Import Settings:

Base Settings: Brownstone Default

Information Field: Complexity

Information Field: Ahead

Information Field: Subject

Information Field: Title

Highest Answer Letter: D

Multiple Keywords in Same Paragraph: No

NAS ISBN13: 9781284093674, add to Ahead, Title tags

**Chapter: Midterm**

**Multiple Choice**

1. For the URL http://www.bbc.com/news/meltingArcticIceFlows.jpg, news is the

A) directory path to the target file.

B) domain.

C) target file.

D) web server computer or a subdomain.

Ans: A

Complexity: Moderate

Ahead: Web Page Example

Subject: Chapter 1

Title: Introduction to Web Programming

2. What does the “WG” in WHATWG stand for?

A) World Governance

B) World Group

C) Wide Guard

D) Working Group

Ans: D

Complexity: Moderate

Ahead: History of HTML

Subject: Chapter 1

Title: Introduction to Web Programming

3. Given the following HTML code that forms the top of a web page, what instruction should appear above the code?

<html>

<head>

<title>Sample Web Page

</head>

A) <!DOCTYPE html>

B) <doctype html>

C) <DOCTYPE>

D) <doctype>

Ans: A

Complexity: Moderate

Ahead: HTML Coding Conventions

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

4. The purpose of the W3C’s Tidy tool is to:

A) organize the web pages currently open in a user’s browser.

B) organize the web pages stored on a web server.

C) check a web page to ensure that it complies with HTML5 standard.

D) check a web page to ensure that it complies with coding-convention style rules.

Ans: D

Complexity: Difficult

Ahead: HTML Coding Conventions

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

5. Which of the following elements is in the heading content model category?

A) a

B) h5

C) h10

D) title

Ans: B

Complexity: Moderate

Ahead: Content Model Categories

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

6. To provide an indication that text that has been deleted, what container element should you surround the text with?

A) del

B) delete

C) erase

D) expunge

Ans: A

Complexity: Easy

Ahead: Editing Elements

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

7. You can use the time element’s datetime attribute to specify the date by using which of the following formats for its value?

A) yyyy-mm-dd

B) yyyy-monthName-dd

C) monthName/dd/yy

Ans: A

Complexity: Moderate

Ahead: dfn, abbr, and time Elements

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

8. The kbd element indicates that its enclosed text is:

A) input for a program.

B) output for a program.

C) a program-generated error message.

D) programming code.

Ans: A

Complexity: Moderate

Ahead: Code-Related Elements

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

9. Given the following CSS rule, which type of selector is used?

.funky {color: darkorchid;}

A) Type selector

B) Universal selector

C) Class selector

D) Pseudo selector

Ans: C

Complexity: Moderate

Ahead: Class Selectors

Subject: Chapter 3

Title: Cascading Style Sheets

10. Which of the following CSS-rule locations has the highest priority for determining the application of CSS rules?

A) In the browser's native default settings

B) In an external CSS file

C) In a style element in the web page’s head section

D) In the user’s wish box

Ans: C

Complexity: Moderate

Ahead: Cascading

Subject: Chapter 3

Title: Cascading Style Sheets

11. Which of the following CSS-rule locations has the lowest priority for determining the application of CSS rules?

A) In the browser's native default settings

B) In an external CSS file

C) In a style element in the web page’s head section

D) In the user’s wish box

Ans: A

Complexity: Moderate

Ahead: Cascading

Subject: Chapter 3

Title: Cascading Style Sheets

12. Why do coding conventions suggest not using the style attribute?

A) The HTML5 standard does not include the style attribute.

B) It leads to code inefficiencies.

C) It defeats the purpose of CSS: keeping presentation separate from content.

Ans: C

Complexity: Easy

Ahead: style Attribute, style Container

Subject: Chapter 3

Title: Cascading Style Sheets

13. Which of the following would be a valid comment in an external CSS file?

A) <!-- this is a CSS comment. -->

B) <comment>this is a CSS comment.</comment>

C) // this is a CSS comment

D) /\* this is a CSS comment. \*/

Ans: D

Complexity: Moderate

Ahead: External CSS Files

Subject: Chapter 3

Title: Cascading Style Sheets

14. Which of the following is an integer-format RGB value for dark blue?

A) rgb(100,100,255)

B) rgb(200,200,255)

C) rgb(50,100,50)

D) rgb(0,0,100)

Ans: A

Complexity: Moderate

Ahead: RGB Values for Color

Subject: Chapter 3

Title: Cascading Style Sheets

15. Suppose a web page has a elements inside a nav container. There is a nav type selector rule that applies a red background to matched elements and there is a nav > a child selector rule that applies a blue background to matched elements. What color will be applied to the a elements?

A) Red

B) Blue

C) It is unclear because the rules conflict.

