



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) **Explain** the function of the 'GET' component in a URL. (4 marks)
- (b) **Explain FOUR** key components contained in the following URL:

http://www.amazon.co.uk/Beginning-Programming-Dummies-Wallace-Wang/ref=sr_1_1?ie=UTF8&qid=1438258928.

(16 marks)

Question 2

- (a) **Explain TWO** differences between HTML and XML. (8 marks)
- (b) **Write ONE** CSS rule set which will change the colour of an element. (12 marks)

Question 3

- (a) **State TWO** programming languages used to produce JSON output 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 languages. Use diagrams and/or examples to support your answer. (18 marks)

Question 4

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

Question 5

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

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