



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) **Explain** the function of the 'https' component in a URL. (4 marks)
- (b) **Explain FOUR** key components contained in the following URL:
<http://www.abma.uk.com:80/qualifications/computing-and-information-systems/>. (16 marks)

Question 2

- (a) **Explain TWO** principles of XML. (8 marks)
- (b) **Write ONE** CSS rule set which will format the position of an element of your choice. (12 marks)

Question 3

- (a) **State TWO** programming languages used to create dynamic HTML documents from a HTTP request. (2 marks)
- (b) Referring to your response to Question 3a, **illustrate** how conditional logic is used to control the output in these programming languages. Use diagrams and/or examples to support your answer. (18 marks)

Question 4

- (a) **Explain** what is meant by the term 'responsive design'. (4 marks)
- (b) **Explain TWO** ways in which streaming media formats affect the user experience. (16 marks)

Question 5

- (a) **Explain how** an FTP client is used to upload files into a web account. (4 marks)
- (b) **Compare TWO** ways in which a web server is installed. (16 marks)

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