

DIPLOMA

WEBSITE DEVELOPMENT (D4)

THURSDAY 6TH JUNE 2013

TIME: 14.00 – 17.00 HOURS

DURATION: 3 HOURS

Candidates should answer **ALL** the questions in Part A and **THREE** of the five questions in Part B. Part A carries 40% of the marks available and Part B carries 60%. Candidates should allocate their time accordingly.

No reference material of any kind may be taken into the examination.

[Turn over]

PART A.
Candidates should answer ALL questions in this section.

Question A1.

Why should Browser software companies consider it an advantage to be part of the Web development community? (5 marks)

Question A2.

There are Server-side and Client-side server languages. Which one is JavaScript, and why? (5 marks)

Question A3.

The validation of passwords is very important. Using a webpage form describe how the input of a password is validated (5 marks)

Question A4.

When creating a WEB Site Specification there are various points to consider. Describe **TWO** points that need to be considered. (5 marks)

Question A5.

When testing a website give and describe **TWO** considerations that need to be taken into account. (5 marks)

Question A6.

Secure Socket Layer (SSL) is an Internet communication protocol. What is its function and why is it important when using a website? (5 marks)

Question A7.

There are various types of user documentation that are produced for the users of a website. Describe **TWO** types of User Documentation you would like to receive when a website goes live. (5 marks)

Question A8.

Cascading Style Sheets (CSS) version 1 was released in 1996. CSS version 2 was released in 1998. CSS version 3 was released in 2010. Give and describe **TWO**

additional features which were made available with the release of either CSS v2 or CSS v3. (5 marks)

[Turn over]

PART B.

Answer any THREE questions in this section. Candidates should spend approximately two hours answering this section.

Question B9.

The CSS Box model describes the rectangle boxes that contain contents on a Web page, and each content box can have the following features: margins, borders, and padding.

For **EACH** of the features describe their function and why they are used. (20 marks)

Question B10.

FOUR common basic categories of Event Handlers are: Windows, Mouse, Keyboard, and Forms.

a) What is an Event Handler? (4 marks)

b) For **EACH** of the **FOUR** Event Handlers give a situation when it would be used and why it is used. (16 marks)
(Total 20 marks)

Question B11.

You are to give a formal presentation of your website to prospective customers.

Give and describe **FOUR** considerations you need to take into account when creating the presentation.

(20 marks)

Question B12.

There are **SEVEN** stages in the Web Development Project Life Cycle.

Give **FOUR** of the stages and describe their importance. (20 marks)

Question B13.

The organization World Wide Web Consortium (W3C) was created in 1994.

Give and describe **FOUR** reasons why W3C was created.

(20)

END OF EXAMINATION

