



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

- (a) Use an example to **illustrate** the components of a Universal Resource Locator (URL). (6 marks)
- (b) **Describe** the difference between a URL and a URN. (6 marks)
- (c) **Describe** the purpose of a Domain Name Server (DNS). (8 marks)

Question 2

- (a) **State** what is meant by the term 'static web page'. (4 marks)
- (b) **Explain** the uses of a text element on a static web page. (6 marks)
- (c) **Write** the HTML needed to implement a form containing two fields and a drop-down menu on a web page. (10 marks)

Question 3

- (a) **State** what is meant by the term 'server-side scripting language'. (4 marks)
- (b) **Describe** the core features of a server-side scripting language. (8 marks)
- (c) **Describe** how requests are processed differently using client-side processing and server-side processing. (8 marks)

Question 4

- (a) **Explain** how usability/accessibility guidelines are used to create usable and accessible web pages across a range of devices. (10 marks)
- (b) **Describe** two usability inspection methods and explain their advantages and disadvantages. (10 marks)

Question 5

(a) **Explain** how CGI is used to set up and configure a LAMP server. (10 marks)

(b) **Analyse** the process of setting up and configuring a web hosting account using appropriate tools. (10 marks)

Past Paper