MEMORANDUM

Programme	Diploma in Information Technology
Module	Web Development 2A
Module Code	WPD 210
Module NQF Level	6
Credits	15
Test/Exam	Exam Memo
Semester	1st
Date Written	…June

Total marks	100
Duration	2 Hours
Pass mark	50%
Weighting	60%
Examiner	John Alloziem
Moderator	Thabiso Mathebula

This question paper consists of **15** pages including the cover page.

REQUIREMENTS:

Learner Requirements: Stationery and Examination Answer booklet
Equipment Requirements: Computer

This paper consists of:

1.	Section A:	**20 marks**
2.	Section B:	**40 marks**
3.	Section C:	**40 marks**

ALL sections are **COMPULSORY**. It is in your own interest to write legibly and to present your work neatly.

PLEASE READ THE ASSESSMENT RULES AND REGULATIONS THAT FOLLOW

Learners are warned that contravening any of the examination rules or disobeying the instructions of an invigilator could result in the examination being declared invalid. Disciplinary measures will be taken which may result in the students' expulsion from Damelin.

ASSESSMENT RULES AND REGULATIONS

Please ensure that you have read and fully understand the following assessment rules and regulations prior to commencing with your assessment:

1. To be permitted access to the examination, a learner must arrive with:
   - an Identity Document or other official proof of identity (for example,
   - a student card, passport or driver's licence card with photo); and
   - the required exam stationery.
2. No learner may enter the examination room more than 30 minutes after the examination sitting has commenced and no candidate may leave the room less than one hour after the examination sitting has commenced.
3. No extra time will be allowed should a student arrive late.
4. All learners must sign the *Attendance Register* for the examination on arrival.
5. It is the responsibility of learners to familiarise themselves with the examination rules prior to sitting for the examination.
6. All examinations are to be written on the date and time officially stipulated by the College.
7. It is the responsibility of learners to ensure that they are writing the correct paper and that the question paper is complete
8. Cell phones must be switched *off* prior to entering the exam venue. Cell phones and wallets may be placed under candidates' chairs rather than at the front of the room.
9. Learners may not handle cell phones or wallets during the exam.
10. No weapon of any description may be taken into the assessment room.
11. All personal belongings are to be placed at the front of the examination room. Personal belongings brought to the examination are at the owner's risk.
12. Smoking is not permitted and learners will not be allowed to leave the examination room in order to smoke
13. Once the examination has commenced, all conversation of any form between candidates must cease until after candidates have left the room, after the examination.
14. *Only* the official College examination book, as supplied by the College, may be used.
15. Learners must ensure that their student number is written on the answer book.
16. Learners are responsible for ensuring that they follow the instructions in the examination for submitting their answers.
17. Please read the instruction appearing on the examination paper carefully
18. The number of every question must be clearly indicated at the top of every answer.
19. No pages may be torn out of the answer book. All question papers and scrap paper must be handed to the invigilator after the examination.
20. Learners finishing earlier are to leave the examination room as quietly as possible on the instruction of the invigilator and may not talk until outside the building where the examination is being written.
21. Only under exceptional circumstances will a learner be permitted to leave the examination room during the examination, and if the invigilator gives permission. An invigilator must accompany the learner. Only one learner at a time may be absent from the examination room.

22.   Candidates may not act dishonestly in any respect.

SECTION A:
MULTIPLE CHOICE QUESTIONS
Select the correct answer from the options available.
In the provided answer book, write down the question number and the letter of the correct answer next to it.
For example: 1.1 D
Each question is worth one (1) marks.

QUESTION 1   **(10 marks)**

1.1   All normal webpages consist of what two parts?   (1)
   A.   Head and bottom
   B.   Top and bottom
   C.   Head and body √
   D.   Body and frameset

1.2   Where in an HTML document is the correct place to refer to an external style   (1)
       sheet?

   A.   At the end of the document
   B.   At the top of the document √
   C.   In the < body > section
   D.   In the < head > section

1.3   Which is the correct CSS syntax?   (1)
   A.   body:color=black
   B.   body {color: black} √
   C.   {body;color:black}
   D.   {body:color=black(body}

