

IMIS DIPLOMA QUALIFICATIONS

**Website Development
(D4)**

Thursday 5th December 2013 14:00hrs – 17:00hrs

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. Candidates should spend approximately one hour answering this section.

QUESTION A1

XML rules can be easily checked for compliance by a specific piece of software. What is this software and how does it work?

(5 Marks)

QUESTION A2

Give and describe THREE attributes that should be included in the image tag (IMG).

(5 Marks)

QUESTION A3

Many designers make the mistake of not testing the website at different connection speeds.

Give and describe TWO reasons why is it important to test the website at different connection speeds.

(5 Marks)

QUESTION A4

Describe TWO reasons why you would prefer to use a text based navigation mode rather than a graphics based navigation mode.

(5 Marks)

QUESTION A5

Describe TWO reasons why the maintenance, upkeep, and the need to redesign your website is so important.

(5 Marks)

QUESTION A6

Describe TWO reasons why User Documentation is supplied in an on-line mode rather than a printed format.

(5 Marks)

QUESTION A7

Describe the term Portable Network Graphics (PNG). Why it is not the best choice when using photographic images?

(5 Marks)

QUESTION A8

Define the term Relative Path. Why its usage is more preferable to Absolute Path when creating a directory structure for storing the web coding?

(5 Marks)

PART B.

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

QUESTION B9

When producing a website, creators are familiar with the need for User Testing, but not always the need for Quality Assurance.

- a) Define the term Quality Assurance.

(4 Marks)

- b) As a web site team leader describe FOUR tasks that have to be completed to ensure that Quality Assurance is guaranteed.

(16 Marks)

(Total 20 marks)

QUESTION B10

Cascading Style Sheets (CSS) measurements are classified as either Absolute Units or Relative Units.

- a) Define BOTH Absolute Units and Relative Units.

(4 Marks)

Relative Units has FOUR units of measurements.

- c) Describe EACH of the units and give an example of when you would use the unit of measurement.

(16 Marks)

(Total 20 marks)

QUESTION B11

There are various technological constraints that can affect the way a user views your website.

- a) Give and describe THREE technological constraints that can affect the user.

(10Marks)

- b) Give and describe THREE ways a web designer can help to overcome the technological constraints.

(10 Marks)

(Total 20 marks)

QUESTION B12

Give and describe FOUR factors you need to consider when selecting a Web Hosting Service.

(20 Marks)

QUESTION B13

When migrating from legacy HTML to HTML5 there are various procedures that you must complete as the web programmer.

Give and describe FOUR of the procedures and explain why they must be completed.

(20 Marks)