



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: `http://www.5z8.info:80/watch-now_c13v3r_cooking`. (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 'HTML5'. (2 marks)
- (b) State the meaning of the term 'CSS box model'. (2 marks)
- (c) Explain TWO differences between CSS and XML. (6 marks)
- (d) Write a CSS rule set which will use cascading to set properties for multiple elements of your choice. (10 marks)

Question 3

- (a) State TWO programming languages that could be used to process a HTTP request from a HTTP request. (2 marks)
- (b) Describe how server-side storage and/or client-side cookies can provide a per-user session. (9 marks)
- (c) Describe how conditional statements in each language can be used to control HTTP output. (9 marks)

Question 4

- (a) Explain what is meant by the term 'multimedia resource'. (4 marks)
- (b) Explain how multimedia resources can be integrated into a page design. (8 marks)
- (c) Explain how to use native HTML5 elements to embed multimedia into a web page. (8 marks)

Question 5

Illustrate how to delete and replace a web page using an FTP client. (20 marks)

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