1.4   Main container for <TR>, <TD> and <TH> is   (1)

   A.   <TABLE> √
   B.   <GROUP>
   C.   <DATA>
   D.   All of these

1.5   What is the correct HTML for adding a background color?   (1)
   A.   <background>yellow<Background>
   B.   <body color = "yellow">
   C.   <body bg color = "yellow"> √
   D.   <body bg ="yellow">

1.6   To make your website mobile friendly, you can make your website   (1)

     A.   Responsive √

     B.   Reactive

     C.   Fast Loading

     D.   Light

1.7   Which of the following statements is false   (1)

     A.   You can make a website without using HTML √

     B.   You can make a website without using PHP

     C.   You can make a website without using CSS

     D.   You can make a website without using Javascript

1.8   Which of the following is true   (1)

     A.   You need a server to host your website files √

     B.   You don't need a server to host your website files

     C.   You can create a website without using HTML

     D.   All of the above

1.9   Which of the following is a container?   (1)

     A.   <SELECT>

     B.   <BODY>

     C.   <INPUT>

     D.   Both (a) and (b) √

1.10   Correct HTML to left align the content inside a table cell is   (1)

     A.   <tdleft>

     B.   <td raligh = "left" >

     C.   <td align = "left">

     D.   <td leftalign> √

     Outcome: Multiple outcomes including Demonstrate detailed knowledge and
ability to design and create standard and
functional web pages using HTML.

TRUE / FALSE QUESTIONS

Indicate your answer on the Answer book.

provided. For example: 2.1 FALSE

Each question is worth two (2) marks.

QUESTION 2 (10 marks)

2.1	CSS enables the developer to control the presentation characteristics of an entire web site with a many style sheets. FALSE √√	(2)
2.2	A link may not be used to open or download files of various formats. FASLE √√	(2)
2.3	The World Wide Web Consortium (W3C) which is responsible for setting standards for HTML and other markup languages. TRUE √√	(2)
2.4	The World Wide Web Consortium (W3C) which is responsible for setting standards for HTML and other markup languages. TRUE √√	(2)
2.5	XHTML was well received by the development community. FALSE √√	(2)
	Outcome: Multiple outcomes including show detailed knowledge and understanding of the history of HTML.	

SECTION B:

QUESTION 3 (40 Marks)

3.1	A site must incorporate inbuilt accessibility mechanisms to cater for different users. List four common features of inbuilt accessibility mechanism. Answer: Pg 18. The common features are: • Optional Navigation links √√ • High contrast versions √√ • User controlled font size √√ • Access keys √√ Outcome: Designing for Accessibility	(8)
3.2	Explain the effect of the following HTML lines <img src ="flower.jpg" alt="Fresh flowers" width="185" height = "105"> .	(5)

	Answer:
	
	There are three attributes in the <img src="flower.jpg" alt="Fresh flowers" width=185" height="105> element √
	
	   (a) alt – defines the alternative word(s) that will appear as the graphic image is still loading as it may take time to do so √
	   (b) Width – specifies the width of the image Flower.jpg
	Height – specifies the height of the image Flower.jpg √√
	
	Outcome: HTML Syntax	

3.3	Define the following: • Active white space—White space used deliberately as an integral part of our design that provides structure and separates content. • Cache—the browser's temporary storage area for web pages and images. • Content management system (CMS)—Software that allows editing and publishing of content to different formats, such as a desktop and mobile web site. • Grid—A layout device that organizes the web page, providing visual consistency. • Look and feel— the overall character of the interface the user must navigate on a web site. Outcome: Multiple out; Definition of key terms	(10)
3.4	Using a good example, explain what you understand by Domain Name	(10)
	Answer: Pg 24 A domain name is your website name √. A domain name is the address where Internet users can access your website √. A domain name is used for finding and identifying computers on the Internet √. Computers use IP addresses, which are a series of number. However, it is difficult for humans to remember strings of numbers. Because of this, domain names were developed and used to identify entities on the Internet rather than using IP addresses. √√ A domain name can be any combination of letters and numbers, and it can be used in combination of the various domain name extensions, such as .com, .net and more. √√ The domain name must be registered before you can use it √. Every domain name is unique √√. No two websites can have the same domain name. If someone types in www.yourdomain.com, it will go to your website and no one else's.	

