



**NCC EDUCATION**

**INTERNATIONAL DIPLOMA**  
**IN**  
**COMPUTER STUDIES**

**WEB DESIGN**

**MARCH 2009 – LOCAL EXAMINATION**

**SECTION A**  
**Answer all questions from this section.**

**SECTION B**  
**Answer any two questions from 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.**

**SECTION A****ANSWER ALL QUESTIONS IN THIS SECTION**

	<b>Marks</b>
<b>QUESTION 1</b>	<b>4</b>
Explain the difference between XML and XHTML.	
<b>QUESTION 2</b>	<b>4</b>
List FOUR (4) strategies for dealing with the different platforms that may be used to view your web pages.	
<b>QUESTION 3</b>	<b>4</b>
Write out the minimal structure of an (X)HTML document.	
<b>QUESTION 4</b>	<b>4</b>
What is the JPEG format? What are the advantages and disadvantages of the JPEG format?	
<b>QUESTION 5</b>	<b>4</b>
Name FOUR (4) significant syntax requirements in XHTML.	
<b>QUESTION 6</b>	<b>4</b>
Describe how to use the <select> element. Give an example of html that correctly uses the <select> element.	
<b>QUESTION 7</b>	<b>4</b>
Explain briefly TWO (2) general guidelines for working with background images.	
<b>QUESTION 8</b>	<b>4</b>
State FOUR (4) tests that should be carried out on every website.	
<b>QUESTION 9</b>	<b>4</b>
List TWO (2) advantages and TWO (2) disadvantages to renting server space from a professional hosting service.	
<b>QUESTION 10</b>	<b>4</b>
Describe the <form> element, and the attributes associated with it.	

**Total 40 Marks****QUESTIONS CONTINUE ON NEXT PAGE**

<b>SECTION B</b>
<b>ANSWER ANY TWO QUESTIONS</b>

<b>QUESTION 1</b>	<b>Marks</b>
a) Explain the difference between an Internet Service Provider (ISP) and a Web hosting service.	<b>6</b>
b) How is the File Transfer Protocol used to upload files?	<b>12</b>
c) Briefly explain TWO (2) options for obtaining a domain name.	<b>6</b>
d) Discuss the origin and function of the Domain Name System (DNS).	<b>6</b>

**Total 30 Marks**

<b>QUESTION 2</b>	<b>Marks</b>
a) Briefly describe THREE (3) benefits of using Cascading Style Sheets.	<b>6</b>
b) Describe THREE (3) ways that style information can be applied to an (X)HTML document.	<b>9</b>
c) Explain the THREE (3) general approaches to CSS page layout and give TWO (2) advantages and TWO (2) disadvantages to using each approach.	<b>15</b>

**Total 30 Marks**

<b>QUESTION 3</b>	<b>Marks</b>
a) Briefly explain the difference between Rights-Managed images and Royalty-Free images.	<b>4</b>
b) All 8-bit indexed colour images use palettes to define the colours in the image. Briefly describe FIVE (5) common colour palettes.	<b>10</b>
c) Explain the following JPEG features.	
i. 24-bit Truecolor images	<b>3</b>
ii. Lossy compression	<b>3</b>
iii. Progressive JPEGs	<b>3</b>
iv. Decompression	<b>3</b>
d) Explain when you would consider using the PNG graphic format.	<b>4</b>

**Total 30 Marks****END OF PAPER**