|  |  |
| --- | --- |
| **Support information Q5.1~Q5.10** | |
| Q5.11. Discuss markup languages, including HTML and CSS, and their associated standards, advantages, and disadvantages | <https://www.geeksforgeeks.org/advantages-and-disadvanatges-of-html/>  <https://www.geeksforgeeks.org/advantages-and-disadvantages-of-css/> |
| Q5.12. Discuss standard CSS design principles for web. | <https://openweb.eu.org/articles/basic-css-principles> |
| Q5.13. Discuss the application of HTML/XHTML to CSS. How web components are built with HTML and CSS. You may use an example (e.g. a navbar) to explain. | Explain the process of building web components with HTML and CSS.  Explain the role of HTML and the role of CSS. |
| Q5.14. Briefly describe the following CSS standards for design | - Selectors level 3: <https://www.w3.org/TR/selectors-3/>  - CSS Color Module Level 3: <https://www.w3.org/TR/css-color-3/>  - CSS Backgrounds and Borders Module Level 3: <https://www.w3.org/TR/css-backgrounds-3/> |
| Q5.15. Explain hypertext transfer protocol (HTTP) and HTTP Secure (HTTPS) | <https://seopressor.com/blog/http-vs-https/> |
| Q5.16. Discuss at least two web testing tools and processes and associated advantages and disadvantages | <https://dzone.com/articles/pros-and-cons-of-the-best-open-source-web-testing> |
| Q5.17. Discuss troubleshooting processes relating to CSS and websites, using browser DevTools | Refer to tutorial 5 |
| Q5.18. Discuss features and limitations of at least two common web browsers, and their accessibility features. | Google chrome features and limitations  <https://www.webnots.com/advantages-and-disadvantages-of-google-chrome/>  MS Edge features and limitations  <https://www.online-sciences.com/computer/microsoft-edge-browser-features-uses-advantages-and-disadvantages/>  Accessibility features  <https://www.google.com/accessibility/products-features/>  <https://support.microsoft.com/en-us/microsoft-edge/accessibility-features-in-microsoft-edge-4c696192-338e-9465-b2cd-bd9b698ad19a> |
| Q5.19. Explain organisational procedures to document test results | <https://www.guru99.com/how-test-reports-predict-the-success-of-your-testing-project.html> |
| Q5.20. Explain the use of the following markup languages including:  • hypertext markup language (HTML)  • virtual reality modelling language (VRML)  • extensible markup language (XML) | • hypertext markup language (HTML)  <https://www.w3schools.com/whatis/whatis_html.asp>  • virtual reality modelling language (VRML)  <https://whatis.techtarget.com/definition/VRML-Virtual-Reality-Modeling-Language>  • extensible markup language (XML)  <https://www.w3schools.com/xml/xml_whatis.asp> |