



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) **Identify FOUR** key components in the following URL:
<https://abma.uk.com:80/recognition.html>. (4 marks)
- (b) Referring to your response to Question 1a, **explain** the function of each of these components. (16 marks)

Question 2

- (a) **State** the meaning of the term 'XML'. (2 marks)
- (b) **State** the meaning of the term 'X/HTML'. (2 marks)
- (c) **Explain TWO** differences between HTML and XML. (6 marks)
- (d) **Write ONE** CSS rule set which will change the colour of an element of your choice. (10 marks)

Question 3

- (a) **State TWO** programming languages that could be used to produce HTML output from a HTTP request. (2 marks)
- (b) Referring to your response to Question 3a, **describe how** CSS rules may be referenced in the HTML code. (9 marks)
- (c) Referring to your response to Question 3a, **describe how** a HTML template (e.g. for <head>) may be defined using a function. (9 marks)

Question 4

- (a) **Explain** what is meant by the term 'streaming'. (4 marks)
- (b) **Explain how** streamed media elements can be integrated into a page design. (8 marks)
- (c) **Explain how** to embed a live stream into a web page. (8 marks)

Question 5

Illustrate how to modify a web page using an FTP client. Use diagrams and/or examples to support your answer. (20 marks)

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