



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) **Explain** the difference between a URL and URN. (6 marks)
- (b) **Describe** the role of URLs in DNS and the Internet more broadly. (14 marks)

Question 2

- (a) **Identify FOUR** key components used within HTML documents. (8 marks)
- (b) **Write** the HTML needed to implement a form containing one field, a drop-down menu and a submission button on a web page. (12 marks)

Question 3

- (a) **Explain** the key differences between websites and web services. (8 marks)
- (b) **Illustrate** how server-side scripting languages are used to dynamically generate a list of recommended purchases for a customer on a web page. (12 marks)

Question 4

- (a) **Explain** the purpose of usability testing. (8 marks)
- (b) **Compare** the appropriateness of usability testing and standards checking systems to ensure that a website is accessible. (12 marks)

Question 5

Describe how to setup a file sharing service on a cloud platform. (20 marks)