



# 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.youtube.com:80/user/Computerphile>

(4 marks)

(b) Referring to your response to Question 1a, **explain** the function of each of these components. (16 marks)

#### Question 2

(a) **Describe** the syntax for simple tables in HTML. (8 marks)

(b) **Write** the HTML needed to implement embedded multimedia video on a web page. (12 marks)

#### Question 3

(a) **State** the meaning of the term 'web database'. (2 marks)

(b) **Describe how** a script can interact with a database on the same server. (6 marks)

(c) **Illustrate how** server-side scripting languages are used to dynamically generate a list of recent purchases by a specific customer on a web page. (12 marks)

#### Question 4

(a) **Explain** the purpose of standards checking systems. (8 marks)

(b) **Compare** the appropriateness of standards checking systems and usability surveys to ensure that a website is accessible. (12 marks)

#### Question 5

**Describe how** to setup a discussion forum system on a cloud platform (e.g. Amazon Web Services). (20 marks)