* Last Name _____

* First Name _____

* Student # _____

Instructions

CST8285 – Web Programming Mid-Term Assessment Test Duration: 60 Minutes

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO

You must fill in the Mark Sense sheet with a HB Pencil only.

1. You are not allowed to use the following electronic equipment during the assessment: a. No Laptops/No computers/No cell phones. b. No electronic translators, c. No headphones/wireless headphones/ear buds/Apple iPods

2. This is a CLOSED BOOK assessment. Only one cheat sheet is allowed

3. This assessment has 45 questions. Each multiple-choice question has only one correct answer. Choose the BEST answer for a given multiple-choice question. Write your full name and student number on question and answer sheets. All questions are 1 point each.

4. Put your first and last name on the MarkSense sheet!

   I. Fill in the bubbles under your name. II. Fill in your student ID, III. Fill in your instructor's name: Abul Qasim IV. Fill in the test name : CST8285 – Mid-Term V. DO NOT fill in the Sex, Age, MSS, MWS, or the Semester Bubble

5. You have ONE MarkSense sheet, your assessment question paper. If you need a replacement Mark Sense sheet please ask.

6. Hand in the MarkSense sheet and question sheets. Once you have finished, Quietly hand in your paper

Question 1: What does HTML stand for?

```
    a) Hyper Transfer Markup Language
    b) High-Level Text Markup Language
    c) Hyper Text Markup Language
    d) Hyperlink and Text Markup Language
```

Question 2: In HTML, what does the "head" element primarily contain?

```
    a) Main content of the web page
    b) Metadata and document information
    c) Footer information
    d) Links to external websites
```

Question 3: Which part of an HTML document contains the visible content of a web page?

```
    a) `<head>`
    b) `<meta>`
    c) `<body>`
    d) `<title>`
```

Question 4: Which HTML tag is used to create a hyperlink in a web page?

```
    a) `<link>`
    b) `<a>`
    c) `<hyperlink>`
    d) `<url>`
```

Question 5: Which HTML element is used to create an unordered list?

```
    a) `<ul>`
    b) `<list>`
    c) `<ol>`
```

Question 6: How can you link multiple CSS style sheets in an HTML document?

```
    a) Using the `<css>` tag with multiple href attributes
    b) Using the `<link>` tag with separate `<style>` elements
    c) Using the `@import` rule within a single CSS file
    d) Using the `<link>` tag with multiple href attributes
```

Question 7: Which HTML element is used to define a table row?

```
    a) `<row>`
    b) `<tr>`
    c) `<table-row>`
    d) `<td>`
```

Question 8: Which of the following is a best practice for improving web accessibility?

```
    a) Using small font sizes to fit more content on the screen
    b) Providing alt text for images
    c) Using only images to convey important information
    d) Using complex color schemes for text and backgrounds
```

Question 9: What is wireframing in web design?

```
    a) A technique for adding animation to a website
    b) The process of designing the visual layout of a website
    c) A way to test website performance
    d) A visual representation of a website's layout and structure
```

Question 10: What is CSS primarily used for?

```
    a) Server administration
    b) Styling web pages
    c) Database management
    d) Graphic design
```

Question 11: Which CSS property is used to change the color of text?

```
    a) `text-color`
    b) `color`
```

```
    c) `font-color`
    d) `text-style`
```

Question 12: What does the "box-sizing" property in CSS control?

```
    a) It adjusts the spacing between elements
    b) It defines how the width and height of an element are calculated
    c) It sets the background color of an element
    d) It determines the font size of an element
```

Question 13: What is the significance of using the "reset" CSS technique?

```
    a) It clears all browser default styles to create a consistent
 starting point for styling
    b) It enhances the performance of CSS rendering engines
    c) It provides a fallback mechanism for unsupported CSS properties
    d) It resets all CSS properties to their default values for debugging
 purposes
```

Question 14: Which CSS property is used to create space between the border and content of an element in the box model?

```
    a) `margin`
    b) `padding`
    c) `border-spacing`
    d) `spacing`
```

Question 15: What is the purpose of the CSS property "display: none;"?

```
    a) It hides the element from the page layout.
    b) It positions an element to the left or right within its containing
 element.
    c) It makes the text italicized.
    d) It applies a shadow to text.
```

Question 16: In Flexbox, what property is used to align items along the main axis?

```
    a) `justify-content`
    b) `align-items`
    c) `flex-align`
    d) `align-content`
```

Question 17: Which CSS selector is used to select an element by its ID?

```
    a) `#`
    b) `.`
    c) `*`
    d) `:`
```

Question 18: What is the purpose of the HTML "alt" attribute in `<img>` tags?

```
    a) It specifies the alignment of the image.
    b) It defines the alternative text for the image, which is displayed
  if the image cannot be loaded.
    c) It sets the border color of the image.
    d) It determines the width and height of the image.
```

Question 19: In HTML, which tag is used to create a hyperlink?

```
    a) `<link>`
    b) `<a>`
    c) `<hyperlink>`
    d) `<url>`
```

