**KNOWLEDGE BASED TEST – WRITTEN**

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| **Assessment Title** | Assessment 3 – Knowledge-Based Test |

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| **Student Name** |  |
| **Assessor Name** |  |

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| *I declare that this assessment is a product of all my own work:*  **Student’s Signature** | **Date** |
| **Student feedback:** | |
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**Assessment result (circle incorrect)**

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |

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| **Does the work include…?** | **Yes** | **No** | **Feedback** | |
| All questions answered correctly as per marking guide |  |  |  | |
| **Satisfactory evidence provided?** | | | **Yes** | **No** |

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| **Attempt 1** |  | **Attempt 2** |  | |
| **Assessor feedback** | | | | |
| **Assessor signature:** | | | | **Date:** |

**ASSESSMENT 3 – Knowledge-Based Test**

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| 1. **Name three (3) ways of applying CSS3 styling to your HTML5 markup code. You may use actual code examples to demonstrate these methods:** |
| The three ways of applying CSS3 styling to the HTML markup code is Inline, Internal, and External. For example:  **Inline:**  <h1 style="color:blue;">A Blue Heading</h1>  **Internal:**  <!DOCTYPE html>  <html>  <head>  <style>  body {background-color: powderblue;}  h1   {color: blue;}  </style>  </head>  <body>    <h1>Example</h1>   </body>  </html>  **External:**  <link rel="stylesheet" href="styles.css"> |
| 1. **List and briefly describe five (5) standard considerations in designing a website: [Hint: think back to the design of your own websites]** |
| 1. Performance – it focuses on the website performance such speed and faster loading screen can improve user experience and attracts more users 2. Color palette – this is the most important design principle because color attracts attention such as emotion and feel. 3. Accessibility – making the website more accessible to people with disabilities. 4. Clean design – a design that has a high-quality look, clean, appealing design, and easy to read. 5. Navigation – navigation is a menu of the website, and easy navigation helps the user to interact on different pages. |
| 1. **Provide three (3) similarities between HTML5 and XHTML:** |
| the three similarities between HTML 5 and XHTML is they use Cascading style sheet also known as CSS to style the layout and design, and they also have similar document structures and use tags to define the element. In addition, they both support multimedia such as video and audio |
| 1. **Provide three (3) differences between HTML5 and XHTML:** |
| the three differences between HTML5 and XHTML is the HTML5 is a the Doctype is ok not to write on the top, filename is .html, and the tags can be lower or upper case. While XHTML is the Doctype has to be at the top, every tag should be in lower case, and the filename is .xhtml, or .xht |
| 1. **What does the acronym HTTP stand for? Briefly describe what it is…** |
| HTTP: Hypertext Transfer Protocol  Description: HTTP is a communication to transfer files to help the browser receive information like loading a webpage when you click a link, images, audio, or video |
| 1. **What does the acronym HTTPS stand for? How does it differ from HTTP?** |
| HTTPS: Hypertext Transfer Protocol Secure  Difference to HTTP: it is less secure because it does not use SSL certificate and it don’t use any encryption while HTTPS uses SSL certificate and uses encryption to protect the data |
| 1. **Thinking back to the development environment and external tools you used in your assessment projects, name 3 tools used to test and validate your HTML and CSS code:** |
| The three tools used to test and validate your HTML CSS code is W3C Markup Validation Service, W3C CSS validation Service, and Nu JTML Checker |
| 1. **Your CSS code is not producing the expected result when its corresponding web page is loaded in an HTML5-compliant browser. Detail three (3) troubleshooting measures to help detect the problem:** |
| The three troubleshooting measures to help detect the problem is you can check your browser developer tools and click console because console will show any error message, you can also test your CSS using CSS validator to check any errors, and you may need to clear your browser cache to refresh your browser. |
| 1. **Name an HTML5-compliant web browser and specify three (3) features and three (3) limitations:** |
| A HTML5 compliant web browser is Google Chrome and the three features:   1. can add extension to your browser to give you more features and shortcuts 2. safe and secure 3. google can also load videos and image.   the three Limitation:   1. it uses a lot of power if you have many tabs or extension 2. Google can slow down if there’s a lot of cached data 3. Some website features like autoplay background audio can be block because of Chrome’s autoplay policy |
| 1. **Thinking back to the testing documentation you have created in your various programming units, specify four (4) column headings appropriate for a test plan:** |
| The four column heading appropriate for a test plan is Date of testing, what are the steps to test, Pass or Fail, and Notes of result |

**END OF TASK**