



# UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

## Business and Humanities Certificate Examinations

### MAY-JUNE 2020 SERIES

#### PROGRAMME

NATIONAL CERTIFICATE IN INFORMATION AND COMMUNICATION  
TECHNOLOGY

#### PAPER NAME

BASIC HTML WEB PROGRAMMING

#### PAPER CODE

NCIT121

YEAR I, SEMESTER II

**3 HOURS**

**FRIDAY, 23<sup>RD</sup> APRIL, 2021**

#### 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. Begin each answer 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 following terms as used in web design; (02 marks)
- (i) HTML (02 marks)
  - (ii) Web browser (02 marks)
  - (iii) Web page (02 marks)
- (b) Write the output of the HTML Code segment below.

```
<html>
  <head>
    <title>First Page</title>
  </head>
  <body>
    <p> This is a sample HTML file.</p>
  </body>
</html>
```

- (c) Outline the **structure** of the HTML web page. (02 marks)
- (d) Differentiate between **unordered lists** and **ordered lists**. (04 marks)
- (e) Write the HTML code syntax to;
- (i) Link to **www.foodnetwork.org/food** (02 marks)
  - (ii) Link to an **email address** (02 marks)
  - (iii) Include a picture called **"dog.jpg"** (02 marks)

## SECTION B - (80 MARKS)

Answer only four questions from this section

### Question Two

- (a) Define an **element** as applied in HTML. (02 marks)
- (b) Explain **four** core attributes used by HTML codes. (08 marks)



- (c) Table 1 was displayed on a certain website, write the HTML code to realize the following output. (10 marks)

Item	Quantity
Books	100
Rulers	100

**Table 1**

### Question Three

- (a) Differentiate between `<pre>` tag and `<p>` tag as applied in the HTML code. (04 marks)
- (b) Explain the meaning of following code segments in the HTML page.
- (i) `<a>.....</a>` (02 marks)
  - (ii) `<th>.....</th>` (02 marks)
  - (iii) `<br />` (02 marks)
  - (iv) `<h6>.....</h6>` (02 marks)
- (c) Describe **two** ways in which a background colour can be added to the HTML webpage. (06 marks)
- (d) Explain why `<html>` and `<head>` tags are used in the HTML document structure. (02 marks)

### Question Four

Study the HTML code below and use it to answer the questions that follow;

```
01 <html>
02     <head> <title>HTML caption Tag</head>
03 <body>
04     <h2>Cricketers List</h2>
05     <table width="100%">
06         <caption>Indian Cricketers
07     <th>Name<th>
08         <tr><td>Sachin Tendulkar</td><tr>
09         <tr><td>M S Dhoni</td></tr></table>
```

- (a) The HTML code above contains errors, identify them. (06 marks)
- (b) Rewrite the HTML code correcting all the errors identified. (08 marks)
- (c) Sketch the final output for the HTML code above. (06 marks)

### Question Five

- (a) Define an **attribute** as used in the HTML code. (02 marks)
- (b) The `<img>` tag is used to put an image into the HTML document alongside other attributes.
- (i) Explain **four** attributes that the tag above should have. (08 marks)
- (ii) Identify **three** commonly used file formats for images in HTML. (06 marks)
- (c) Explain **two** ways in which links can be used in the HTML web page. (06 marks)

### Question Six

Using HTML code segments, design the form in figure 1.

(20 marks)

**Lake Victoria High School**

**Registration Form**

First Name:

Last Name:

Check the Subjects offered:

☐ Maths ☐ Physics ☐ English ☐ Biology

☐ Chemistry ☐ Literature ☐ Ent ☐ History

Description:

Enter description here...

**Figure: 1**



### Question Seven

- (a) Define **Meta data**. (02 marks)
- (b) State **four** attributes of a **<meta>** tag. (04 marks)
- (c) Write down the output of the HTML code below. (14 marks)

```
<html>
<head>
<title>Linking External Style Sheets</title>
</head>
<body>
<h1>Shopping List for the Wedding</h1>
  <ol>
    <li>Rice
    <li>Fruits
  <ul>
    <li>Mangos
    <li>Pineapples
    <li>Oranges
  </ul>
    <li>Meat
    <li>Millet
    <li>Posho
  </ol>
  <p><a href="http://www.food.com">Click to shop</a></p>
</body>
</html>
```

**END**