Ans: B

Complexity: Moderate

Ahead: Child Selectors

Subject: Chapter 4

Title: Organizing a Page’s Content with Lists, Figures, and Various Organizational Elements

16. To create a flexbox layout, you should use which of the following?

A) The flex container

B) The flexiblebox container

C) display: flex within a CSS rule

D) flexible: box within a CSS rule

Ans: C

Complexity: Difficult

Ahead: thead and tbody Elements

Subject: Chapter 5

Title: Tables and CSS Layout

17. To help a screen reader know which header cell a data cell is associated with:

A) use the th element’s data attribute with a value that matches the associated data cell’s id value.

B) use the td element’s headers attribute with a value that matches the associated header cell’s id value.

C) apply a header: *heading-cell-id* CSS rule to the data cell where the *heading-cell-id* value matches the associated header cell’s id value.

Ans: B

Complexity: Difficult

Ahead: Web Accessibility

Subject: Chapter 5

Title: Tables and CSS Layout

18. In organizing a website’s links, a hierarchical structure is good for:

A) presenting a long article.

B) websites with multiple second-level pages that serve as starting points for different areas within your website.

C) websites that need to be highly accessible.

Ans: B

Complexity: Moderate

Ahead: Web Design

Subject: Chapter 6

Title: Links and Images

19. Given the following CSS rule, what type of selector is used?

\* {color: blue;}

A) Type selector

B) Universal selector

C) Class selector

D) Pseudo selector

Ans: B

Complexity: Moderate

Ahead: CSS Rules

Subject: Chapter 3

Title: Cascading Style Sheets

20. To specify uppercase letters for a list, what value should you use with the list-style-type CSS property?

A) decimal

B) titlecase

C) uppercase-letters

D) upper-alpha

Ans: D

Complexity: Moderate

Ahead: Ordered Lists

Subject: Chapter 4

Title: Organizing a Page’s Content with Lists, Figures, and Various Organizational Elements

21. With its 24-bit color palette, the JPEG image file format:

A) can store any picture with no color degradation.

B) is limited in its ability to store pictures accurately (because it introduces color degradation).

C) encrypts data (such as credit card information) to help with transaction security.

Ans: A

Complexity: Moderate

Ahead: Bitmap Image Formats: GIF, JPEG, PNG

Subject: Chapter 6

Title: Links and Images

**True/False**

1. True or False? For HTML’s content model categories, the phrasing category includes elements that would be appropriate for describing catch phrases that serve as headings for other content.

Ans: False

Complexity: Moderate

Ahead: Content Model Categories

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

2. True or False? For HTML’s content model categories, the flow category is a superset of several other categories.

Ans: True

Complexity: Moderate

Ahead: Content Model Categories

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

3. True or False? When the pre element surrounds whitespace, whitespace collapsing takes place.

Ans: False

Complexity: Easy

Ahead: pre Element

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

4. True or False? It is legal to have a p element inside another p element.

Ans: False

Complexity: Moderate

Ahead: Phrasing Elements

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

5. True or False? The span element is a generic phrasing element that does not provide any special meaning by itself.

Ans: True

Complexity: Moderate

Ahead: span and div Elements

Subject: Chapter 3

Title: Cascading Style Sheets

6. True or False? A global attribute is an attribute that can be used with any element.

Ans: True

Complexity: Easy

Ahead: style Attribute, style Container

Subject: Chapter 3

Title: Cascading Style Sheets

7. True or False? CSS inheritance is when a CSS property value flows down from a parent element to one or more of its child elements.

Ans: True

Complexity: Easy

Ahead: CSS Inheritance

Subject: Chapter 4

Title: Organizing a Page’s Content with Lists, Figures, and Various Organizational Elements

8. True or False? The CSS display property’s table-cell value can be used for mimicking a th element.

Ans: True

Complexity: Moderate

Ahead: display Property with Table Values

Subject: Chapter 5

Title: Tables and CSS Layout

9. True or False? For an element that uses absolute positioning, if you use the left property, you must also use the right property.

Ans: False

Complexity: Moderate

Ahead: Absolute Positioning

Subject: Chapter 5

Title: Tables and CSS Layout

10. True or False? With relative positioning, an element’s specified position is relative to its containing block.

Ans: False

Complexity: Moderate

Ahead: Relative Positioning

Subject: Chapter 5

Title: Tables and CSS Layout

11. True or False? All the images on a web page share the same color palette.

Ans: False

Complexity: Moderate

Ahead: Bitmap Image Formats: GIF, JPEG, PNG

Subject: Chapter 6

Title: Links and Images

12. True or False? One of the main benefits of the GIF image file format is that with its 8-bit color palette, GIF files tend to be small.

