

BCS Level 3 Award in Principles of Coding
Answer Key and Rationale – QAN 603/0762/6

| Question | Answer | Explanation / Rationale | Syllabus Sections |
|----------|--------|---|-------------------|
| 1 | D | The expression will only be successful if a is less than 45 (which it is) and if b is greater than 26, which it isn't. Therefore, the comparison fails. | 1.1 |
| 2 | C | HTML - the page is static and will have only basic functionality. Java, AJAX and JavaScript are used for much more dynamic and fluid client centric applications. | 2.1 |
| 3 | C | M stands for MySQL which is the database component. | 3.1 |
| 4 | B | It is often the case that QuickTime or Windows Media Player are unable to play audio as their codecs are not updated regularly. This would be the primary reason why audio wouldn't play in some media players. | 3.2 |
| 5 | D | It is often the case that PDF files do not display correctly in browsers. The best option is to download the file and view in Adobe Reader. | 3.2 |
| 6 | A | An API key is a unique identifier that the 3rd party developer can use to verify that their code is a valid implementation based on the API developer's codebase. | 3.3 |
| 7 | B | TLS stand for Transport Security Layer and is currently the primary web based security and encryption protocol. | 4.1 |
| 8 | D | A browser based application is accessed via a web browser such as Internet Explorer, Firefox or Chrome. An application is locally installed on the physical computer. | 4.3 |
| 9 | B | A web site can be configured to create cookies for each piece of information entered on a website in case of application failure. | 4.6 |
| 10 | B | Copyright notices relating to page assets are not a factor taken into consideration during a web crawler and therefore not a factor in search results. If the colour of the text and background are the same the site could be penalised. Choosing H1 or H3 in HTML has an effect on the web crawler and SEO ranking for the terms used in the tag. | 4.4 |