 

69. What part of the image hotspot indicates a file or location link?  
   a. shape 
   b. href 
   c. coords 
   d. alt 

Case-Based Critical Thinking Questions

Case 2-1  
Ryan's Web Design wants to create a navigational menu using a picture that Ryan has created in MS Paint. The picture includes text names of the various Web sites for which he would like to create links. Each section of the picture he wants to make into links is not regularly shaped; instead they are more like trapezoids. 

70. What tag can Ryan use to make his image clickable for the five different links?  
   a. <imgmap> 
   b. <ftp> 
   c. <map> 
   d. <a> 

71. Ryan wants descriptive text to be displayed for each hotspot in non-graphical browsers. Which attribute should he use?  
   a. tip 
   b. alt 
   c. title 
   d. target 

Case-Based Critical Thinking Questions

Case 2-2
Life Decisions Cyber Cafe is a cafe with free Internet service and computers that are linked to various online career opportunities. They have set up their computers to display their Web site to help users have a starting point.

72. The owner thinks he may load some interview techniques videos on the Web site for customers to download and view. What should he include when linking to them?
   a. size info  
   b. type of video  
   c. tips for viewing  
   d. all the above

Case-Based Critical Thinking Questions

Case 2-3
Helen wants to create a Web site based on her famous cooking show. She would like to provide instructions on how to create some of her favorite dishes. She would like her recipes to be displayed in very simple, step-by-step pages.

73. Which structure would be the best for the storyboard created for one of her recipes?
   a. linear  
   b. mixed  
   c. protected  
   d. hierarchical

74. Helen decides that she wants to organize her recipes by categories such as summer, celebrations, etc. What would be the best structure for this part of his website?
   a. linear  
   b. mixed  
   c. protected  
   d. hierarchical

75. Overall, the entire Web site would have what type of structure?
   a. linear  
   b. mixed  
   c. protected  
   d. hierarchical

76. Helen wants to post information exclusively for the chefs in her restaurants. What type of structure should Helen use for these pages?
   a. linear  
   b. mixed  
   c. protected  
   d. hierarchical

77. The second version of CSS, CSS2, was introduced in 1998, expanding the language to provide styles to
   ________.
   a. set the font size, type, and other properties of Web page text  
   b. apply a background image to any element  
   c. specify background and foreground colors of different page elements  
   d. position elements at specific locations on a page

78. An external style sheet is included by adding the link element
   <link href=”________” rel=”stylesheet” type=”text/css” /> to the document head, where ______is the URL of the external style sheet file.
   a. stylesheet  
   b. text/css  
   c. url  
   d. href

79. The style sheet rules in a(n) ________ style sheet take precedence over any rules set in the browser’s internal style sheet or in a user-defined style sheet.
   a. internal  
   b. outside  
   c. embedded  
   d. external
80. Unlike an external style sheet, a(n) ______ style sheet is applied only to the Web page in which it is placed.
   a. linked c. embedded
   b. internal d. integrated

81. If two style rules have equal specificity, and thus equal importance, then the one that is defined ______ in the style sheet is the one used.
   a. last c. second
   b. first d. third

82. An additional factor in applying a style sheet is that properties are passed from a parent element to its children in a process known as ________.
   a. style sheets c. style inheritance
   b. an embedded style sheet d. style link

83. CSS supports styles to define both the text and ______ color for each element on your page.
   a. font c. style
   b. background d. forecolor

84. ______ units express font size relative to the size of other objects within the Web page.
   a. Absolute c. Standard
   b. Relative d. Output

85. A(n) _____ represents a single dot on the output device.
   a. element c. link
   b. icon d. pixel

86. A _____ element is an element that contains one or more other elements, which are child elements.
   a. family c. parent
   b. sibling d. descendant

87. The style rule
   * {color: blue;}
uses the asterisk (*) selector—also known as the ______ selector—to select all elements in the document.
   a. character c. wildcard
   b. text d. object

88. One reason to use the class attribute is to assign the same ______ to multiple elements that belong to the same class.
   a. rule c. style
   b. format d. theme
89. In the preceding figure, the item number _____ displays the shortcut property.
   a. 1  
   b. 2  
   c. 3  
   d. 4

90. In the preceding figure, the item number _____ sets the background color to dark and the text color to white or semi-transparent white.
   a. 1  
   b. 2  
   c. 3  
   d. 4

91. The great advantage of a Web font is that it gives a designer control over the ______ used in a document.
   a. theme  
   b. style  
   c. font  
   d. typeface

