



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 5 – WEB TECHNOLOGIES

Question 1

(a) **Identify** the components of the URL below:

https://www.eastfield.com/retail/sign_up/application.frm (4 marks)

(b) **Describe** the functions of each URL component. (8 marks)

(c) **Describe** the purpose of a Domain Name Server. (8 marks)

Question 2

(a) **Describe** the basic structure of an HTML document. (4 marks)

(b) **Describe** how to embed a multimedia application on a web page using HTML. (8 marks)

(c) **Explain** how CSS rules are used to style an HTML document. (8 marks)

Question 3

(a) **Explain** how HTML output is manipulated using a client-side scripting language. (10 marks)

(b) **Describe** the difference between websites and web services in constructing dynamic websites. (10 marks)

Question 4

(a) **Explain** how Model-View-Controller is used in the design of usable websites. (10 marks)

(b) **Explain** how heuristic analysis is used to assure appropriate levels of website usability. (10 marks)

Question 5

(a) **State** what is meant by the term 'cloud hosting platform'. (4 marks)

(b) **Describe TWO** basic UNIX commands and their usage. (8 marks)

(c) **Describe** how FTP is used to upload files into a web hosting account. (8 marks)