	Outcome: Demonstrate detailed knowledge and ability to plan and design a functional web page	
3.5	State the use of each HTML tag given below	(7)
	State the use of each HTML tag given below a) <table > b) <textarea> c) <form> d) <caption> e)
 f) g) < hr/> Answer: a) <table> - is a tag which defines a table in HTML√ b) <textarea> - this tag is used to create a multiline text box form field√ c) <form> this tag is used to define a form on a web page√ d) <caption> - this tag is used to specify the caption of a table in html e)
 - this tag is used to put a break√ f) - this tag is used to list an item√ g) <hr/> - this tag is used to put a horizontal line√ Outcome: HTML tags	

SECTION C: QUESTION 5	**(40 Marks)**
5.1	Write a simple html code to display the image below. Use Appropriate colours to shade the sections of the table.	(26)

ALL ABOUT INFORMATION TECHNOLOGY

| Home | Our Products | FAQs | Contact | Login |

Workshop: Present Days Challenges in IT

We will be conducting a number of IT workshops and symposiums throughout the year in three regions of South Africa.

Please note that the following events are free to registered members. Participant are welcome from around the world!

	Johannesburg	Durban	Cape town
Mordern IT Perspective	011 51	012 52	013 53
The Dynamic Nature of IT	001 61	002 62	003 63
Coping with the Mordern IT Challenges	004 71	005 72	006 73
The Future of IT	007 81	008 82	009 83

You will be assessed with the following rubric:

Page design looking as shown:	2
Use of CSS syntax:	5
Ability to design different font heights as indicated:	2
Coding for the navigation bar	5
Coding for the lists in the table and data	10
Coding for the different shades and colour:	2