92. The following are some errors that can cause your style sheets to fail, except for ______
   a. missing semicolons  
   b. missing colons  
   c. missing curly braces  
   d. typos

93. To display an ordered list with alphabetical markers such as
   A. Home
   B. Getting Started
   C. Scrapbooking Tips
   D. Supply List
   you would apply the following list style to the ol element:
   a. ol {list-style-type: lower-roman;}  
   b. ol {list-style-type: upper-greek;}  
   c. ol {list-style-type: upper-roman;}  
   d. ol {list-style-type: upper-alpha;}

94. The style rule
   ul {list-style-image: url(redball.gif);}  
   displays items from ______ lists marked with the graphic image in the redball.gif file.
   a. ordered  
   b. unordered  
   c. unstructured  
   d. structured

95. _______ effects can be created using pseudo-classes.
   a. Cascading  
   b. Rollover  
   c. Hover  
   d. Link

96. A_______ is a classification of an element based on its current status, position, or use in the document.
   a. psuedo-class  
   b. psuedo-element  
   c. psuedo-text  
   d. psuedo-style

Case-Based Critical Thinking Questions

Case 3-1
Art’s Woodworking Shop is trying to design a Web page with CSS. Art would like create the new design based on the latest elements and styles from HTML and CSS. He has created a few sample pages:
   home.htm ---describes the business and contact information
   Product.htm ---list of product descriptions
   Custom.htm ---list of custom products

97. The first step is determine how to render the document. The style sheet used on the Web is the ______.
a. HTML                  c. CSS
b. W3C                   d. XHTML

98. The design applied to a Web site is usually a combination of several style sheets. Art has submitted three Web pages with style sheets. Art needs to remember the ____ style sheet interpreted by the browser is the one built in to the browser itself.
   a. second                  c. first
   b. third                   d. last

99. Art’s product style sheets can be imported into a single sheet by adding the command _____
   a. @import url (url1);    c. @import url (home.css);
   b. @import url (product.css);    d. @import.url (custom.css);

Case-Based Critical Thinking Questions

Case 3-2
Terry is building a Web site and wants to have three main links called Home, Product Info, and Contact Us. She will create a hierarchy of page elements and revise the style sheets.

100. Using Terry’s three pages, the Home page contains two _____ elements.
    a. child              c. sibling
    b. parent             d. descendant

101. Terry has decided to display the text of all h1 headings found within the page header in green. The style rule applied is _____.
    a. header h1 {shade: green;}
    b. header h1 {green: shade;}
    c. header h1 {green: color;}
    d. header h1 {color: green;}

102. To apply a style to all elements in a document, Terry would use the ____ selector.
    a. e
    b. f
    c. *
    d. +

103. If Terry decides to use _____ selector then all elements will belong to the main class.
    a. .main
    b. p.main
    c. #intro
    d. a[href]

Case-Based Critical Thinking Questions

Case 3-3
Tim is creating a page to display his poker club’s set of rules. He has main categories and subcategories along with about a paragraph or more of explanation for each.

104. Tim should use what type of font for the categories and subcategories?
    a. serif
    b. monospace
    c. sans-serif
    d. fantasy

105. Tim wants to display the subcategories in capital letters but does not want them to appear more important than the main categories, so he wants small capital letters. Which style should he use?
    a. text-transform
    b. font-transform
    c. font-variant
    d. text-variant
106. Tim wants to align the top of the element with the top of the font of the surrounding content. Which value should he use?
   a. baseline
   b. super
   c. top
   d. text-top

Completion
Complete each statement.

1. A Web page is stored on a Web ________________.

2. To view a Web page, the client runs a Web ________________.

3. HTML stands for ________________.

4. Each element is marked within the HTML file by one or more __________.

5. The rules that govern how code should be entered are called ________________.

6. Most current browsers also use the presence or absence of a doctype to decide which mode they should use to render a document in a process known as ________.

7. In a(n) ________________ list, the list items are not listed in a particular order.

8. The ________________ target name for browser windows opens the link in the current browser window.

9. A(n) ________________ path provides a precise location for a file within the entire folder structure of a computer.

10. When there are many folders and subfolders involved, ________________ pathnames can be cumbersome and confusing.

11. A URL, short for ________________, specifies a precise location on the Web for a file.

12. HTTP is short for ________________.

13. FTP, short for ________________, is a communication protocol that file servers can use to transfer information.

14. An ________________ style is a style that is applied directly to an element through the use of the style attribute.

15. A color ________________ is a numerical expression that precisely describes a color.