**Contestant Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Rank: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**FUNDAMENTALS OF**

**WEB DESIGN**

(405)

**REGIONAL 2022**

**Production:**

 **Multiple Choice (20 @ 5 pts each) \_\_\_\_\_\_\_\_\_\_ (100 points)**

 **HTML Application \_\_\_\_\_\_\_\_\_\_ (125 points)**

 **CSS Application \_\_\_\_\_\_\_\_\_\_ (75 points)**

 **TOTAL POINTS \_\_\_\_\_\_\_\_\_\_ (300 points)**

**Test Time: 90 minutes**

**GENERAL GUIDELINES:**

*Failure to adhere to any of the following rules will result in disqualification:*

1. Member must hand in this test booklet and all printouts if any.
2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests (handwritten, photocopied, or keyed) are allowed in the testing area.
3. Electronic devices will be monitored according to ACT standards.

**MULTIPLE CHOICE**

Select the letter that *best* answers the question.

* 1. Which tag would be appropriate to use for an ordered list?
		1. <ul>
		2. <li>
		3. <ol>
		4. <ord>
	2. What is the correct tag to use to encompass all HTML on a page?
		1. <body></body>
		2. <head></head>
		3. <all></all>
		4. <html></html>
	3. What is the correct syntax for a closing tag?
		1. <closing/>
		2. /<closing>
		3. </closing>
		4. closing>
	4. What number system is used to represent colors when formatting web elements?
		1. binary
		2. octal
		3. decimal
		4. hexadecimal
	5. Which style attribute aligns text?
		1. align
		2. text
		3. text-align
		4. font-align
	6. What does HTML stand for?
		1. hypertext markup language
		2. hypotext markup language
		3. hypertext machine language
		4. hypertext markup links
	7. What does CSS stand for?
		1. Creative Style Sheets
		2. Colorful Style Sheets
		3. Computer Styling Sheets
		4. Cascading Style Sheets
	8. What is the difference between HTML and CSS?
		1. HTML is for styles and CSS is the outline of the site
		2. HTML is the structure of the site and CSS is the style of the site
		3. HTML is for multimedia and CSS is for text
		4. HTML is for metadata and CSS is the content of the site
	9. To make content easier to see, default foreground and background color combinations should provide sufficient \_\_\_\_\_\_\_.
		1. saturation
		2. information
		3. contrast
		4. hue
	10. Good practice in cross-browser capability is to define which version of HTML you are using. What version of HTML are you using if you use the <!DOCTTYPE html> declaration?
		1. 4.1
		2. 3.2
		3. 6
		4. 5
	11. When planning for good cross-browser capability, what would be a good principle to follow in regards to font?
		1. Use a font specific to your computer and include the file in your web files.
		2. Only use Times New Roman.
		3. Use the attribute font-family to allow the computer to use the font you specify or something similar.
		4. Always center the text.
	12. Which of the following demonstrates the proper way to write a table?
		1. <table></table>
		2. <div style=”table”></div>
		3. <div id=”table”></div>
		4. <p style=”table: col 2;”></p>
	13. Which of the following is not a type of border that can be place on a table?
		1. single
		2. dotted
		3. dashed
		4. double
	14. How is a th tag different than a tr tag?
		1. th tags define columns while a tr tag defines rows
		2. th and tr tags are not different
		3. th tags are for a footer row at the bottom of a table
		4. th tags are for a header row at the top of a table
	15. What does the float attribute do for pictures?
		1. places the picture in front of the text
		2. moves the picture to the center of the page
		3. pushes the picture to the side so it can be side by side with text
		4. moves the picture to the background
	16. What does the border-radius attribute do to an image?
		1. adds a border around the whole picture
		2. rounds the corners of the image element
		3. changes the thickness of the border
		4. the border-radius attribute cannot be used with images
	17. Which of the following is not a state used for a link?
		1. active
		2. broken
		3. visited
		4. hover
	18. Based on defaults, if a link is underlined and purple, it is a(n) \_\_\_\_\_ link.
		1. visited
		2. unvisited
		3. active
		4. broken
	19. Which attribute of an <a> tag indicates the destination of the link?
		1. rel
		2. target
		3. href
		4. type
	20. Which of the following is the correct way to create a hyperlink to a different web page?
		1. <a href=‶www.page.com″></a>
		2. <a src=‶www.page.com″></a>
		3. <a rel=‶www.page.com″></a>
		4. <a target=‶www.page.com″></a>

**APPLICATION:**

During this exercise, you are only allowed to use Notepad. The use of any other type of text editor such as Notepad++ or web development tools such as Dreamweaver or Expression Web will result in immediate disqualification from this event.

A screen capture of the expected end result is included for your inspection to be used as a guide for completing this exercise.

When complete, print all code generated for this exercise (HTML and Style Sheet). Also print a screen capture of your finished work as it appears in the web browser so that it may be used for scoring purposes.

Submit all printed pages, along with your copy of this test and your answer form, to your proctor.

**DIRECTIONS:**

You have been asked to create a website using HTML5 and CSS over Social Media. This site needs to look like the web page shown in the screen capture provided in this packet. Make sure it meets all the requirements below.

**Overall Requirements:**

1. The document must be a valid HTML5
2. The document must be styled with an external Cascading Style Sheet
	1. All styles must be done with the style sheet. Using tags or style attributes within tags is PROHIBITED

**General Page Requirements:**

1. The head tag must have a meta element with the character set attribute with value of UTF-8.
2. The title should have *About Us – Your Contestant Number*.
3. The background should be the color #FFF98D.
4. Look at the webpage screenshot as a reference for what the structure of the webpage should be.
	1. Bakeology ~desserts for the soul ~ - use *bakeology logo.png*
	2. Navigation – use nav tag
		1. Home, About Us, Prices – use PNG files with the same names
		2. create a class for these images called navbutton
		3. make navbutton have a width of 150px
	3. Create a div container for the rest of the page’s information
		1. About Us – h1
		2. Bakeology Origins – h2
		3. Bakeology started as most things do, as an experiment. While cooking as a family in the kitchen, we felt like scientists in a lab. We have been experimenting since 2005 trying to make the perfect concoctions by adding a pinch of sugar, changing flavors, and altering the recipes for mouth-watering desserts you will never forget.
		4. Mission – h2
		5. We strive to provide homemade quality baked goods. We all imagine the yummy baked goods from our favorite places, but more importantly, how we feel when eating them. We hope our creations will provide you some happiness and peace all while enjoying savory desserts that will have your taste buds exploding.
		6. Hours – h2
		7. We are open Monday through Saturday from 7 am to 2 pm. Orders can be made and delivered outside of regular hours with advance notice.
		8. Contact Us – h2
		9. We can be reached via telephone at (455) 232-8844 or via email at family@bakeology.com. We would love to hear from you and how much you love our creations!
			1. Create a hyperlink with the email address
			2. Set link to mail to the same email address
	4. Insert a horizontal rule 3 times on the page where shown in the example.
5. Create a CSS style sheet and link the stylesheet to your HTML page. Add the following styles.
	1. To the body:
		1. background color - #FFF98D
		2. center align text
		3. font family - Book Antiqua
		4. width – 1000px
		5. top margin – 50px
		6. font color - #42210B
	2. To the div:
		1. background color - #FFFFFF
		2. padding – 15px
	3. To the hyperlink
		1. color - #42210B
	4. To the nav
		1. bottom margin – 25px
	5. create a class called *center*
		1. left margin – auto
		2. right margin – auto
		3. apply to body tag

When you are finished creating the website, print the code and the screen capture of the browser page. Turn in all printouts and your testing instructions to your proctor.