Ans: True

Complexity: Moderate

Ahead: Bitmap Image Formats: GIF, JPEG, PNG

Subject: Chapter 6

Title: Links and Images

13. True or False? Normally, you should omit an img element’s width and height attributes so that the image displays with its natural size.

Ans: False

Complexity: Easy

Ahead: img Element

Subject: Chapter 6

Title: Links and Images

14. True or False? One way to implement responsive images is with resolution switching. Resolution switching is when you provide a list of images for different versions of the same picture where the images have the same aspect ratios, but different sizes.

Ans: True

Complexity: Moderate

Ahead: Responsive Images

Subject: Chapter 6

Title: Links and Images

15. True or False? One way to implement responsive images is with art direction. Art direction is when you provide a list of images for different versions of the same picture where the images have different aspect ratios.

Ans: True

Complexity: Moderate

Ahead: Responsive Images

Subject: Chapter 6

Title: Links and Images

**Short Answer**

1. In 1993, Tim Berners-Lee and Dan Connolly submitted the first formal proposal for \_\_\_\_\_\_ to the Internet Engineering Task Force (IETF).

Ans: HTML

Complexity: Moderate

Ahead: History of HTML

Subject: Chapter 1

Title: Introduction to Web Programming

2. The blank, newline, and tab characters are referred to as \_\_\_\_\_\_\_\_\_\_ characters. They are invisible when displayed on the browser window.

Ans: whitespace

Complexity: Moderate

Ahead: Whitespace Collapsing

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

3. The “ins” in the ins element stands for \_\_\_\_\_\_.

Ans: insert

Complexity: Moderate

Ahead: Editing Elements

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

4. If you want absolute positioned boxes to have their text aligned vertically at their bottoms, then for each box you should include not only the top property (with the same value for each box), but also the \_\_\_\_\_\_ property (with the same value for each box).

Ans: height

Complexity: Difficult

Ahead: Absolute Positioning

Subject: Chapter 5

Title: Tables and CSS Layout

5. A pseudo-class begins with a colon and it conditionally selects elements from a group of elements specified by the selector at the immediate left of the colon. If there is no explicit selector, then the implicit selector is \_\_\_\_\_\_.

Ans: \*, the universal selector

Complexity: Difficult

Ahead: Navigation Within a Web Page

Subject: Chapter 6

Title: Links and Images

6. The \_\_\_\_\_\_ image file format was invented in 1996 as an open-source alternative to the GIF format because the GIF format was copyright protected.

Ans: PNG

Complexity: Moderate

Ahead: Bitmap Image Formats: GIF, JPEG, PNG

Subject: Chapter 6

Title: Links and Images

7. By default, browsers use purple to display links that have been clicked recently. They are formally known as \_\_\_\_\_\_ links.

Ans: visited

Complexity: Moderate

Ahead: CSS for Links

Subject: Chapter 6

Title: Links and Images

8. You should always surround attribute values with \_\_\_\_\_\_\_, thus forming a string.

Ans: quotes

Complexity: Moderate

Ahead: HTML Attributes

Subject: Chapter 1

Title: Introduction to Web Programming

**Essay**

1. What is source code?

Ans: Source code is code that the programmer enters.

Complexity: Moderate

Ahead: Structural Elements

Subject: Chapter 1

Title: Introduction to Web Programming

2. What does it mean for container elements to be properly nested?

Ans: If you start a container inside another container, you must end the inner container before you end the outer container.

Complexity: Moderate

Ahead: Structural Elements

Subject: Chapter 1

Title: Introduction to Web Programming

3. To improve the following code’s style, what should you do with the &quot; character references?

<p>And God said &quot;Let there be light.&quot;</p>

Ans: Replace them with quotes ("").

Complexity: Moderate

Ahead: Character References

Subject: Chapter 2

Title: Coding Standards, Block Elements, Text Elements, and Character References

4. Consider the following code:

<img id="zoomba-class" src="zoomba.jpg" alt="zoomba class">

Assume the above img element is positioned within the current web page. Provide an element that would link to the above img element.

Ans: <a href="#zoomba-class">Zoomba Class</a>

Complexity: Difficult

Ahead: nav and a Elements

Subject: Chapter 4

Title: Organizing a Page’s Content with Lists, Figures, and Various Organizational Elements

5. What is the purpose of the ol element’s start attribute?

Ans: It causes list item labels to start at a specified position.

Complexity: Moderate

Ahead: Ordered Lists

Subject: Chapter 4

Title: Organizing a Page’s Content with Lists, Figures, and Various Organizational Elements

6. To establish relative positioning, what value should be used with the position property?

Ans: relative

Complexity: Moderate

Ahead: Relative Positioning

Subject: Chapter 5

Title: Tables and CSS Layout