



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.

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>
- Mention the name of a tag used to complete the above task. (02 marks)
 - Using the tag in 5(c) (i), write an HTML code that will accomplish the task. (06 marks)
 - 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

- Distinguish between **colspan** and **rowspan**. (04 marks)
- State the meaning of the following tags. (06 marks)
 - <TH>
 - <TD>
 - <TR>
- 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