



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS



Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) **State** what is meant by the term 'URL'. (4 marks)
- (b) **Describe** some common HTML verbs and give examples of their use. (8 marks)
- (c) Explain how URLs and a DNS are used to access Internet resources. (8 marks)

Question 2

- (a) **State** what is meant by the term 'Cascading Style Sheet' (CSS). (4 marks)
- (b) **Describe** the key components of HTML documents. (8 marks)
- (c) **Describe** the benefits to developers of using CSS. (8 marks)

Question 3

- (a) **State** what is meant by the term 'scripting language'. (4 marks)
- (b) **Describe** how SQL is used to interrogate a database. (8 marks)
- (c) **Explain** the differences between websites and web services. (8 marks)

Question 4

- (a) **State** what is meant by the term 'heuristic analysis'. (4 marks)
- (b) **Explain** how different inspection methods are used to assure appropriate usability and accessibility. (8 marks)
- (c) Referring to your answer to Question 4b, **describe** the advantages and disadvantages of these inspection methods. (8 marks)

Question 5

Explain the process of setting up and configuring a web server. (20 marks)