

| Examiner Report     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Qualification Name  | Higher Education Qualification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Qualification Level | Diploma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date/ Series        | April 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Module              | Principles of Internet Technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Question no.        | comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A1                  | <p>Part a) - This question was answered well by most candidates with the highest scoring candidates providing two examples for each principle. Some candidates lost marks by providing general responses or providing only one example.</p> <p>Part b) - Similarly for Part b), the higher scoring candidates provided more detailed examples of the major developments in each of the four areas. They also described the before state in addition to the current state following major developments in each area. Candidates who lost marks did not relate their examples to the specific area and provided a general discussion of technology developments.</p> <p>Part c) - Most candidates were able to provide examples of differences between the intranet and extranet. Higher scoring candidates detailed specific differences and provided examples. Candidates scoring lower marks did not make specific reference to the differences between security measures and the range of users of the internet and extranet.</p> |
| Question no.        | comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A2                  | <p>This question was attempted by only one candidate.</p> <p>Part a) - for part (i) the candidate was able to provide a brief explanation for what the jQuery plugin can do, however for part (ii) they were not able to answer how this code can be used, or provide any further definitions for part (iii)</p> <p>Part b) - The candidate was able to provide two brief examples in list form of the benefits of using React as a Javascript library. Higher marks could be been obtained by providing more detail.</p> <p>Part c) - The response to this part of the question was very brief and the candidate lost marks by not providing more examples and more detail.</p>                                                                                                                                                                                                                                                                                                                                                    |
| Question no.        | comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                     | Three candidates attempted this question.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| A3           | <p>The responses varied in depth and detail with one candidate providing a higher scoring and more detailed response. Two candidates attempted only part a) of this question with the remaining candidate attempting all of the sections.</p> <p>Part a) - The highest scoring candidate was able to provide an example of a simple HTML document against the elements outlined in the question. The lower scoring responses were not able to demonstrate proper usage of the elements, structure and inclusion of elements.</p> <p>Part b) - This part of the question was not answered by two of the candidates. The higher scoring candidate was able to clearly and accurately write out the rules to style the elements i.-v. in the question.</p> <p>Part c) - i) No candidate scored the maximum marks for this question – one candidate attempted this section. Candidates could have provided more details and more examples for maximum marks.</p> <p>ii) no candidate was able to write an accurate query in response to this part of the question.</p>                                                                                                                                                                                                                                                                                                                                                                                        |
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| Question no. | comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| B4           | <p>Part a) - A small number of candidates scored the higher marks for this part of the question.</p> <p>Most candidates were able to provide a definition of remote login, with the highest scoring candidates explaining what remote log-in is, as well as its purpose.</p> <p>Candidates who lost marks did not provide a clear explanation or detail the purpose of remote login, instead providing a general description.</p> <p>Candidates also lost marks by not detailing the steps involved in remote login, or mentioning the key technologies and protocols.</p> <p>Candidates who scored the higher marks provided a detailed description of the steps involved in remote login and noted the key technologies and protocols used.</p> <p>Part b) - i) a very small number of candidates were able to describe in detail and describe accurately the four key stages of the FTP process between the client and server.</p> <p>The highest scoring candidates made distinct reference to the four steps and interactions between the client and server.</p> <p>Candidates lost marks in brief responses that did not mention the FTP process and instead offered a general list of interactions being between client and server.</p> <p>ii) Some candidates did not attempt this part of the questions therefore losing marks. Responses to the question varied in detail with the highest scoring candidates providing examples and detail</p> |

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|                     | <p>however this part of the question was not answered well by most candidates.</p> <p>Part c) - i) Candidates scoring the higher marks were able to describe the purpose of SSL and TLS in securing network communication. Some candidates did not demonstrate understanding of the difference between these two technologies.</p> <p>ii) - Higher scoring candidates were able to identify two key differences between the SSL and TLS. Lower scoring candidates We're not able to provide examples of the differences between SSL and TLS with some confusing the two.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Question no.</b> | <b>comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| B5                  | <p>Part a) - The highest scoring candidates were able to identify four vulnerabilities and relate their responses to a proxy server. Lower scoring candidates provided general examples of security vulnerabilities that did not relate to a proxy server. Some responses were very brief.</p> <p>Part b) - i) Most candidates were able to explain the importance of risk assessment in network security, and provide specific benefits, with the highest scoring candidates providing more detail.</p> <p>ii) A very small number of candidates were able to clearly articulate the four components of a network security risk assessment. Some candidates lost marks by providing one or two components in addition to general discussion rather than specifics.</p> <p>iii) Most candidates were able to provide a general explanation of how a risk assessment helps to protect an organisation network infrastructure with the highest scoring candidates providing specific examples on the measures taken to protect infrastructure.</p> <p>Part c) - The highest scoring candidates for this part of the question were able to describe in detail and provide examples of how speed and reliability impact performance and user experience. Lower scoring candidates provided some general discussion and repeated points already noted.</p> |
| <b>Question no.</b> | <b>comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| B6                  | <p>Part a) - For this part of the question the highest scoring candidates clearly defined Internet of Things and explained how Internet of Things works. Some responses were brief therefore losing marks.</p> <p>Part b) - Most candidates were able to provide examples of using Internet of Things in a household with the highest scoring candidates providing more detailed explanations. Some candidates gained the maximum marks for this part of the question. Lower scoring candidates provided brief responses.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|  | <p>Part c) - i) Some candidates provided general benefits of Wi-Fi with the highest scoring candidates relating their responses to Internet of Things.</p> <p>ii) Most candidates were able to provide examples or advantages and disadvantages, with the higher scoring candidates providing responses that were specific to Wi-Fi and Internet of Things. Lower scoring candidates provided general advantages/disadvantages of WiFi.</p> |
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