Answer: Pg 85

```
<!DOCTYPE html>
<html>
    <head>
        <title>Lists, Tables and Forms</title>
        <style type="text/css">
#nav {
    width: 100%;
```

```css
    float: left;

    margin: 0 0 3em 0;

    padding: 0;

    list-style: none;

    background-color: #f2f2f2;

    border-bottom: 1px solid #ccc;

    border-top: 1px solid #ccc; }
#nav li {

    float: left; }
#nav li a {

    display: block;

    padding: 8px 15px;

    text-decoration: none;

    font-weight: bold;

    color: #069;

    border-right: 1px solid #ccc; }
#nav li a:hover {

    color: #c00;

    background-color: #fff; }
/* End navigation bar styling. */
                #wrap {

                 width: 750px;

                 margin: 0 auto;

                 background-color: #fff; }


                    body {

                            font-family: Arial, Verdana, sans-serif;

                            font-size: 18px;

                            color: #666666;

                            background-color: #f8f8f8;}

                    li {

                            list-style-image: url("images/icon-plus.png");

                            line-height: 1.6em;}

                    table {
```

```css
                border-spacing: 0px;}
th, td {
                padding: 5px 30px 5px 10px;
                border-spacing: 0px;
                font-size: 90%;
                margin: 0px;}
th, td {
                text-align: left;
                background-color: #e0e9f0;
                border-top: 1px solid #f1f8fe;
                border-bottom: 1px solid #cbd2d8;
                border-right: 1px solid #cbd2d8;}
tr.head th {
                color: blue;
                background-color: #90b4d6;
                border-bottom: 2px solid #547ca0;
                border-right: 1px solid #749abe;
                border-top: 1px solid #90b4d6;
                text-align: center;
                text-shadow: -1px -1px 1px #666666;
                letter-spacing: 0.15em;}
td {
                text-shadow: 1px 1px 1px #ffffff;}
tr.even td, tr.even th {
                background-color: #e8eff5;}
tr.head th:first-child {
                -webkit-border-top-left-radius: 5px;
                -moz-border-radius-topleft: 5px;
                border-top-left-radius: 5px;}
tr.head th:last-child {
                -webkit-border-top-right-radius: 5px;
                -moz-border-radius-topright: 5px;
                border-top-right-radius: 5px;}
fieldset {
```

```css
                width: 310px;

                margin-top: 20px;

                border: 1px solid #d6d6d6;

                background-color: #ffffff;

                line-height: 1.6em;}
legend {

                font-style: italic;

                color: #666666;}
input[type="text"] {

                width: 120px;

                border: 1px solid #d6d6d6;

                padding: 2px;

                outline: none;}
input[type="text"]:focus,
input[type="text"]:hover {

                background-color: #d0e2f0;

                border: 1px solid #999999;}
input[type="submit"] {

                border: 1px solid #006633;

                background-color: #009966;

                color: #ffffff;

                border-radius: 5px;

                padding: 5px;

                margin-top: 10px;}
input[type="submit"]:hover {

                border: 1px solid #006633;

                background-color: #00cc33;

                color: #ffffff;

                cursor: pointer;}
.title {

                float: left;

                width: 160px;

                clear: left;}
.submit {
```

```
                                    width: 310px;
                                    text-align: right;}
                    </style>
            </head>
            <body>
<div id="wrap">
   <h1>ALL ABOUT INFORMATION TECHNOLOGY</h1>
      <!-- Here's all it takes to make this navigation bar. -->
   <ul id="nav">
      <li><a href="#">Home</a></li>

      <li><a href="#">Our Products</a></li>
      <li><a href="#">FAQs</a></li>
      <li><a href="#">Contact</a></li>
      <li><a href="#">Login</a></li>
   </ul>
   <!-- That's it! -->
                    <h1>Workshop: Present Days Challenges in IT</h1>
                    <p>We will be conducting a number of IT workshops and symposiums throughout the
year  in three regions of South Africa.</p>
                    <p>Please note that the following events are free to registered members.
            Participant are welcome from around the world!</p>


                    <table>
                            <tr class="head">
                                    <th></th>
                                    <th>Johannesburg</th>
                                    <th>Durban</th>
                                    <th>Cape town</th>
                            </tr>
                            <tr>
                                    <th>Mordern IT Perspective</th>
                                    <td>011<br />51</td>
                                    <td>012<br />52</td>
                                    <td>013<br />53</td>
                            </tr>
                            <tr class="even">
                                    <th>The Dynamic Nature of IT</th>
                                    <td>001<br />61</td>
                                    <td>002<br />62</td>
                                    <td>003<br />63</td>
                            </tr>
                            <tr>
                                    <th>Coping with the Mordern IT Challenges</th>
```
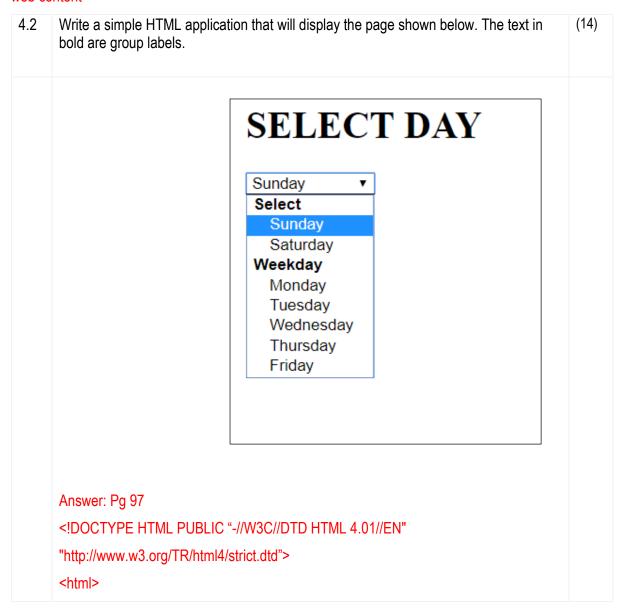
```
            <td>004<br />71</td>
            <td>005<br />72</td>
            <td>006<br />73</td>
        </tr>
        <tr class="even">
            <th>The Future of IT</th>
            <td>007<br />81</td>
            <td>008<br />82</td>
            <td>009<br />83</td>
        </tr>
    </table>
</html>
```

Outcome: Demonstrate knowledge of CSS box properties and ability to implement them in structuring web content

4.2	Write a simple HTML application that will display the page shown below. The text in bold are group labels.	(14)

Answer: Pg 97

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"

"http://www.w3.org/TR/html4/strict.dtd">

<html>

```html
<head>
</head>
<body>
<h1>SELECT DAY</h1> √
<p>
<select>
<optgroup label="Select"> √√
<option>Sunday √
<option>Saturday√
</optgroup> √
<optgroup label="Weekday"> √√
<option>Monday √
<option>Tuesday√
<option>Wednesday √
<option>Thursday√
<option>Friday√
</optgroup> √
</select>
</p>
</body>
</html>
```

Outcome: Illustrate informed understanding of HTML web forms, their design and implementation

∞*End of Question Paper*∞