NCC EDUCATION

INTERNATIONAL DIPLOMA
IN
COMPUTER STUDIES

WEB DESIGN

JUNE 2009 – LOCAL EXAMINATION

SECTION A
Answer all questions in this section.

SECTION B
Answer any <u>two</u> questions in this section.

Time: 2 hours

Clearly cross out surplus answers.
Failure to do this in Section B will result in only the first two answers being marked.

**Any reference material brought into the examination room must be handed
to the invigilator before the start of the examination.**

Marks

QUESTION 1   **4**

Differentiate between a relative URL and an absolute URL and give an example of each.

QUESTION 2   **4**

List FOUR (4) commonly supported form controls.

QUESTION 3   **4**

Describe what a Progressive JPEG is and explain the advantages of using this format.

QUESTION 4   **4**

What are frames, and why are they useful in displaying and designing a website?

QUESTION 5   **4**

Describe Cascading Style Sheets and explain why they are useful.

QUESTION 6   **4**

Explain the difference between a web-authoring program and an HTML-Editor.

QUESTION 7   **4**

What is the benefit of building a site with relative paths? Name three important rules to follow when you are writing relative pathnames to avoid common errors.

QUESTION 8   **4**

Describe how the text boxes are created and used. Use examples.

QUESTION 9   **4**

What is CDATA and describe how it is interpreted by Browser?

QUESTION 10   **4**

What is the difference between an Internet service provider (ISP) and a Web hosting service?

Total 40 Marks

QUESTIONS CONTINUE ON NEXT PAGE

QUESTION 1   **Marks**

   a)   Describe THREE (3) ways in which the platform or operating system affects the way users see your web pages.   **9**

   b)   Describe FOUR (4) strategies for dealing with the fact that your page will be viewed on different browsers.   **8**

   c)   Describe TWO (2) strategies for coping with unknown connection speeds in your web design.   **4**

   d)   Briefly describe what a *gamma* setting is and compare the gamma settings of Macintosh and Windows machines.   **3**

   e)   Describe THREE (3) strategies for coping with monitor colour variation.   **6**

Total 30 Marks

QUESTION 2   **Marks**

   a)   Explain the following methods used with HTML forms.
      i.   The POST method   **2**
      ii. The GET method   **2**

   b)   Write the HTML code that produces the following Web page.   **16**

Name:

Sex: ○ Male ○ Female

Hobbies: ☐ Travelling ☐ Reading ☐ Swimming

Comment:

Send Form

   c)   Briefly explain how stylesheets are used for the following:
      i.   Marking up the document.   **1**
      ii. Writing style rules – give TWO (2) examples of style rules to illustrate your answer.   **3**

   d)   Describe the THREE (3) ways of applying styles to a document.   **6**

Total 30 Marks

QUESTION 3   **Marks**

a)   Explain in detail the SEVEN (7) steps in the web design process.   **21**

b)   Briefly explain the THREE (3) types of image that the PNG format can store.   **6**

c)   Discuss briefly THREE (3) reasons why PNGs are predicted to replace GIFs on the Web.   **3**
                                                                                                 Total 30 Marks

END OF PAPER