Question 20: Which protocol governs how data packets are transferred over the internet from one machine to another?

```
    a) UDP
    b) TCP/IP
    c) HTTP
    d) FTP
```

Question 21: How can you specify all background properties in a

single line in CSS?

```
      a) Using the "background" property
      b) Using the "bg" shorthand property
      c) Using the "background-all" property
      d) Using the "background-style" property
```

Question 22: In HTML, which element is used to create an ordered list?

```
      a) `<ul>`
      b) `<list>`
      c) `<ol>`
      d) `<li>`
```

Question 23: What does the "em" unit in CSS represent?

```
      a) Equal to the font size of the parent element
      b) Equal to 1/72 of an inch
      c) Equal to 100% of the viewport width
      d) Equal to the height of the parent element
```

Question 24: What is the purpose of the HTML "title" tag?

```
      a) It specifies the title of the web page.
      b) It defines the title of an image.
      c) It sets the title attribute of an anchor link.
      d) It determines the title of a table.
```

Question 25: Which HTML element is used to group related form controls together?

```
      a) `<group>`
      b) `<container>`
      c) `<fieldset>`
      d) `<section>`
```

Question 26: What is the primary goal of Responsive Web Design?

```
      a) To create websites that look exactly the same on all devices.
      b) To adapt websites gracefully to different screen sizes and devices.
```

```
    c) To eliminate the need for CSS rules in web development.
    d) To make websites load faster on desktop computers.
```

Question 27: How can you associate a `<label>` element with a form input element?

```
    a) Using the "for" attribute in the `<label>` element
    b) Nesting the `<label>` element inside the `<input>` element
    c) Using the "connect" attribute in the `<label>` element
    d) Placing the `<input>` element inside the `<label>` element
```

Question 28: Which HTML element is used to create a comment in the code?

```
    a) `<!-- -->`
    b) `<comment>`
    c) `<note>`
    d) `<rem>`
```

Question 29: When styles conflict, according to CSS cascading, which style wins:

```
    a) Inline style
    b) External css
    c) Internal css
```

Question 30: What is the purpose of the CSS property "flex-grow" in Flexbox?

```
    a) It specifies the initial size of a flex item
    b) It defines the size of a flex item relative to the rest of the flex
  items in the flex container
    c) It adjusts the spacing between elements
    d) It determines the font size of a flex item
```

Question 31: Which CSS property is used to add space between the content and the border of an element?

```
    a) padding
    b) margin
    c) border-spacing
    d) spacing
```

Question 32: According to the WAI guidelines, what is the purpose of providing text alternatives for nontext content on a website?

```
    a) To make the website more visually appealing
    b) To reduce the size of web pages
    c) To ensure that content can be understood by all users, including
  those with disabilities
    d) To improve website security
```

Question 33: In CSS, what does "Cascading" refer to?

```
    a) The process of applying styles to HTML elements
    b) The specific order in which stylesheets are loaded
    c) The hierarchy of HTML elements in a web page
    d) The way styles are inherited and overridden
```

Question 34: Which CSS property is used to center an element horizontally within its parent container in a flexbox?

```
    a) align-content
    b) justify-content
    c) text-align
    d) align-items
```

Question 35: What is the fixed-size unit that is used in screen media?

```
    a) Points
    b) Pixels
    c) Dots
```

Question 36: Which of the following is NOT an example of an HTML5 semantic structure element?

```
    a) `<header>`
    b) `<nav>`
    c) `<div>`
    d) `<footer>`
```

Question 37: Which layout model is two dimensions?

```
    a) Flexbox
    b) Grid
```

Question 38: Which browser feature allows developers to inspect and manipulate the CSS styles of a webpage?

```
    a) Browser extensions
    b) DevTools (Developer Tools)
    c) CSS Inspector
    d) HTML Validator
```

Question 39: What is the purpose of the CSS property "float"?

```
    a) It makes text italicized.
    b) It positions an element to the left or right within its containing
  element.
    c) It changes the font family of the text.
    d) It applies a shadow to text.
```

Question 40: What is the purpose of the Domain Name System (DNS)?

```
    a) To assign IP addresses to computers
    b) To map written names to IP addresses
    c) To establish port numbers for communication
    d) To define the structure of URLs
```

Question 41: What happens when a URL is entered into a web browser?

```
    a) The browser connects directly to the requested website
    b) The browser requests the IP address of the website from the DNS
  server
    c) The browser sends a GET request to the W3C server
    d) The browser authenticates the URL using SSL/TLS
```

Question 42: What layout model is being used in this code snippet?

```
    a) Flexbox
    b) Grid
    c) Box Model
```

Question 43: Which CSS property is used to specify the font size of an element?

```
    a) font-size
    b) fontsize
    c) text-size
    d) size-font
```

Question 44: In CSS, which property is used to change the background color of an element?

```
    a) text-color
    b) background-color
    c) element-color
    d) color-background
```

Question 45: What is the purpose of the CSS property "align-items" in Flexbox?

```
    a) It aligns flex items along the main axis.
    b) It aligns flex items along the cross axis.
    c) It aligns flex items evenly within the container.
    d) It aligns flex items at the start of the container.
```