UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

Business and Humanities Certificate Examinations

NOV-DEC 2023 SERIES

PROGRAMME

NATIONAL CERTIFICATE IN INFORMATION AND COMMUNICATION TECHNOLOGY

PAPER NAME

BASIC HTML WEB PROGRAMMING

PAPER CODE

NCIT121

YEAR I, SEMESTER II

2½ HOURS

MONDAY, 4TH DECEMBER 2023

INSTRUCTIONS TO CANDIDATES

1. *This paper consists of **two** sections **A** and **B**.*
2. *Section **A** is compulsory and carries **20** marks.*
3. *Section **B** consists of **six** questions. Answer only **four** questions from this section.*
4. *All questions carry equal marks.*
5. *All answers to each question should begin on a fresh page.*
6. ***Do not** write on the question paper.*
7. *All answers and rough work should be done in the official answer booklet provided.*
8. *Read other instructions on the answer booklet.*

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SECTION A - (20 MARKS)

Answer all questions in this section.

Question One

(a) Define the term **HTML**. (02 marks)

(b) State the meaning of ` ` in HTML. (02 marks)

(c) Write a line of HTML code that generates the output below. (02 marks)

This is beneficial at the moment.

(d) Give **two** parts of an HTML attribute. (02 marks)

(e) Write the output from the following line of HTML code. (02 marks)

```
"<p>My best friend's name is <abbr title="Nakibuke"> Nak
</abbr>.</p>"
```

(f) State the meaning of **<tfoot>** in HTML. (02 marks)

(g) Mention **two** levels of HTML headings. (02 marks)

(h) Give the output from the HTML line of code below. (02 marks)

```
<input type="radio" name="subject" value="maths"> Maths
```

(i) Distinguish between `GET` and `POST` methods. (04 marks)

SECTION B - (80 MARKS)

Answer only four questions from this section.

Question Two

(a) Define the term **attribute**. (02 marks)

(b) Outline **two** examples of HTML attributes. (02 marks)

(c) A student wants to insert an image "mybag.png" located in folder "pics". You are required to write down a line of HTML code that will;

(i) Insert the above image on a webpage. (02 marks)

(ii) Set the width and height of the above image to "150" and "100" respectively. (02 marks)

(iii) Set the image border to 3. (02 marks)

(iv) Align the image to the left of the webpage. (02 marks)

(d) Write down an HTML code that will bold, italicize and underline the statement "The semester is almost ending". (08 marks)

Question Three

(a) State the meaning of **
** in HTML. (02 marks)

(b) Using a sample HTML code, differentiate between **ordered lists** and **unordered lists**. (06 marks)

(c) Study the HTML code below and answer the questions that follow.

```
<html>
<head>
<Title>About the party<Title>
</head>
<body>
<p>Hello<br />
You were very smart at the party. <br />
Thanks<br /> Paul</p>
</html>
```

(i) Identify the errors in the above code. (04 marks)

(ii) Write down the output of the code in 3(b) after correcting the errors. (08 marks)

Question Four

(a) Define the term **empty tag**. (02 marks)

(b) List **two** examples of empty tag. (02 marks)

(c) Assume you are tasked to produce the output below with the exact format in HTML.

```
function testFunction (strText )
{alert(strText)
}
```

(i) State the HTML tag used to achieve the above. (02 marks)

(ii) Using the above tag, write an HTML code that will generate the output in 4(c) above. (08 marks)

(d) Modify the code in 4(c) (ii) to produce a horizontal line at the end of the output. (06 marks)

Question Five

(a) Define the term **hyperlink**. (02 marks)

(b) Distinguish between an **image link** and a **text link**. (04 marks)

(c) The manager of a company wants to create a link "click here to apply" so that when users click on it, they are directed to the job application page located at http://www.jobapplication.com

(i) Mention the name of a tag used to complete the above task. (02 marks)

(ii) Using the tag in 5(c) (i), write an HTML code that will accomplish the task. (06 marks)

(iii) Modify the above code in 5(c) (i) so that when "click here to apply" is clicked it opens in a new window. (06 marks)

Question Six

(a) Distinguish between **colspan** and **rowspan**. (04 marks)

(b) State the meaning of the following tags. (06 marks)

(i) <TH>

(ii) <TD>

(iii) <TR>

(c) Study the HTML code below and provide a corresponding output. (10 marks)

```
<! DOCTYPE html>
<Html>
<Head>
<Title>RESULTS TABLE</title>
</head>
<body>
<TABLE BORDER width="750">
<TR> <TD colspan=4 align="center">CLASS TIME TABLE</TD></TR>
<TR> <TD rowspan="2" width="25 %"> DAY</TD><TD colspan="2">
TIME</TD> <TD rowspan="2" width="25 %"> SUBJECT </TD></TR>
<TR><TD width="25 %"> MONDAY </TD> <TD width="25 %"> 8:00AM
</TD><TD width="25%">ICT </TD></TR>
<TR><TD width="25 %"> TUESDAY </TD> <TD width="25 %"> 10:00AM
</TD><TD width="25%">MATHS</TD></TR>
<TR><TD width="25 %"> WEDNESDAY </TD> <TD COLSPAN =2width="25
%"> FREE </TD> </TD></TR>
</TABLE>
</body>
</html>
```

Question Seven

(a) Distinguish between **HTML elements** and **HTML styles**. (04 marks)

(b) Explain **four** elements of an HTML document. (08 marks)

(c) Describe **four** form controls commonly used in website designing. (08 marks)

END